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1893

Novelties

In

SEEDS, PLANTS

and

BULBS

Introduced by

PITCHER & MANDA

Proprietors of

United States Nurseries

EUROPEAN BRANCH:
Hextable, Kent, England

SHORT HILLS, N. J.

Terms on Which We Do Business.

All correspondence pertaining to the business should be addressed to the firm and not to any of the employees.

Our patrons are requested to remit by Checks, Express, or Post-Office Money-Orders on the New-York Post-Office, or by Money in Registered Letters. Stamps are taken for small amounts. We will not be responsible for money sent in unregistered letters.

Postage and Express Charges.—All seeds offered by the packet or ounce are sent post-paid at the catalogued prices. Larger quantities, except in the few cases noted, are sent by express at the customer's expense, unless postage at the rate of 8 cents per pound is included in the remittance. Peas and Beans cost 15 cents per quart, and Corn 10 cents per quart for postage. We recommend our customers to have their plants sent by express, as in that case we can send larger plants, and they arrive in better condition. For far-distant points, however, except in case of bulky plants, we can send mailing-size plants at the prices quoted. All Tools and Miscellaneous Requisites are shipped at purchaser's expense for freight or express.

No charges are made for boxes, packing, or delivery to the railroad-station or express-office. All goods are carefully packed, and may be sent to any part of the globe. *We guarantee the safe arrival of everything sent by express, but will not be responsible for goods sent by freight.*

Orders are solicited at as early a date as possible, that we may have ample time for their execution. Please write name, post-office, express-office, etc., plainly, and give any other information as to the best method of forwarding.

Complaints, if any, should be made directly on receipt of goods. We promise prompt and just treatment of all claims presented.

Head-Gardeners and Assistants.—We have on our register the names of several practical and trusty men for the above-named positions, and will be happy to recommend them to any lady or gentlemen requiring their services at any time. Address all orders, communications and remittances to

PITCHER & MANDA,
Short Hills, New Jersey.

NOVELTIES

IN

Seeds, Plants and Bulbs

Introduced for 1893 by

Pitcher & Manda.

NOT ONLY the trained gardener, but the amateur as well, has doubtless long since observed the misapplication of this title "Novelties" by concerns publishing large editions of gorgeous catalogues, and claiming to present under this heading flowers, plants and vegetables recently discovered or originated, which are brought into notice by impossible drawings and glowing descriptions, seemingly with but one object—that of selling! To a very great extent this bad practice has lessened the credibility and due appreciation of the gardening public for any really new and desirable article brought before their notice by modest and true representations, many of these so-called and highly lauded novelties having turned out, after testing, to be either complete delusions or mere resurrections of some old and forgotten types, that never had sufficient individuality or merit to deserve continued prominence.

Although our establishment is not one of the oldest, yet we are recognized as leading originators and disseminators in a proper manner of really valuable new and distinct plants, which have come promptly to the front and received acknowledgment and wide distribution as the best of their respective classes. In the following pages the majority of plants offered are of our raising or introduction, while others we have selected from the descriptions of other reliable growers, with confidence that they are just what they are represented to be.

A catalogue of new and rare plants, seeds and bulbs does not necessarily cover only introductions which are thus presented for the first time, but many which, though exhibited and brought before the public before, were not in sufficient quantity to give the gardening public an opportunity to possess them. While we include some such articles, the majority of our productions are now offered to the public for the first time. The prices for these plants, seeds and bulbs have been put down as low as possible, in order that they may be within reach of every flower lover.

The attention of those who receive only this Novelty Catalogue is directed to our complete General Catalogue, a magnificent volume of 248 pages, illustrated with over 100 photo-process reproductions from photographs (taken by our own artist) of the actual stock we sell. This Catalogue, the most elaborate and expensive issued in America, is sent to any address on receipt of 25 cents, which amount is returned in goods as per the offer on order-sheet in Novelty Catalogue.

In our General Catalogue will be found a long list of the most valuable and useful plants, seeds and bulbs, at popular prices, with accurate descriptions and illustrations; but it is not possible in the Novelty portion, nor even in the great General Catalogue, to publish descriptions of one-fourth of the stock we carry, the great extent and variety of which can only be appreciated by a personal visit to our Nurseries.

Seeds offered in this Catalogue will be ready for delivery after January 1st; Plants March 1st, 1893.

JAMES R. PITCHER.
W. ALBERT MANDA

PITCHER & MANDA,
SHORT HILLS, NEW JERSEY.

New Chrysanthemums.

Last spring we distributed several sets of New Chrysanthemums, which found great favor among the public, and many of the varieties made their appearance in the fall as prize-winners at the different shows throughout the country.

This year again we are glad to have to offer the following sets of New Chrysanthemums, which have been tried for two years, and which were the admiration of the 12,000 visitors who came to see our Chrysanthemum Exhibition at Short Hills. We have this year received in this country and Europe more first prizes, cups, medals and certificates than any other Chrysanthemum growers, either in this country or Europe, which confirms the superiority of our stock.

Incurved Chrysanthemums.

The incurved varieties are considered the choicest of all the Chrysanthemums. Good flowers should be perfectly globular in form, with regularly arranged broad and smooth petals, round at the tip; the color should be clear and decided. The varieties we offer are all of our own raising, and include some exceptionally fine flowers.

Ready for distribution March 1, 1893.

Mrs. F. L. Ames. (No. 9.) One of the grandest of yellow Chrysanthemums. Flowers very large, of the richest golden yellow, of great substance and lasting qualities; plant of strong and vigorous habit, with fine foliage, and late flowering. Winner of the first premium as *the best Yellow Chrysanthemum* at Madison Square Garden (New York); also, first prize in Boston in its class, first class certificate of merit, and first class certificate at Toronto this season. (See plate, page iii.)

Mrs. Walter Cutting. (No. 17.) A grand flower, of a beautiful pearly white, suffused with blush-pink at the tips of the petals; perfectly incurved, with strong, stout stems; of vigorous habit, with graceful foliage. (See plate, page vii.)

Mrs. Henry Graves. (No. 78.) Large, full, double flowers, of a fine shade of peach-pink, beautifully incurved. The most distinct color in chrysanthemums, and sure to become very popular; a grand acquisition.

Mrs. Leslie Ward. (No. 401.) Flowers large, full and double, slightly hairy; of a beautiful shade of buff, shaded with pink, tips of petals pale yellow; a grand, telling flower; very fine habit. Awarded special premium at Madison Square Garden, New York, this season.

George Vair. (No. 90.) Flowers large, massive, full and double; inner petals bright cinnamon color, reverse of petals buff. A good variety for cut-flower exhibition.

Miss Bessie Cumming. (No. 149.) Very handsome pure white flowers, with incurved petals; of good habit, and very early flowering.

Mrs. William Clark. (No. 459.) Flowers large and double, of the purest white, the broad incurved petals are slightly hairy; a late-flowering variety.

Percy W. Burling. (No. 64.) Flowers a beautiful pure white; petals broad, incurved, and of great substance; good habit.

Marjorie Squier. (No. 77.) Large, full, double flowers of a lovely shade of pale or tender pink; petals broad, incurved; plant of vigorous habit with fine foliage.

Mr. Joseph Clarke. (No. 115.) Fine, large flowers of a deep golden yellow; full and double; outside petals tubular; strong stems, vigorous growth.

Burnham Squier. (No. 5.) Flowers large, rich golden yellow, full and double; petals broad, incurved; good for specimen plants.

Mrs. Denne. (No. 46.) Large, handsome flowers; petals broad, incurved; inside petals lake, rose tinted; reverse silvery pink.

Price \$1 each; the set of 12 for \$10.

CHRYSANTHEMUM "MRS. F. L. AMES." (See opposite page.)

CHRYSANTHEMUM "MRS BAYARD CUTTING." (See opposite page.)

Reflexed Chrysanthemums.

In the reflexed section the petals overlap each other, and only the face is seen. This class embraces some of the finest dark shades, and many of the flowers are very brilliant. Those named below are all our own raising, and some have taken special premiums this season at Madison Square Garden, New York, Boston, etc.

Ready for distribution March 1st, 1893.

Mrs. Bayard Cutting. (No. 131.) A grand, massive flower of great substance; inside of petals a deep rose, outside of petals silvery pink; of vigorous habit. *Special premium at Madison Square Garden, New York.* One of the grandest varieties in cultivation. (See plate, page iv.)

Miss M. L. Baldwin. (No. 133.) Flowers very double, pure white, suffused with a beautiful shade of satiny pink; vigorous habit.

Mr. W. C. Van Horne. (No. 23.) Flowers large, full and double; petals tubular and reflexed, deep buff tint, shaded carmine; very early, and grand for exhibition. (See plate, page viii.)

Mrs. W. P. Henszey. (No. 116.) Very dark crimson, reverse of petals old-gold; of good substance, with stiff stems; late-flowering, and fine for specimens; one of the finest of dark Chrysanthemums. (See plate, page xi.)

Louis Menand. (No. 56.) Fine, double flowers; petals deep madder-brown, shaded lake, tipped with gold. Elegant foliage, dwarf habit; very free-flowering.

Miss Madge Clark. (No. 51.) Handsome flowers of a beautiful shade of rose, changing to pale mauve; very large, full and double, of vigorous constitution.

Whitestone. (No. 174.) Flowers pure white, very deep, with rounded petals; stiff stems, good dwarf habit, late-flowering; fine for pot culture.

White Tresses. (No. 183.) Bold, massive, high flower of pure white, with long twisted petals, full and double; stiff stems.

Mr. A. Schœninger. (No. 96.) Flowers large, full and double; color a fine shade of orange-yellow; good exhibition variety.

Sweet Lilac. (No. 69.) Large flowers, of a fine shade of rosy lilac, mottled white; full and double; true Japanese type; fine for specimen plants.

W. J. Palmer. (No. 101.) Large, full and double flowers of a bright buff-yellow color; petals reflexed, of the full Japanese type; fine exhibition variety.

Mr. Ed. G. Uihlein. (No. 156.) Flowers bold and massive; white, changing to lilac, marbled and veined with light purple; full and double; vigorous habit.

Price, \$1 each; the set of 12 for \$10.

Early Chrysanthemums.

We have great pleasure in introducing this EARLY SECTION; all of them are large flowering varieties, raised by ourselves. They are of great merit, and can be grown into full flower in October, thus enhancing the utility of this popular and favorite flower as an EARLY autumn bloomer.

Ready for distribution March 1, 1893.

John White. (No. 294.) One of the earliest large-flowering Chrysanthemums; flowers full and double, very fine pearly white; on the style of Rohallion.

Lady Florence. (No. 31.) Flowers large and of good substance, fine rich yellow; very early, fine grower, vigorous habit; suitable for training in any shape or form.

La France. (No. 54.) Flowers full and double, of a beautiful shade of pink; one of the earliest Chrysanthemums in cultivation.

Mrs. J. T. Anthony. (No. 40.) A very early variety, flowering in October; Japanese reflexed; large, full flowers of a fine dark pink, changing to blush white.

Mrs. Katherine Belle Lewis. (No. 114.) Flowers a beautiful canary yellow, with long petals; a fine Japanese variety for specimen plants.

Mr. James T. Closson. (No. 67.) Beautiful, large, incurved flowers of a fine, lemon-yellow; very early and of good substance.

Price, \$1 each; the set of 6 for \$5.

“Hairy” Chrysanthemums.

Probably no class of Chrysanthemums has produced such a sensation as the Hairy type. They lead in popular favor, and justly so. The beautiful, large flowers have a fine, downy appearance, which is produced by the glandular hairs which cover the petals. The following are our own production:

Ready for distribution March 1, 1893.

Mrs. William Trelease. (No. 404.) Flowers large and full, of a beautiful shade of pink, with fine double center. One of the finest of the hairy type. (See plate, page xii.)

Blushing Maid. (No. 429.) Beautiful, incurved petals of creamy white, shading to tender rose; stiff stem, good habit.

Lemon Peel. (No. 450.) Lemon-yellow, striped red, incurved petals; very free.

Garteninspector Umlauf. (No. 440.) Quite a new shade in this type; flowers chamois, tinged with pink; good, clean habit, stiff stem.

Bashful Youth. (No. 438.) Flowers a beautiful shade of blush white; petals broad, incurved; stiff stem, vigorous habit.

Modest Bride. (No. 413.) A very attractive variety; flowers creamy white, shaded with satiny pink; full and double; of good habit.

Miss Ellen Robbins. (No. 442.) Large, pure white flowers, with long, very hairy petals, showing the center, which greatly enhances the beauty of the flower.

Malayan Beauty. (No. 420.) Flowers a lovely shade of pale canary yellow; full and double; of vigorous habit; a good variety for cut specimens.

Country Lassie. (No. 448.) Flowers rich, bright pink, large, full and double, incurved; a grand flower; free grower; good for specimens.

Naivete. (No. 439.) Fine flower of a beautiful salmon-pink, with buff center; very hairy; stiff stem, vigorous grower.

Old Lady. (No. 412.) Large, pure white flowers; petals incurved, very hairy.

Gertie. (No. 434.) Flowers pale primrose-yellow, petals incurved; quite a novelty in this type; stiff stem, good for cutting purposes.

Price, 75 cents each; the set of 12 for \$7.50.

Single-flowered Chrysanthemums.

Single-flowering Chrysanthemums are not well known and grown enough to be thoroughly appreciated. They are very free-flowering, and some varieties are especially useful for training into different shapes, such as fans, standards, etc. This class embraces quite a variety of color. These enumerated are our own production, and a few should be in every collection.

Ready for distribution March 1, 1893.

Albany. (No. 211.) Flowers a very rich, deep royal purple, with long petals.

Batavia. (No. 249.) Beautiful long petals; the base pure white, changing later to a beautiful shade of rosy lilac.

Elmira. (No. 231.) Large flowers, with extra long petals of a deep magenta pink; small center; vigorous habit.

Herkimer. (No. 269.) Good flowers of a pretty shade of rosy pink.

Hudson. (No. 226.) Flowers pure white, of medium size; vigorous, very free.

Kingston. (No. 192.) Pale primrose, approaching lemon; long petals, good habit.

Newburgh. (No. 244.) Petals semi-tubular; rosy lilac, striped white; very showy.

Oswego. (No. 236.) Flowers deep carmine, changing to purple, with fine high yellow center; very effective.

Syracuse. (No. 210.) Fine, large flowers, shaded with rosy pink; long petals.

Troy. (No. 221.) Flowers lemon-yellow, shaded carmine-red.

Utica. (No. 186.) Fine, long petals, of a deep primrose color; very handsome; strong and vigorous habit.

Watertown. (No. 215.) A beautiful shade of tender rose, changing to a deep pink.

Price, 50 cents each; the set of 12 for \$5.

CHRYSANthemum "MRS. WALTER CUTTING." (See page ii.)

CHRYSANTHEMUM "MR. W. C. VAN HORNE." (See page v.)

Our Japanese Importation of Chrysanthemums.

In this class there is, perhaps, more diversity and richness of color than is found in any other, while some of the flowers are very varied and irregular in shape, being much admired for their peculiarity and beauty. The varieties enumerated in this section have been imported by us direct from Japan, and are very fine.

Ready for distribution March 1, 1893.

Andes. Flowers of a beautiful shade of bronze-yellow; petals reflexed, slightly twisted; a fine late variety.

Cochineal. Enormous flowers; inner petals bright claret, reverse a light wine color; incurved; a strong and vigorous grower.

Dr. Julius Cullendrear. Extra-large flowers, perfectly double, of a very pale primrose-yellow, with incurved petals; stiff stem, vigorous growth.

Golden Gate. Large, broad, reflexed petals, of bright canary yellow; very showy.

Harvest Moon. Large flowers, full and double, of a beautiful pale lemon, with reflexed petals; strong stems, good habit.

Imperial Castle. Very large, full, double flowers, of a lovely pure white; petals incurved; very early, and fine for exhibition purposes.

Imperial Favorite. Fine, bold flowers, of a deep golden-yellow; petals large, broad, incurved.

King of the Ostrich-Plumes. Fine, full, double flowers, with lacinated petals of a beautiful deep, golden-yellow; quite a novelty in Chrysanthemums.

Mamie Sievers. Large, very handsome flowers of a lovely pale canary-yellow color; upper petals reflexed, under petals incurved; very showy.

Master of the Garden. Flowers large, pinkish white with buff center, incurved, broad petals; stiff stem, vigorous habit, late flowering.

Princess of Chrysanthemums. Creamy white, incurved; immense flowers, full and double, with twisted petals; strong foliage, vigorous habit.

Prosperity. Flowers primrose-yellow, large, full and double: petals incurved.

Price, 75 cents; the set of 12 for \$7.50.

Anemone-flowered Chrysanthemums.

This class has not the massive style of some of the Japanese type, but for graceful, distinct and delicate appearance cannot be excelled. All of these varieties have been raised by ourselves, and will be found worthy of cultivation.

Ready for distribution March 1, 1893.

Albatross. (No. 27.) Flowers pure white, full, with large center; good show sort.

Canary. (No. 88.) Fine flowers, with lemon petals, deep canary yellow center.

Cockatoo. (No. 14.) Flowers of good substance, with broad petals and white florets; pale yellow center.

Nightingale. (No. 26.) A beautiful shade of blush pink, with small center and long, broad petals.

Penguin. (No. 3.) Japanese Anemone; flowers creamy white, yellow center; a good exhibition variety.

San Joaquin. Very large flowers, with tubular petals of pure white, slightly tinged with yellow in the center.

Price, 75 cts. each; the set of 6 for \$3.50.

SPECIAL OFFER.—The entire collection of seven sets for \$38.

Novelties of Other Raisers.

We handle all the new sets sent out by other firms, and can supply the same in fine plants at their advertised prices.

New Plants for Outdoor Culture

Datura Cornucopia.

"HORN OF PLENTY." (See Colored Plate.)

In the wilds of South America, the past year, one of our old and experienced collectors of Orchids came upon a floral gem which, while out of his usual line, impressed him so much with its beauty, magnificence and striking appearance, that he secured all the obtainable stock and sent it to us for introduction in this country. The singular form, gigantic size, striking colors, and pleasant odor of the flower make this novelty most conspicuous. We have grown it at our nurseries during the past summer, where it has been seen by many of the leading seedsmen and florists of this country and Europe, and considered the most desirable novelty of 1892-93.

The plant is of a very robust habit. The stem is thick, dark brown-purple, shining as if varnished. The branches are very numerous, spreading symmetrically three or four feet in every direction. The leaves are large, of a dark green color.

The flowers are trumpet-shaped, measuring eight to ten inches in length and five to seven inches across the mouth, and form three distinct flowers growing each within the other, the throat and mouth of corolla a most delicate French white, beautifully contrasted and marbled with royal purple on the outside. They are produced in great abundance, a single plant giving easily from 200 to 300 fragrant blooms during the season, followed by a large thorny seed-vessel, which adds to the beauty of the plant.

This novelty is of the easiest culture, requiring to be planted at the end of May, in a warm, rich soil. It can be cultivated as an isolated specimen, in masses, for centers of beds, or to fill barren places. In either case it produces a striking effect.

Plants, in three-inch pots, will be ready for distribution after March 1. Single plants, 35 cts.; three plants, \$1.

New Carnations for 1893.

Blanche. A white variety of great merit; calyx strong, non-bursting. Flowers medium to large, pure white, deeply fringed; extremely free blooming.

Dr. Smart. Flowers medium to large, and grow mostly one on a strong 12 to 15-inch stem; of a peculiar pinkish cream color, striped with crimson; calyx strong, never bursting.

Grace Battles. In color this is the ideal pink, delicate yet striking, and a very free bloomer. The petals are large and of great substance. The flowers are borne on stout, erect stems, and are full, yet not full enough to burst the calyx. Was awarded Silver Medal by the Pennsylvania Horticultural Society, November 10, 1891.

Madame Diaz Alberteni. Flowers very large, center round and full; a delicate flesh pink, with a very strong clove fragrance; strong stem, good keeper.

Mrs. Elizabeth Reynolds. Large flowers with broad petals, of a bright, clear pink, slightly clove-scented. A strong and vigorous grower, and has excellent keeping qualities.

Purdue. The flower is large and globular, of a rather deep pink—exceedingly brilliant by gas-light; stem very strong; a good keeper, and requires staking.

Richmond. A very strong and vigorous grower with very heavy foliage. The flowers, which are over three inches in diameter, are finely fringed and of a brilliant carmine color; the calyx is strong, and never bursts; a great acquisition.

Spartan. This variety is a splendid grower, rather dwarf. Flowers very large and full; of a deep carmine, shaded with scarlet, very brilliant; stem strong; foliage grassy.

Wabash. Flower medium to large, of symmetrical build, never bursting, and of a brilliant deep crimson, finely fringed; very free bloomer.

Western Pride. Very free bloomer; stem strong and somewhat branching. Flower medium to large, of fine form; white, striped bright scarlet; calyx strong, never bursting.

Wm. Scott. This is, in style of growth, between the tall-growing Richmond and the more dwarf Spartan. Flowers large and non-bursting; of a deep Grace Wilder pink; a little irregular in shape, but not to any disadvantage; stems long; good keeper.

Price, 25 cts. each; \$2.50 per dozen.

For standard varieties, see our General Catalogue.

CHRYSANTHEMUM "MRS. WM. P. HENSZEY." (See page v.)

CHRYSANTHEMUM "MRS. WM. TRELEASE." (See page vi.)

Novelties in Bulbs.

New Double Begonia, "Chrysanthemiflora."

In this entirely new variety we introduce quite a novel feature in Begonias. The flowers, which are medium in size, though larger than *B. Grand Alexandre*, have long, straight petals like a Japanese Chrysanthemum, which are of a lovely shade of soft, tender rose color. The plant, which is of vigorous habit, grows about one foot high, and has long foliage. Altogether, it is quite a new type in this class, and will undoubtedly tend to the development of yet more pleasing results. Price for large, dry bulbs, \$1.50 each.

New Double Begonia, "Petit Henri."

This charming variety, which we now offer for the first time, will be found to be one of the greatest acquisitions of recent introduction among Begonias. The flowers are of a very showy and peculiar shade of orange-brick in color, and very double, whilst the habit of the plant, being very dwarf and compact, makes it exceedingly effective and brilliant in beds and borders. Price for large dry bulbs, \$1.50 each.

Fine New Cannas.

Alphonse Bouvier. Flowers rich scarlet vermilion, on tall spikes; leaves green; of vigorous habit, height $3\frac{1}{2}$ feet. One of the very best. \$1 each.

Captain P. Suzzoni. Very large flowers of light yellow, dotted with chestnut; handsome light green foliage; height, 4 feet. \$1 each.

Nellie Bowden. A grand novelty. Flowers pure bright yellow, without spots, having, however, a touch of red in the throat. Very free bloomer, producing flowers in immense trusses; foliage a rich green; height, 3 feet. \$1 each.

Paul Marquant. A fine new Canna of vigorous habit, growing about two feet high; the flowers are salmon, changing to rosy carmine; the foliage is beautiful bright green; a great acquisition. \$1 each.

For all other varieties of Cannas, see Bulb portion of General Catalogue.

Dwarf Calla-Lily, "The Gem."

(*Richardia nana*.)

This is a novelty of great merit, which we can highly recommend, having given it a very fair trial with the ordinary variety known as the Calla lily. The flowers are somewhat smaller than the ordinary variety, and it is in every way its superior for a pot-plant. It is very prolific in flowering, throwing four to five blooms from one medium-sized bulb, and seldom grows higher than one and a half feet. 50 cents each, \$5 per dozen.

Tigridia grandiflora rosea.

(*Large-flowered Peacock-Flower, or Mexican Shell-Flower.*)

A large cultivator in Europe of this showy summer-flowering bulb called our attention to this new and improved variety. We feel certain it will become a standard sort, and take the place of all others when better known. The flowers are four to five inches across, of a beautiful lilac shading, spotted with deeper rose. They grow in great profusion, blooming all summer, and form a most attractive plant from their oddity as well as their loveliness. The variety known as *Grandiflora alba* makes a very pleasing contrast when used with this new sort. Dry bulbs, 50 cents each, \$5 per dozen.

For other Bulbs for spring planting, see Bulb portion of General Catalogue, and for fall planting see our Special Bulb Catalogue.

New Hardy Plants.

Heliopsis Pitcherianus.

(PITCHER & MANDA.)

This is a new plant, and one that has no equal among all the hardy herbaceous plants. It is perfectly hardy, grows 2 to 3 feet in height, and spreads out 3 to 4 feet. It is a perpetual bloomer, flowering the whole summer. The flowers are about two inches in diameter, of a beautiful, deep golden-yellow color and very thick texture; they are very useful for cutting, keeping fresh for a long time, on which account it is a far superior plant to *Coreopsis lanceolata*. No collection of hardy plants should be without this variety. Price, 35 cts. each, \$3.50 per dozen. (See plate, page xv.)

Helianthus mollis grandiflorus.

(PITCHER & MANDA.)

This is one of the finest of the Sunflower family. It grows only four feet in height, and produces in the early fall, large well-shaped, bright yellow flowers. The plant is perfectly hardy, of free growth, and a grand addition to hardy herbaceous plants. Price, 35 cts. each, \$3.50 per dozen.

Helianthus hybridus.

(PITCHER & MANDA.)

This is a natural hybrid between *Helianthus mollis grandiflorus* and probably *Helianthus doronicoides*. It grows a foot to 18 inches taller than *H. mollis*, while the flowers are of a slightly deeper color, and have the same form and quality as the former. Price, 35 cts. each, \$3.50 per dozen.

Iris Germanica "Rohallion."

(PITCHER & MANDA.)

This is the richest colored variety of the many types of the popular German Iris. It grows only 15 to 18 inches in height; the flowers are large, the erect petals or standards being of rich yellow, while the lower drooping petals or falls are of the richest brown-red, veined yellow towards the center. Price, 35 cts. each, \$3.50 per dozen.

Yucca filamentosa variegata.

Everybody who is acquainted with *Yucca filamentosa* knows its desirability as a hardy flowering plant. This new introduction is much more valuable, having leaves beautifully margined with white, thus giving the plant a fine appearance; perfectly hardy. Price, \$1.50 each.

New Rose, "American Belle."

(JOHN BURTON.)

This grand acquisition is a pink colored sport from "American Beauty;" it has the same good qualities as the type, and on that account should be in every garden. Plants ready after April 1, 1893. Price of plants from 2½-inch pots, \$1.50 each.

For our extensive collection of Hardy Plants, see our General Catalogue.

Helioopsis pucheraniana (Pitcher & Manda). (See opposite page.)

CATTEYA GRAVESIANA. (Pitcher & Manda). (See opposite page.)

New Orchids.

Cattleya Gravesiana.

(PITCHER & MANDA.)

Flower very large—nine inches or more in diameter—well proportioned; sepals and petals of a deep rosy color; lip broad, fringed, flat; lower portion a soft rose, with deep purple veins; the upper part of the expanded lip has two large blotches of a rich orange-yellow color, which continues right through the throat, giving the flower a most unique appearance, which, judging by the bulb, growth and flower, suggests an intermediate form between *Cattleya speciosissima* and *C. Mossiae*. Price on application. (See plate on p. xvi.)

Cymbidium Lowii Mandaianum.

(PITCHER & MANDA.)

This distinct variety of *C. Lowii* has the flower of the same size and shape as the type, with the exception of the lip, which is yellow, with a white blotch on the inside. Price on application.

Cypripedium Amesianum atratum.

(PITCHER & MANDA.)

Differs from the type by its short and broad leaves; also in the flower, which is very large; the lower part of the dorsal sepal is very dark brown, the petals very broad, much spotted at the base, and a dark brown line through the middle; lip large, heavily veined with dark brown. Price, \$20 each.

Cypripedium Amesianum grandiflorum.

(PITCHER & MANDA.)

This great improvement over the type was raised by crossing *C. villosum giganteum* with the pollen of *C. venustum*. It differs from the type by its large dorsal sepal, larger petals and lip. The growth also differs, being large, with shorter and broader leaves. Price, \$25 each.

Cypripedium Brownii.

(*C. leucorrhodum* × *C. magniflorum*.) (PITCHER & MANDA.)

The growth and leaves are similar to *C. leucorrhodum*, but the flower nearly one-third larger than that variety in all its parts. The dorsal sepal is incurving, white, shaded with rose, and with a green blotch at the base; lower sepal very large, nearly pure white; petals broad and flat, with bright, rosy ends; lip large, roundish, rosy purple, with a green cast. Price on application.

Cypripedium Edwardii.

(*C. Veitchii* × *C. Fairieanum*.)

Leaves about 5 inches long and one and one-half broad; deep green, faintly tessellated and glossy; dorsal sepal two inches long, white, tinted with green at the base, and vinous purple near the margin; petals 2½ inches long, undulated as in *C. Fairieanum*, margined with black hair; the border is vinous purple; lip long, narrow, pale green, with brighter reticulations, dotted at the base and on inside with vinous purple, shaded with brown on the front; staminode large, netted with bright green. Price on application.

Cypripedium Godefroyæ leucochilum.

This distinct variety differs from the type by its lip, which is pure white; the dorsal sepal and petals are also much more spotted than in the type. Price, \$10 each.

Cypripedium Greyanum.

(*C. Druryi* × *C. Ciliolare*.) (PITCHER & MANDA.)

This beautiful and distinct hybrid was obtained by crossing *C. Druryi* with the pollen of *C. ciliolare*. Leaves rather short, thick, dark green, tessellated with a darker green; flower large, well proportioned; dorsal sepal pointed at the top; ground color pale yellow, tinged with green, with a broad, dark, vinous purple line through the middle, and delicately shaded with a similar color. Petals broad, prominently marked with a broad stripe of reddish purple through the middle, and thickly spotted at the base. Lip large, of a yellowish green cast, shaded with light brown and finely dotted in the upper portion. Price on application.

Cypripedium insigne Barri.

(PITCHER & MANDA.)

The flower is the shape and size of *C. insigne Nilsoni*, with white margin and a few brown purple spots at the top; the other part of the dorsal sepal is thickly covered with small dark brown spots running in regular and irregular lines. The petals and lip are yellowish green, shaded with dark brown. Price \$20 each.

Cypripedium insigne Boiesianum.

(PITCHER & MANDA.)

The flower is the shape and size of *C. insigne Maulei*, the dorsal sepal being spotted all over, save the white margin, with dark brown spots in irregular lines. Petals and lip greenish yellow, shaded with brown. Price, \$25 each.

Cypripedium insigne Gravesianum.

(PITCHER & MANDA.)

Distinguishes itself from the type by its much stronger growth and large flower on a tall stem. The flower is the shape of *C. insigne maximum*, with a broad white margin around the dorsal sepal, on which are large brown spots, running upwards in regular lines, and a bunch of smaller ones on the sides of the lower part of the dorsal sepal. Price, \$25 each.

Cypripedium insigne Krauseanum.

(PITCHER & MANDA.)

Flower shape and size of *C. insigne Maulei*, with a broad white margin in the dorsal sepal; the lower part is brown, covered with faint brown spots, running in lines; sepal and lip yellowish green, shaded brown. Price, \$20 each.

Cypripedium insigne McFaddenii.

(PITCHER & MANDA.)

A very distinct type of *C. insigne*, much resembling *C. insigne Amesianum*, having a broad dorsal sepal with wide margin; the lower part is beautifully shaded and covered with minute brown spots running in regular lines; petals and lip yellowish green, slightly shaded with brown. Price on application.

Cypripedium insigne Robinsonianum.

(PITCHER & MANDA.)

A very distinct type of *C. insigne*, having flowers the shape and size of *C. insigne Maulei*. The dorsal sepal has a shade of pink on the boundary of the white margin and the spotted portion, which is very distinct. Price, \$25 each.

Cypripedium insigne Savageanum.

(PITCHER & MANDA.)

The flower is the shape of *C. insigne Chantinii*, but much larger, having a broad white margin in the dorsal sepal, which is thickly spotted with large brown spots; petals and lip green, shaded with brown. Price, \$25 each.

Cypripedium insigne Wrightianum.

(PITCHER & MANDA.)

A distinct variety, having stronger growth, and the large, bold flower which is characteristic of the *C. insigne Coulsonii* type. The dorsal sepal is very large and long, having a broad, white margin; the lower part is covered with large brown spots, running in irregular lines; petals broad, standing out; yellowish green, shaded with brown; lip large, green, shaded brown. Price, \$20 each.

Cypripedium Josephianum.

(*C. Druryi* × *C. Javanico-superbiens*.) (PITCHER & MANDA.)

Leaves long, thick, green, with darker green tessellation; flower large, well-proportioned; dorsal sepal ovate, incurved, traversed with bright green veins on a white ground, save the middle, which is marked with a broad band of vinous purple; lower sepal much smaller, white, with green veins. Petals outstretched, beautifully veined with green on the white ground, except a purplish line through the middle; lip rather narrow, rounded, pointed upwards; yellowish green, shaded and spotted with purple towards the opening; staminate slightly horseshoe shaped, whitish with dark green veins through the center. Price on application.

Cypripedium Leeanum incurvum.

(PITCHER & MANDA.)

A very distinct type of *C. Leeanum*; distinguishes itself by its dorsal sepal, which is very much spotted and incurved, instead of recurved, at the lower part. Lip is also distinct from the type, being pink, slightly shaded with brown. Petals same as the type. Price on application.

Cypripedium luridum.

(*C. Lawrenceanum* × *C. Villosum superbum*.) (PITCHER & MANDA.)

Leaves large, broad, yellowish green, beautifully tessellated with a darker green; stem 10 to 12 inches high, dark brown. Flower very large and bold; the dorsal sepal large, recurved, yellowish green, veined with brown; lower sepal large, yellowish green; petals and lip very large, green, shaded with brown. Price, \$20 and upwards.

Cypripedium pellucidum.

(*C. insigne Maulei* × *C. Dayanum*.) (PITCHER & MANDA.)

Growth very compact; leaves greenish yellow, tessellated with brown; flower medium size, well-proportioned; sepals and petals of a yellowish green, lined and tinged with brown; the dorsal sepal has three or four rows of very small brown spots, running in irregular lines. Price, \$20 each.

Cypripedium Niobe Shorthillense.

(PITCHER & MANDA.)

Differs from the type by its shorter and broader growth and larger flower; the green in the dorsal sepal comes nearly half way up, and the purple line is also more pronounced; lip yellowish green, shaded with dark brown. Price on application.

Cypripedium radiosum Shorthillense.

(PITCHER & MANDA.)

A very distinct variety; differs from the type by its much larger growth and flower; the dorsal sepal is broad, having the vinous purple more pronounced; lip is very dark brown. The leaves have a silvery appearance, derived from the silvery leaved *C. Lawrenceanum*, one of its parents. Price on application.

Cypripedium Vernixium atratum.

(PITCHER & MANDA.)

This very distinct variety differs from the type by its shorter and broader leaves, longer stem and larger flower; the dorsal sepal is mottled and lined with brown-purple; petals also spotted all over with the same color; lip same as the type. Price, \$25 each.

Cypripedium Venusto=Spicerianum.

(*C. Venustum* × *C. Spicerianum*.)

Growth compact; leaves of dark brown color, purplish brown underneath; stem 6 to 8 inches high; dorsal sepal white at the top, yellowish green at the base, through which lines of minute spots run upwards; petals greenish, spotted all over with small purple dots, and purplish lines running through the middle; lip of a same color, shaded slightly with brown. Price, \$15 each.

Lælia purpurata Mandaiana.

(PITCHER & MANDA.)

This beautiful variety is very distinct, both in the growth and flower. The bulbs are yellowish green, upright; leaves rather narrow, pointed; the flower is much larger than the ordinary type, the sepals and petals broad, pure white; lip large and broad, pure white, with a few fine streaks of pale lilac through the middle. Only one plant; size and price on application.

Mormodes pardinum unicolor.

Differs from the type by its much larger growth; also in the flower-spike, which is over two feet long. The flowers are of a deep lemon-yellow color, and as many as 30 flowers are produced on a single stem. Price, \$10 and \$15 each.

Odontoglossum Kramerii album.

This beautiful novelty has the flower as large as the type, of a beautiful snow white color, save the yellow crest in the middle; much freer bloomer than the type. Price on application.

For cheap Orchids, see our *General Catalogue* or our *Special Price List of Orchids and Cypripediums*.

Novelties in Stove and Greenhouse Plants.

Adiantum cuneatum variegatum.

(PITCHER & MANDA.)

Everybody can appreciate the beauty and grace of the common Maiden-hair Fern; add to that the beautiful variegation which distinguishes this new candidate for popular favor, and note that it includes the same qualities as the green form as regards graceful habit, free growth, and everything, and we think no collection of plants, however small, can afford to be without it. The constancy of the variegation gives it not only a beautiful, but a unique appearance amongst all Ferns in cultivation, and makes it one of the most valuable introductions of recent years. Price, 2-inch pots, \$1 each; 3-inch pots, \$1.50 each; 4-inch pots, \$2 each. (See plate.)

Allamanda Williamsii.

The Allamandas are all beautiful, and this grand addition, of garden origin, forms a fine bush, covered with large, light yellow flowers. It is one of the finest flowering pot-plants for stove and greenhouse. Price, \$3 each.

Alocasia Lasalliana.

This is one of the finest aroids in cultivation, growing 6 to 10 feet in height. The upright-growing leaves, which are on long foot-stalks, are dark, shining green, with deep incisions, similar to *A. Sanderiana*, while the much lighter colored midribs stand out prominently. Altogether, it is one of the most ornamental stove plants of recent introduction. Price, \$25 ea.

Anthurium Reynoldianum pallidum.

(PITCHER & MANDA.)

This beautiful variety of *A. Reynoldianum* produces a spathe of flowers of a soft pink or nearly white color. It is a superb addition to this useful class of decorative Anthuriums. Price, \$5 each.

Asparagus Pitcherianus.

(PITCHER & MANDA.)

This grand addition to this useful class of plants was imported by us from Natal, amongst *A. plumosus nanus*. Both in manner of growth, and also foliage, it is intermediate between *A. tenuissimus* and *A. plumosus*. The foliage is of much harder texture than any of the above, and of a beautiful green, while it is one of the freest growing coolhouse plants. Only a few plants, at \$2.50 each.

Begonia Rex, President Carnot.

This is undoubtedly the finest of the light colored Rex Begonias. The leaves are very large, rounded and massive, silvery white all over, with the exception of a few irregular, dark green blotches; a very free grower. Price, \$1 each.

Begonia Rex, "Surprise."

(PITCHER & MANDA.)

This is a beautiful sport of Begonia Lucie Closson; the leaves are the same size and shape as the above variety, while the coloring is entirely distinct. The color next to the leaf-stalk is reddish green, surrounded by a very wide margin of silvery white, while the edges are very beautiful yellow-green color, spotted with white. Price, \$1 each.

Chamædorea Pringlei.

A new, rather dwarf Palm, growing from two to four feet in height. The fronds are two feet in length, and the pinnae are narrow and of a dark green color. Price, \$10 each.

Dichronema Leucocephala.

A very ornamental grass, with long, narrow, green leaves, and flowering stems a foot to eighteen inches high, with white flower-heads and bracts; very striking. Price, \$1 each.

ADIANTHUM CUNEATUM VARIEGATUM (Fischer & Manda). (See opposite page.)

SARRACENIA MANDAIANA (Pitcher & Manda). (See opposite page.)

Nephrolepis exaltata plumosa.

A grand new Fern, in the way of *Nephrolepis davallioides furcans*. The fronds are 12 to 18 inches long, of a light green color, and beautifully crested. Price, \$2.50 each.

Sabal glauca.

(PITCHER & MANDA.)

A provisory name. The seed of this beautiful Palm was introduced without any record being kept of its native habitat or country. It is a dwarf-growing Palm, with fine, broadly divided foliage, of a light green color on the upper surface, while underneath is a beautiful glaucous blue. As it will take years to determine its proper name, we have given it this provisory name; but whatever it is, it is a grand addition. Price for fine plants in 4-inch pots, \$1 each.

Sarracenia Mandaiana.

(PITCHER & MANDA.)

A few plants of this rare and beautiful plant have been collected growing in company with *S. flava* and *S. Drummondii*, of which it is no doubt a natural hybrid, being intermediate between the two above-named species. The pitchers grow about two feet in height, are trumpet-shaped, and broad at the opening; color light green, with slight white mottling. The lid is large and broad, slightly incurving, undulated at the edges, dark green shaded with red and blotched with white. (See plate, page xxii.) Price, \$5 each.

New Selaginellas.

S. Pitcheriana. (PITCHER & MANDA.) A neat and beautiful addition to this class of plants, growing about six inches high. The fronds are dark green on the upper surface, while the stem under-surface is bright red. Price, 75 cents each.

S. Lageriana. (PITCHER & MANDA.) Stronger growing plant than the preceding, with fine, broad fronds of a beautiful light green color. A fine pot-plant. Price, 75 cents each.

Tillandsia argentea.

A beautiful Bromeliad, with narrow recurving leaves covered with white down, giving the plant a very striking appearance. Price, \$12 each.

New Dracænas.

D. australis aurea striata. This is a beautiful and striking plant for coolhouse culture. The broad leaves, which are the same size as *D. australis*, are beautifully variegated with a number of yellow stripes running lengthwise. A plant that will have a great future. \$10 ea.

D. DeSmetiana. A grand hybrid, with broadly oblong leaves. The ground color is rich bronze, beautifully colored on the margin with red and white. Price, \$5 each.

D. indivisa atropurpurea. (PITCHER & MANDA.) Beautiful new variety of this popular class, with bright crimson-red foliage. One of the most desirable additions to the cool section of Dracænas. Price, \$7.50 each.

Kentia Dumoniana.

A beautiful addition to these most popular Palms. It is of a very dwarf naot, with short front stalks; the fronds are also short and recurved, with narrow pinnæ, giving the plant the peculiar aspect of a miniature *K. Belmoreana*. Price on application.

Maranta Lageriana.

(PITCHER & MANDA.)

This is the finest addition to this useful genus of plants, having been discovered in Colombia by our collector, whose name it bears. The plant grows from 12 to 15 inches high; the leaves are obovate, with prominently standing veins of a rich bronze color, the under leaf being rich dark red. The plant is of very free growth. (See plate.) Price, \$2.50 each.

Zamia Lindenii.

A grand and rare Cycad, re-discovered by our collector in Colombia. The trunk varies from six inches to two feet in length, and six to twelve inches in circumference. The fronds are long, loosely set with broad oval leaflets of a beautiful light green color, which is quite bright pink when the leaflets are young. One of the most striking plants amongst Cycads, and which no collection should be without. Price, \$25 each.

For other varieties of Stove and Greenhouse Plants, see our General Catalogue.

Novelties in Vegetables.

The Variegated Silver-leaved Potato.

This Potato is an excellent one for the table, being full of granular substance, and when cooked is white, mealy and of a delicious flavor. The color is a pale red (resembling the "Early Rose"), oblong in form, and with flat or level eyes, thus obviating waste, and should be classed among the medium earlies. All the foregoing qualities alone make it a desirable variety to be cultivated, but beyond this it is a *picturesque ornament* for private grounds and gardens, on account of its beautiful attire of leaves; therefore it can also be grown and cultivated in the finest parks, where, of course, the ordinary sorts of potato would be quite out of place. Consequently it is of two-fold value, merging in one article the useful with the ornamental. It is effective either as a single plant or as a group in beds, and its appearance is similar to *Acer negundo fol. var.*, or the variegated elder. Pot-plants ready March 1, 1893. 25 cts. each, 5 plants for \$1. (See plate, page xxv.)

Pitcher & Manda's "Ice Lettuce."

This is a novelty of the first rank and the most recommendable sort of the whole collection of Lettuces. The curly edged leaves are very smooth and tender, of a bright green-reddish tint, and have small indents which are continually filled with dew-drops, thus keeping the leaves always fresh. When seen in the sunshine, truly this lettuce seems to be covered with small pearls of ice—hence the name "Ice Lettuce" was given to it. It grows very quickly, and in all respects must commend itself to those who try it. In consequence of the excessive and continuous heat experienced this year, only five per cent. of the 2 to 3 feet circumference heads went into seed; we can therefore offer but a limited quantity, at 50 cts. per packet. (See illustration, page xxvi.)

Burpee's Bush Lima=Bean.

Comes absolutely true from seed. The bushes grow eighteen to twenty inches high, of stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush, from two to three feet in diameter. The leaves are of very large size and great substance. The bush character is thoroughly established, not one plant in a thousand showing any disposition to "run." The thickness of the main stalk and branches of the plant, as also the unusual size, healthy green color and thick leathery substance of the leaves indicate the strong constitution of this variety, by which it is enabled to bear large crops. It is also a sure cropper, and an immense yielder, each bush bearing from 50 to 200 of the handsome large pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large pole Limas. By the introduction of this most valuable novelty, the largest and best Lima-beans can now be raised in quantity at small cost, without the expense and labor attached to the use of poles. Per pkt., 15 cts.; per $\frac{1}{2}$ -pt., 40 cts.; per pt., 75 cts.; per qt., by mail postpaid, \$1.40; per qt., by express, \$1.25.

*The Variegated
Silver Leaf
Potato*

New Variegated Silver-leaf Potato. Showing the type and superior quality of the tubers.
(See opposite page.)

NEW ICE LETTUCE. Pitcher & Manda's Ice Lettuce. A new and distinct variety, embracing most desirable qualities. (See page xxiv.)

Watermelon "Homerus."

(ITALIAN INTRODUCTION.)

This is the "ne plus ultra" of all Watermelons, opening quite a new path to the culture of this vegetable. The shape of the fruit is oblong, and the skin is light green, somewhat marbled or veined; a good specimen weighs more than 40 pounds. The juicy flesh is rather more solid than usual, of ruby color, and of a delicately perfumed flavor. But what renders this kind most curious are the seeds, which, owing to their softness and almond-like flavor, can be eaten together with the flesh. In fact, this kind might rightly be called "The Almond Melon." 25 cts. per packet.

Nonesuch Sweet-Corn.

An entirely new Sweet-Corn, with good-sized ears, strong-growing qualities and heavy yield. The cob is pink in color, with white grains, of good size, tinted with pink at cob end. There is no glaze or flint in it, therefore it must be sweet and tender. It is 12 to 14-rowed, and comes in use after Moore's Concord, with larger ears. The fodder is of beautiful color, tinted with pink, both on leaves and stalk. A great acquisition. 25 cts. per pint, 50 cts. per quart.

The Stanley Pea.

A very handsome and large-podded Pea, being a cross between American Wonder and Telephone. It is an extraordinary cropper when given a rich, loamy soil; grows 18 inches high, and requires no bush. The pods often measure four inches in length by over two inches in circumference. It ripens very evenly, so that nearly the entire crop may be taken at one picking. Per 2-oz. packet, 15 cts.; per ½-pt. package, 40 cts.

Tomato *semperfructifera*.

(THE EVERFRUITFUL TOMATO.)

This is a wonderful cropper, with large clusters of plum-shaped, somewhat flattened fruits of a bright scarlet color. The clusters seldom bear less than 50 fruits, and often more. The plant ripens the first fruits towards the end of May, producing continually until late fall. This kind is therefore well adapted for growing on trellis-work out doors, or in the frame, where if well grown it will produce fruits all the year round. Although the fruit is small, the flesh is solid and of excellent flavor. 25 cts. per packet.

For all other Vegetable Seeds, see our General Catalogue.

EDITORIAL ROOMS, NEW ENGLAND HOMESTEAD
SPRINGFIELD, MASS., *March 10, 1892*

Thanks for Catalogue received. It is a magnificent one, and the finest I have seen.

E. C. POWELL, *Asst. Editor.*

OTTAWA, *March 14, 1892.*

Again I have to thank you for the costly and most excellent Catalogue I had the pleasure of receiving this morning. I wish you every success.

J. R. CHAMBERLAIN.

Novelties in Flower Seeds.

Ball or Jewel Asters.

This beautiful class of Asters which belongs to the short-petaled *Pæony*-flowered section, seems to have attained a great popularity. The flowers are very double, with symmetrically incurving petals making them almost exactly spherical. **Apple Blossom, Deep Rose, Crimson, Rose and White, Purple Violet.** Each color, per pkt., 25 cts. The collection of five colors, onepacket of each, \$1.

Pitcher & Manda's Tuberous-Rooted Begonias.

Our own saving, from our unexcelled collection. This is a class of plants which has been developed within the past 15 or 20 years by the skill of the hybridizer. Now we have them in bright scarlet, more brilliant than *Geraniums*, and in all shades of rose, red and pink to white, and of late we have brilliant yellows, from pale straw-color to brilliant bronze, and all both double and single. Our collection of these plants is very large, and the last season we have carefully saved seed from the best flowers, which we offer as below. This seed of our own saving is, we assure our customers, superior to the imported seed usually offered.

	Per pkt.		Per pkt.
Single Striped Vitatta	\$o 75	Double Scarlet	\$o 75
“ Scarlet	50	“ White	75
“ White	50	“ Yellow	75
“ Yellow	50	“ Bronze	75
“ Bronze	50	“ Pink and Rose	75
“ Mixed	25	“ Mixed	50

New White Margaret Carnations.

Although only of recent introduction, this class of Carnations has become a most important article for every one who requires cut-flowers, and justly so, now that they are well known to yield such a rich profusion of large, sweet-smelling and generally double flowers, from four to five months after the time of sowing. We find that this valuable race will produce self colors fairly true from seed, and now offer a *pure white* flowering variety, of which 75 per cent. accurately represent the type. 25 cts. per pkt.

Centaurea cyanus nana compacta “Victoria.”

This fine annual is especially adapted for carpet-bedding, and equally suitable for pot-culture; it cannot fail to be greatly appreciated when more generally known. The single blooms are somewhat smaller than those of the ordinary *Corn-Flower*, and larger than those of the dwarf variety, and in color a brighter blue than either. The plant grows six inches high, forming a perfect ball, completely covered with flowers; it will quickly be found a desirable acquisition to the flower garden. 25 cts. per pkt.

Pitcher & Manda's Prize Chrysanthemum Seed.

Our immense collection of this grand autumn flower is looked upon by all authorities as the most select, more distinct and new varieties of worth having been distributed from our establishment than from any other in the world. Our Prize-Winners, after exhibition, are set aside and hybridized by artificial and other means to produce seed which has become crossed with other good kinds. 25 cents per pkt., 5 pkts. for \$1.

The prizes offered last year for the best varieties raised from our seed have been awarded to the following parties: First prize (\$100) to Mr. Malcolm MacRorie, gardener to Dr. H. A. Mandeville, South Orange, N. J.; second prize (\$75) to Mr. Walter H. Knapp, Newtonville, Mass.; third prize (\$50) to Dr. Geo. F. Hawley, Corning, N. Y.

Ipomœa (Mina) sanguinea.

A magnificent climber, much finer than *Mina lobata*. It climbs even more rapidly and higher; the leaves are still more lobate, and from June the plant produces with certainty (and by no means so irregularly as *Mina lobata*) a great number of brilliant, blood-red flowers. This is decidedly one of the finest climbers that has been introduced in many years. 25 cents per pkt.

MARANTA LAGERIANA (Pitcher & Manda). (See page xxiii.)

TULIP POPPY. (*PAPAVER GLAUCUM*.) (See opposite page.) The finest annual of recent introduction.

Myosotis Alpestris, "Jewel."

(Forget-Me-Not.)

An entirely new variety, being a sport from *Myosotis alpestris* Victoria, but much larger in the flowers. The plants are very strong and compact, forming solid ball-shaped bushes, bearing from 40 to 45 perfect flower-stems. The flower is composed of one double center blossom, encircled by innumerable smaller ones, forming altogether a beautiful-looking cluster, which lasts a long period in bloom. The color is a beautiful sky-blue, brighter than any other variety known. For beds and borders, and especially for bouquet work, this novelty will be found invaluable. 25 cts. per pkt.

Pitcher & Manda's Hybrid Orchid Seeds.

SEEDS OF CYPRIPEDIUM HYBRIDS.

During the past season we have artificially hybridized numbers of *Cypripedium* blossoms, making crosses as distinct as the flowering season would admit of. This seed we now offer for sale to those who wish to try the experiment of raising *Cypripedium* from seed. We may say in advance that we would not recommend the experiment to any one except those with a collection of Orchids, and who understand the treatment of the young plants; but to such we feel it will be a pleasure to watch the growth and development of the plant, whose flower may be a distinct and valuable form worth perhaps several hundred dollars. Our collection of *Cypripedium* is the largest in the world, and we have upwards of 2,000 seedlings ourselves which have never blossomed. Such of our seedlings, however, as have blossomed, are in most cases very valuable, and we have sold them at high prices.

The seed should be planted in sphagnum moss on the top of a pot, around a larger plant. After two leaves have developed they may be transferred to thumb-pots, and, as they grow, into larger pots. We have had them blossom in from two to five years' time from the sowing of the seed. The names of species used in the hybridization will appear on each packet of seed. 75 cents per pkt.

Pelargonium multibracteatum.

A new and very fine variety, discovered only quite recently in Abyssinia. Of dwarf habit, and slightly climbing branches, like the *Pelargonium peltatum*; the leaves are deeply lobate and bronzed; the snow-white flowers are produced continually from February to September. 25 cents per pk^t

Phlox Drummondii lutea fl. pl.

(Semi-double Yellow Phlox.)

Of late years several semi-double flowering *Phlox Drummondii* have been introduced, the value of which as cut-flowers must have been recognized by those who have tried them. This very pretty yellow flowering variety comes quite true from seed, and possesses a slight perfume. It is worthy of note that in order to produce the best double flowers, this Phlox should be grown in a light soil. 25 cts. per pkt.

Tulip Poppy (Papaver glaucum).

A magnificent new Poppy, recently discovered in the mountains of Armenia. The plant rises to a height of 12 to 14 inches, and produces above the bluish green foliage a profusion (often 50 to 60) of large and splendid flowers of the most brilliant and vivid scarlet imaginable. The two outer petals bear a resemblance to a saucer, in which the two inner petals stand nearly upright and as if protecting the stamens. As the flowers fade, two black spots are visible at the base of the petals. The color reminds one of the bright scarlet of the Scarlet Duc Van Thol Tulip, and on this account the variety has been named the Tulip Poppy.

This has proved to be one of the very best decorative annuals, its dazzling red flowers, produced in such profusion, forming a brilliant mass not to be excelled, and serving to brighten up other plants with flowers or foliage of a more somber color. The minute seed will sometimes remain for two weeks before germinating, but if planted in a hotbed it will germinate in about eight days. The finest annual of recent introduction. 25 cts. per pkt. (See plate, page xxx.)

Alpine Poppies (*Papaver Alpinum*).

These beautiful and graceful Poppies bring to recollection some of the delightful sensations felt by travelers in the Alps and Switzerland at catching sight of their dainty blossoms. Although they are perennials, they will, if sown early in spring, bloom the first season; are perfectly hardy, and require no protection. The colors are striking and showy, and a collection of these charming flowers in any garden is exceedingly pretty and effective. **Orange, Pure White, Yellow, Rose.** Each color, per packet, 25 cents; collection of four colors, one packet of each, 75 cents.

Primula Chinensis fimbriata, Pitcher & Manda's "Standard."

This is a novelty, originated and sent us from Germany, and is decidedly superior to all other varieties known. The flowers are one-third larger than those of other varieties, and the growth of the whole plant is very much stronger. The first flower stems grow far above the foliage before they open, and then the flowers appear incurved. As with the *Primula Japonica*, it is not uncommon in this variety to see two bunches of flowers on one stem, and as they bloom constantly and retain their excellent appearance for a long period, we think it will be found a decided acquisition. The Erfurt Horticultural Society awarded the "Standard" Primula a first-class certificate, and announced it as the best variety known up to the present. With this recommendation given by the highest authorities, we offer this novelty in America, feeling certain it is most worthy and distinct. We can furnish two colors only, viz.:

Pure White. 50 cts. per packet.

Carmine Red. 50 cts per packet.

New Golden Yellow Double Scabious.

A yellow Scabious having been long looked for, we have no doubt that this introduction will secure a large share of popular favor. The plants of this pretty and useful novelty are semi dwarf and bushy, and bear in great profusion compact double flowers, of very fine golden yellow color, which are admirably adapted for cutting. 25 cts. per packet.

Dwarf Queen Ten=Weeks Stock. DARK BLOOD RED.

A valuable introduction, which has proved to be the forerunner of a new class. Not over nine inches in height, of compact habit and vigorous growth; the plant produces numerous umbels of large, intensely blood-red flowers, which stand out effectively from the broad and fleshy green leaves. Although this Stock produces 60 to 65 per cent. of double flowers, the single ones are also of decorative value, and thus render the class suitable for borders and for carpet bedding. 25 cents per pkt.

Triumph Ten=Weeks Stock. BRILLIANT CRIMSON.

This splendid novelty was introduced last season as a Pyramidal Stock, but it is now recognized as the first variety of an entirely new class. Of vigorous growth, the plant attains a height of 1 to 1½ feet, is of branching habit, and bears about 70 per cent. of very large double flowers. The latter are of graceful shape, resembling those of the double Ranunculus, and the peculiar changing lustre which lights up the rich coloring is especially striking. One of the distinguishing features of this new class is that the single blooms rival the double in attractiveness, the large, round-petaled flowers recalling the Scarlet Linum. and being borne so thickly give the plant a really splendid appearance. 25 cts. per packet.

New Dwarf Double=Striped Zinnia. (*Zinnia elegans nana flore pleno striata.*)

This dwarf type of the striped or zebra strain of Zinnias will be found invaluable for bedding and pot-work. The colors are as bright and effective as in their tall prototypes, and for large beds and borders will be unsurpassed. Mixed colors, 25 cents per pkt.

For separate colors and other varieties, see flower-seed portion of General Catalogue.

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GEORGE W. GOODRICH, SEED GROWER.

Canajoharie, N. Y. Autumn, 1891.

Gentlemen:--

I take pleasure in presenting the following list of seeds grown this season of 1891. I have taken care to prevent any degeneration or intermixture of stock, and the seeds are all carefully hand-sorted, so that I can guarantee the purity and the germinating qualities. My stocks are particularly fine this year and cannot help pleasing. Please bear in mind too, that all are northern grown.

Ferry's Detroit Wax beans, \$5 bush.

Ferry's New Challenge Black Wax beans \$5 bush.

New Speckled Wax beans, 5.50 bus.

Improved Golden Wax beans, \$5 bus.

Best-of-all Bush beans, \$4 bus.

Ne Plus Ultra Green Pod beans, \$4 bus.

Wardwell's Kidney Wax beans, \$4.25 bus.

Goddard, or Boston Favorite, beans, \$4 bus.

Improved Extra Early Red Speckled Valentine beans, \$4.50 bus.

New Golden Eyed wax beans, \$5 bus.

Low's Champion beans, \$3.75 bus.

Flageolet wax beans, \$4 bus.

Griswold's Ever-bearing wax beans, \$6 bus.

Dwarf Horticultural beans, (all sold).

Red Kidney beans, \$2.50 bus.

New Early Dawn Sweet Corn, \$5 bus.

New Champion Sweet Corn, \$4 bus.

Early Longfellow Field Corn, \$1.20 bus.

New White Chestnut Squash, 35c lb.

Dunlap's Prolific Marrow Squash, 35c lb.

Connecticut Field Pumpkin, \$1.75 measured bus.

Japanese Buckwheat, 80c bus.

Silver-hull Buckwheat, 80c bus.

Welcome Oats, 55c bus.

Challenge Oats, 55c bus.

Mammoth Russian Sunflower, (all sold).

I shall be glad to mail samples of the above on application.

Very Respectfully,

GEO. W. GOODRICH.

PARTIAL VIEW OF GLASS-HOUSES OF THE UNITED STATES NURSERIES AT SHORT HILLS, N. J.