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1882



Illustrated

HAND BOOK
FOR THE
FARM & GARDEN
AND

AN ATLAS

OF
GARDEN,
FIELD & FLOWER
SCENES, &c.



B. K. BLISS & SONS,

34 BARCLAY STREET
NEW YORK

Should you not require this Catalogue, we shall feel much obliged if you will place it in the hands of your friends who are likely to require Seeds, Bulbs, Plants, etc., at the same time kindly recommending our Firm to their notice.

WHAT WE GUARANTEE.

That all seeds sold by us shall prove to be as represented, to this extent, that should they prove otherwise, we will replace them, or send other seeds to the same value. But we cannot guarantee the crop any farther than the above offer, as there are so many causes which operate unfavorably in the germination of seeds and maturity of the crop, over which we have no control. Among the causes of failure may be mentioned unfavorable weather, which is one of the most important. The soil may be in proper condition when the seed is planted, but the weather which follows may be cold and wet, which will cause the seed to rot, or it may be hot and dry, which destroys the germ, before it shows itself. The soil may also be unfavorable for the variety of seed planted. The seeds may be and are frequently destroyed by vermin of various kinds. And lastly, changes not unfrequently occur, especially among new hybridized varieties, by which frequent sports are produced which give the planter the idea that his seeds are badly mixed. Such occurrences are beyond the power of man to prevent and for which we cannot be responsible.

That all money shall reach us if sent by either Bank Draft, Money Order, Express or Registered Letter. If unable to procure money orders or currency, remittances may be made in postage stamps (of the highest denominations convenient, not exceeding 30c. stamps), care being taken to prevent their sticking to each other, or to the order. Stamps are preferable to coin, as the latter is apt to break through the envelope.

That all seeds sent out by us shall reach their destination, agreeing to replace any that may be lost in the mails.

We respectfully solicit your orders on the above very favorable conditions. Every possible care and precaution will be used by us to prevent any mistake from occurring, but should such occur, we wish to be advised at once, and they will be cheerfully rectified, as it is our aim and desire that every transaction with us shall be perfectly satisfactory.

We would also request that the above instructions may be fully complied with; also that with each and every order you will give your COMPLETE ADDRESS DISTINCTLY WRITTEN, and give shipping instructions if the order is to go otherwise than by mail.

Do not ask to have small orders sent C. O. D., as the charges for collecting the money, added to the expressage on the goods, often amounts to more than the expense of sending them by mail or express prepaid, and, to some points, more than the value of the seeds ordered. We would therefore request that each order be accompanied by a remittance, as much more satisfactory to all parties.

Thanking our many correspondents for their past favors, both in orders received and for speaking so kindly of us to their friends, and awaiting your further favors, which shall receive our best care and prompt attention.

B. K. BLISS & SONS.

THE FOLLOWING CATALOGUES WILL BE MAILED TO ALL APPLICANTS ON RECEIPT OF PRICES AFFIXED.

Regular customers, whose names are recorded on our books, will be supplied with a copy of each edition, when published, without application.

Bliss's Illustrated Hand-book for the Farm and Garden.—A complete descriptive list of all the most desirable varieties of Garden, Field, and Flower Seeds, Plants, Summer Flowering Bulbs, Implements, and Horticultural Requisites of every description; illustrated by a beautiful colored plate and about 300 engravings; 150 pages; published annually. 10 cents.

Bliss's Illustrated Potato Catalogue.—Contains a list of 500 varieties of Potatoes, embracing several new and very promising varieties, with explicit directions for culture, and much other valuable information respecting this indispensable esculent. 10 cents.

Bliss's Bulb Catalogue (Illustrated).—Published September 1st, containing a choice Collection of DOUBLE AND SINGLE HYACINTHUS, arranged in their several colors; TULIPS in many varieties, both double and single; POLYANTHUS NARCISSUS, CROWN IMPERIALS, JONQUILS, SNOW-DROPS, LILIES, etc. 10 cents.

VALUABLE HORTICULTURAL WORKS.

By EDWARD S. RAND, Jr.

Any one of the following books will be mailed, post-paid, at the price quoted:

Flowers for the Parlor and Garden.—Beautifully illustrated. \$2.00.

Popular Flowers, and How to Cultivate Them.—Thoroughly revised and enlarged. Illustrated. \$1.50.

Garden Flowers: How to Cultivate Them.—New edition, thoroughly revised. Illustrated. \$2.00.

A Treatise on Hardy and Tender Bulbs and Tubers.—With full directions for cultivation. Beautifully illustrated, with two appendixes. 370 pages, 8vo. \$2.00.

Orchids.—A complete manual of Orchid Culture, with hints on construction of Orchid Houses. \$2.50.

Rhododendrons.—Third thousand, newly revised. 8vo. \$1.25.

For Agricultural and other works, see third page of cover.

VEGETABLE SEEDS.

69 Please to bear in mind that according to the notice given on page 69 of our Hand-Book for 1889 (which please see) the prices given for Vegetable Seeds DO NOT INCLUDE POSTAGE OR QUANTITIES OF LBS. AND OVER. When ordered to be sent by MAIL, 16 CENTS PER LB., OR 25 CENTS PER QUART, MUST BE ADDED, TO PREPAY POSTAGE. If this be omitted, the order will be reduced to cover the deficiency.

Am't in Qts. Pounds Oz. or Pkts.	VARIETIES.	Price.	Am't in Qts. Pounds Oz. or Pkts.	VARIETIES.	Price.
		\$			\$
		cts.			cts.
Amount brought forward,				Amount brought forward,	
Amount forward,					

REMARKS.

SUPPLEMENT.

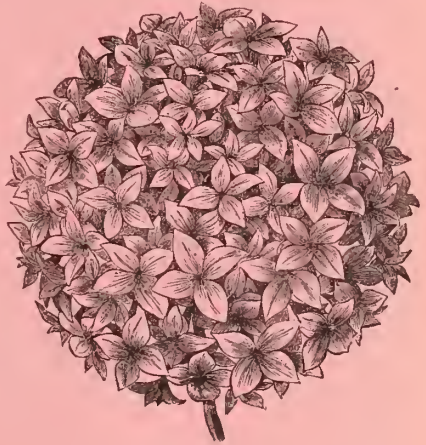
NOVELTIES, AND OTHER SEEDS OF SPECIAL MERIT, OF RECENT INTRODUCTION,

MANY OF WHICH ARE NOW OFFERED FOR THE FIRST TIME IN THIS COUNTRY.

Novelties for 1882 are designated by *, and the descriptions given are as furnished by their respective growers.



No. 1118.—Edelweiss.



No. 1052.—Gaillardia Picta Lorenziana.

* No. 323. *Annonibum alatum grandiflorum*.—In this novelty we have a great improvement over the old type of this well-known everlasting. The blooms are of a pure white, and about double the size of those of the *Annonibum alatum*. Per pkt., 25 cents.

* No. 359. *Aquilegia Vervæneana atroviolacea plenissima*.—All lovers of Aquilegias will hail this sterling novelty with delight. The flowers are very double, and of a deep violet, which contrasts charmingly with the variegated foliage of the plant. Per pkt., 25 cents.

No. 399. *Asters, extra fine quilled German*.—Nothing finer in the way of quilled German Asters can be had than this strain. The seed has been saved from a collection remarkable for the great beauty and quality of the flowers, as well as their varied and brilliant colors. Per pkt., 25 cents.

* No. 2344. *Briza Spicata*.—The erect spikes of this new and very graceful Brazilian species make it quite distinct from the other well-known sorts of Quaking Grass. The spikes are about the same size as those of the *Briza Media*, and grow about 8 inches high. For everlasting bouquets, wreaths, etc., this will be found of great utility. Per pkt., 25 cents.

No. 625. *Canterbury Bells, Dean's Hybrids*.—Without doubt the finest strain extant. Remarkable, not only for size of flowers, but brilliancy and variety of colors. The seed offered has been saved from a collection of fourteen distinct double and single varieties. Per pkt., 15 cents.

No. 646. *Carnation Grenadin*.—A new early variety, of great promise, furnishing a profusion of scarlet double flowers of remarkable brilliancy; unsurpassed for florists' use. Per pkt., 25 cents.

No. 733. *Cineraria, new double-flowering*.—This is unquestionably one of the finest florists' flowers that has been sent out for many years. They represent *crimsons* and *magentas*, in various shades; *purples*, both light and dark, as well as flowers tipped with different tints of *scarlet* and *magenta*, and perfectly double; habit very good. Price \$1.00.

No. 734. *Cineraria, large-flowering, pure white*.—Remarkable for the pure *white* color and large size of the flowers, and *dwarf* and elegant habit. Price 75 cents.

* No. 1006. *Eschscholtzia Rose Cardinal*.—A distinct and lovely variety, with soft, clear, rosy-tinted flowers. It is a hybrid from the now popular *Eschscholtzia Mandarin*, and, like it, is likely to prove an acquisition of considerable value. Per pkt., 25 cents.

* No. 1052. **Gaillardia picta horenziana.** (New Double Gaillardia. See cut).—This is an introduction of the greatest importance, and one which will prove to be of lasting merit. As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut-flowers, this variety cannot be too highly recommended. The colors offered (in mixture) comprise sulphur yellow, golden yellow, orange, amaranth, and claret. Per pkt., 50 cents.

No. 1117. **Gnaphalium decurrens.**—New Everlasting flower of branching growth, eight to ten inches high, with a main flower-stalk measuring twenty-four to thirty inches in height. The flowers are white, and produced in thick clusters. It is a charming Immortelle, and grows freely in any garden soil. Per pkt., 25 cents.

No. 1118. **Gnaphalium leontopodium (Edelweiss.** See cut).—The flowers are pure white, star-shaped, and of a downy texture. This is the true Edelweiss of the Alps, well-known and so much prized by tourists in Switzerland. Per pkt., 25 cents.

* No. 1213. **Helichrysum Fireball.**—A new and beautiful everlasting, of the richest crimson-maroon color; a bright and pleasing contrast to the ordinary dull chocolate-red everlasting flowers. For church decorations, etc., it will be invaluable. Per pkt., 25 cents.

* No. 1329. **Larkspur, Double Stock-flowered, "Lustrous Carmine."**—The new and constant color of this novelty is not approached in any Larkspur hitherto offered, and surpasses in beauty many of the colors which have been obtained up to the present. It is of a fiery or lustrous carmine, and by its judicious employment brilliant effects may be produced. Per pkt., 25 cents.

* No. 1344. **Lathyrus latifolius delicata.**—A very distinct and beautiful form of the Everlasting Sweet Pea, with pale pink flowers; pleasing and effective. Per pkt., 25 cents.

No. 1474. **Marigold—African Lemon.** } Saved from the very finest strains, and specially recom-
No. 1475. ———— **Orange.** } mended for exhibition purposes. Each, per pkt., 15c.

* No. 1503. **Marvel of Peru, dwarf, pure white.**—When fully developed, the plants of this novelty do not exceed nine or ten inches in height, and form a charming compact little bush, studded with snow-white flowers, and clothed with fine yellowish foliage. Per pkt., 50 cents.

No. 1540. **Mignonette, Golden Queen.**—An attractive and distinct variety, of dense pyramidal habit of growth. It throws up very numerous flower-stalks, terminated by spikes of golden yellow blossoms, with which the bright green foliage of the plant forms a pleasing contrast. Per pkt., 25 cents.

No. 1543. **Mignonette, New Giant.**—This novelty presents a striking improvement in many of those characteristics so desirable in this very popular favorite. It is a rapid grower, remarkably compact in habit, and supplies a profusion of large spikes of exceedingly fragrant flowers. As it continues long in bloom, it is one of the very best for bee-keepers' and florists' use. Per pkt., 15 cents.

* No. 1555. **Mimulus, "Queen's Prize."**—A most magnificent strain of this easily cultivated and brilliantly colored flower. Many of the flowers measure from two to three inches in diameter, the color comprising exquisite mottled shades of rich purple, crimson, and yellow, ruby, etc. Wherever exhibited they have been greatly admired, and pronounced superior to anything of the sort seen before. Per pkt., 50 cents.

* No. 1582.—**Myosotis Alpestris robusta grandiflora.**—The flowers of this new variety are of a sky-blue color, with a clearly defined yellow eye, and of great size. The plant resembles in habit the form of a candelabrum, on which account it is quite distinct from all the older sorts. Per pkt., 25 cents.

* No. 1602. **Nasturtium, Tom Thumb—Empress of India.**—This plant is of a dwarf, compact habit, with dark-tinted foliage, and flowers of a deep brilliant crimson, many degrees deeper and richer than in King of Tom Thumbs, from which variety it has probably originated. Its merits as a bedding plant cannot be too highly spoken of. Per pkt., 25 cents.

No. 1693. **Pansy, Snow Queen (Viola tricolor maxima candidissima).**—The flowers of this charming sort differ entirely from those of the ordinary White Pansy. They are of a particularly delicate satiny white, with a slight tinge of yellow toward the center. As it reproduces itself exactly from seed, we warmly recommend it, not only for bouquets, but as a very valuable accession to the Pansy family. Per pkt., 50 cents.

* No. 1696. **Pansy, "Lord Beaconsfield."**—The ground color of the flower of this charming Pansy is purple violet, shading off, in the top petals only, to a whitish hue, a peculiarity which imparts to the whole flower an unusually bright appearance. This highly effective and singularly beautiful Pansy cannot fail to speedily become one of the most popular, both for bedding and bouquet-making. Per pkt., 50 cents.

No. 1761. **Petunia hybrida una compacta, new dwarf, inimitable.**—An unusually profuse bloomer; seedlings, when only three inches in height, begin to unfold their charming flowers. It is unquestionably a most important novelty, for which, as a plant for market, as well as for carpet bedding, a great future may be predicted. Per pkt., 50 cents.

No. 1763. **Petunia hybrida robusta flore pleno.**—A most distinct and remarkable novelty. The plants are of very compact and symmetrical growth, and attain a diameter of fourteen inches by about eleven inches in height. The flowers, of which a large number belong to both the **smooth** and **fringed petaled** large-flowering double sections, comprise the whole of the beautiful shades of color characteristic of the genus, and so freely are they produced that a fully developed plant has all the semblance of an artificially made bouquet. It is also admirably adapted for pot-culture, and for this purpose we strongly recommend it. Per pkt., 50 cents.

* No. 1791. **Phlox Drummondii Hortensiae flora alba.**—This is, without doubt, the finest white Phlox obtained up to the present time. It is of vigorous habit, and produces in wonderful profusion flowers of unusually large size. Per pkt., 25 cents.

* No. 1792. **Phlox Heynholdii Globosa alba-rosea.**—This is a perfect gem for pot culture, their particularly free and long flowering nature rendering them specially desirable. It is of a delicate pink color, and is reproduced true from seed. Per pkt., 25 cents.

* No. 1824. **Polyanthus Lustrous.**—A splendid rich glossy black Polyanthus, unequalled for pot culture or bedding purposes. Was awarded a first-class certificate by the Royal Horticultural Society of England. Per pkt., 50 cents.

No. 1835. **Poppy umbrosum.**—Immense flowers of a brilliant crimson, with a large black blotch at the base of each petal; very showy; 1½ ft. Per pkt., 25 cents.

No. 1869. **Primrose.**—Saved from a splendid collection of choice high-colored varieties, several of which have received first-class certificates from the Royal Horticultural Society of England during the past few years. Per pkt., 50 cents.

No. 2106. **Stock, Giant White Brompton.**—A splendid strain, bearing massive spikes of very double pure white flowers. Per pkt., 20 cents.

CHOICE VARIETIES OF ENGLISH PEAS.



Day's Early Sunrise Pea.

ally covered with pods. Price, packets, 25 cents; per pint, 75 cents; by mail, post paid.

Soja Bean (*Soja Hispida*).—This Bean has proved to be perfectly hardy and valuable for feeding purposes. The stems are stiff, and the pods are produced in bunches of from two to five, and contain four smooth nankeen-colored seeds. The foliage and stem make excellent forage, and the seeds, which contain about 18 per cent. oleaginous matter, are highly nutritious. This Bean is an essential ingredient of the celebrated *Soja* sauce. Two feet should be allowed between each plant. Price, per packet ($\frac{1}{2}$ pint) 25 cents.

Cabbage, New Russian Hardy.—The great value of this variety as a Winter vegetable has been thoroughly tested, it having frequently remained uninjured by the effects of very severe Winters, all the other varieties being utterly destroyed. It is perfectly distinct, the leaves having the appearance of a deer's antlers, and singularly thick and of a peculiar sea-green color. Per packet, 25 cents.

Cabbage or Kale, Thousand-headed.—This variety produces a most abundant crop, which is much liked by cattle or sheep. It grows well on any land, and reaches a height of from three to four feet, the stem being covered with leaves, which form small heads. It is not affected by slight frost, and by sowing and transplanting at proper times it can be made to come in all the year round in the Southern States or on the Pacific coast. **It is invaluable for Sheep-Feed.** One oz. packets, 20 cents; 4 oz., 60 cents; lb., \$2.00, by mail.

Celeriac, Apple-shaped.—Of a very regular, almost spherical, shape, with a fine neck and small leaves; may be planted very thick, and will give a heavy crop by the acre. A valuable variety for the market on account of its fine and regular form and excellent quality. Packet, 10 cents; oz., 25 cents.

Celeriac, Turnip-Rooted, Tom Thumb.—A dwarf variety, recommended for edgings or plantings or sloping banks in the kitchen garden. Packet, 25 cents.

Kohl Rabi, White Giant.—Extra fine quality, grows to a very large size, very productive. Packet, 10 cents; ounce, 25 cents; $\frac{1}{4}$ pound, 75 cents; pound, \$2.00.

Maxixe.—This new vegetable is from Brazil, where it is extensively used, either raw, as a salad, or cooked. It may be fried in butter like the egg-plant. It is also used boiled with meat or fish, and in soups. It may also be sliced and eaten with vinegar like the cucumber. For pickles, when about half or two-thirds grown it will be found particularly desirable. It should be planted on light, warm soil, and treated precisely like melons or cucumbers. Price per packet, 25 cents; 5 pkts., \$1.00.

Pea, Day's Early Sunrise.—This is a new and distinct variety from England, and is one of the earliest marrow Peas. During the past season, it has been tested by many eminent gardeners, who were unanimous in pronouncing it exceedingly prolific, and of superb quality. It is a white wrinkled marrow, very large for an early Pea, and of fine flavor; while in constitution and habit it is hardy and robust. It is from $2\frac{1}{2}$ to 3 feet in height; the pods, which are long, large, and well filled, are produced in pairs, and almost completely cover the haulm. By its grand size and quality it is specially adapted for market gardeners and field culture.

PRICE— $\frac{1}{2}$ pint packets, 15 cents; pint, 50 cents; quart, \$1.00; by mail, post-paid. By express or otherwise: Pint, 40 cents; quart, 75 cents.

Pea, Stratagem.—This is said to be one of the best, if not absolutely the best, of the many English Peas lately introduced. It grows to a height of 2 feet, and the plant is literally covered with immense pods, many measuring nearly 6 inches in length, and frequently containing 10 large, fine-flavored Peas. The stems are so strong that they will almost stand upright without any support. The "Gardener's Chronicle" says: "Stratagem, a dwarf wrinkled blue marrow, is a grand acquisition—a heavy cropper, with large, remarkably well-filled pods."

PRICE— $\frac{1}{2}$ pint packets, 25 cents; pint, 75 cents; quart, \$1.25; by mail, post paid. By express or otherwise: Pint, 65 cents; quart, \$1.00.

Pea, Pride of the Market.—A first-class certificate was awarded this Pea by the Royal Horticultural Society of England last Summer, which in itself is conclusive evidence that it possesses more than ordinary merit. It is described as being equal to Stratagem in length of pod, but of greater depth of color. It grows from eighteen inches to two feet high, and from top to bottom of the haulm bears grand pods, well filled with large and fine-flavored Peas. Its robust constitution, enormous productiveness, and superior appearance insure its acceptance as a favorite by the public. Price, $\frac{1}{2}$ pint packets, 25 cents.

Peas, Telegraph and Telephone.—For full description and price of these splendid Peas, see page 92.

Pea, Challenger.—This excellent variety is one of the handsomest, most prolific, and best flavored Peas in cultivation. It is a magnificent Exhibition Pea, and will speedily find favor amongst growers for market, by reason of its fine, handsome pods, productiveness, and dwarf habit. It is a dwarf, dark green marrow, growing about 2 to $2\frac{1}{2}$ feet in height, and the entire haulm is literally

THE EARLIEST AND BEST DWARF WRINKLED PEA!

THE MOST
DESIRABLE



PEA EVER
INTRODUCED.

The earliest and most prolific Dwarf-wrinkled Pea in cultivation.

Illustration is taken from a photograph, and shows one Vine half natural Size.



The best Pea for forcing under glass, and unsurpassed for early sowing.

Extra Early, requires no bushing, and is of most exquisite flavor.

BLISS'S AMERICAN WONDER PEA.

READ ON THE FOLLOWING PAGE WHAT THE PRESS AND PUBLIC SAY OF THIS PEA.

BLISS'S AMERICAN WONDER PEA.

THE BEST VARIETY FOR FORCING UNDER GLASS, AND THE BEST FOR EARLY SOWING IN THE GARDEN.

☞ On account of its exceedingly dwarf habit, it can be grown in Hot-beds, like cucumbers or lettuce.

This new and fine-flavored variety is a seedling, the result of a cross between the favorite varieties, *Champion of England* and *Little Gem*, raised by Mr. Charles Arnold, the well-known Canadian agriculturist. It combines all the good qualities of both its parents, with the additional ones of superiority in flavor to the *Champion*, and of greater productiveness than the *Little Gem*, besides being earlier than any other of the wrinkled varieties. Peas planted June 5th were ready for the table in thirty-three days from the date of planting. On good soil, each vine will average twelve pods, and each pod six peas. Twenty-seven to forty-one pods have been counted on some vines, and nine large peas in some of the pods, and every pod is well filled. The vine grows from eight to ten inches high, according to the soil and season. Having full confidence in the superiority of this variety, we bought the entire stock of the originator, and first offered them in the spring of 1873, since which they have been tested in various parts of the world, and have met with the unqualified approval of all who have given them a trial. For the past three years the demand has been far greater than the supply, and we have been unable to fill our orders.

Voluntary Testimony in Favor of Bliss's American Wonder Pea.

From **Rev. Henry Ward Beecher**, July 14, 1881.—Your Peas are wonderful, none others so good, I do not mean to plant another year any others, early or late. They beat the Alpha in earliness and out of sight in flavor.

From **Hon. Marshall P. Wilder**, *Pres. American Pomological Society, Ex-Pres. U. S. Agricultural Society*, June 30, 1881.—My AMERICAN WONDER is a wonder, equal in sweetness and richness to the *Champion of England*, which is all that could be desired.

A correspondent from Santa Clara, California, says: "Having seen it stated that the AMERICAN WONDER PEA had yielded as much as fifteen pods to one vine, I looked at my Peas, and selected a few single standing vines. I counted the pods, including all that had dropped the blossoms, filled and partly filled, and counted on the first vine examined twenty-seven pods; on the second twenty-five; on the third twenty-nine; and on the fourth thirty-five. Two days afterward I was in the patch again, and counted on one vine forty-one pods that were filled and hardening, partly filled, or that had just dropped the blossoms. The peculiarity of this Pea seems to be that it sends out a branch at every joint or leaf-stalk, and on these the fruit is borne."

From **A. A. Halliday**, Bellows Falls, Vt., July 5, 1881.—Last spring I purchased of you, among other things, one quart of BLISS'S AMERICAN WONDER PEAS, which I sowed about the last of April. The first of June they were large enough for the table. At one time I could have picked two bushels of Peas from them, many of the pods being as large as the *Champions*, and containing nine large peas. I consider them far ahead of any early pea I have ever seen. The land on which they were sown is a light sandy loam, and there was not a pound of any kind of fertilizer used on it this year.

From **Geo. P. Sherwood**, Portland, Me., August 8, 1881.—Amongst the other seeds purchased of you last spring was one package of your AMERICAN WONDER PEA. I find them all that you claim, and thinking that you would like to know the result, I inclose a list of the number of pods on each of 52 vines (total 511), which I selected at the time they were ready for table. I found that the average number of peas in the pods was seven.

One of our growers writes, August 25, 1881: "Twenty-seven and one-sixth bushels of AMERICAN WONDER PEAS were grown from one bushel of the seed you sent, upon a trible over an acre of ground."

From **A. A. Dunnington**, New South Wales, May 21st, 1879.—I exhibited at the late Inter-Colonial Exhibition, in Sydney, *Bliss's American Wonder Pea*, and they received a special diploma, being highly esteemed on account of their quality and earliness, so that they have quite eclipsed the best English varieties tested against them, and the product of the seed is grand in size and quality.

In alluding to the above, the *Sydney Morning Herald*, of April 22, adds: "Among vegetables specially worthy of notice was *Bliss's American Wonder Pea*, shown for the first time. It is remarkable for the rapidity of its growth, as it is ordinarily ready for the table in thirty-three days from the time of planting. Mr. Dunnington had three crops since September last."

(Extracts of letters from the well-known Seedsmen, Messrs. Sutton & Sons, England, and Ernst Benary, Erfurt, Prussia.)

Royal Berkshire Seed Establishment, Reading, England, July 16, 1880.

Messrs. B. K. Bliss & Sons: We have given a careful trial to the *American Wonder Pea* you were good enough to send us for trial, and we must say we are exceedingly pleased with it.

(Signed)

Sutton & Sons.

Erfurt, Prussia, November 6th, 1880.

This new American introduction, for which we are indebted to Messrs. Bliss & Sons, New York, has with us proved to possess in every respect the good qualities for which it was recommended. Not only is it the earliest of all the marrow kinds, but it is at the same time the dwarfest of all Peas, attaining a height of 8 inches only. Despite its pygmean stature, it has shown itself to be a heavy cropper, each plant having borne on an average 10 to 12 well-filled pods. The dark green foliage lends to the plants a pleasing appearance. The flavor of the peas being furthermore particularly fine, I do not hesitate to highly recommend this valuable and distinct American introduction as in every way worthy of general adoption."

(Signed)

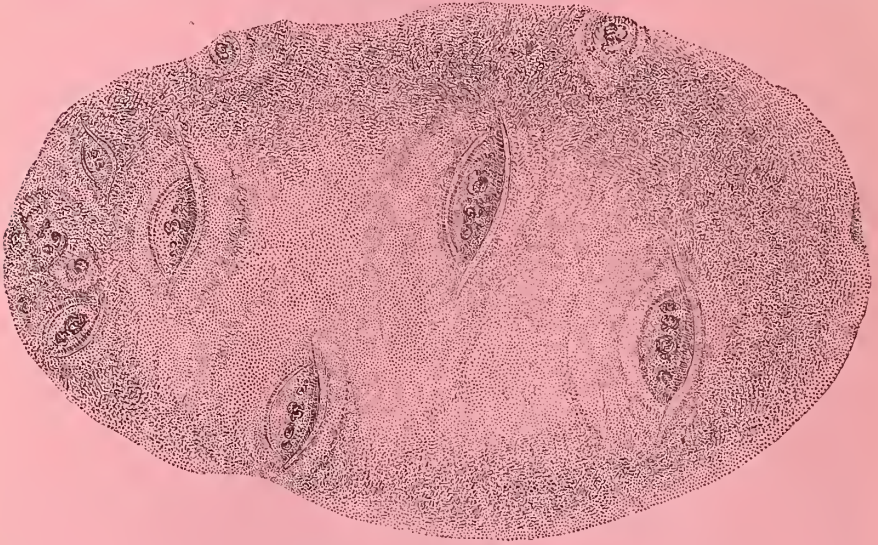
Ernst Benary.

CAUTION.—As there is another pea in the market called *American Wonder*, which has been offered for the past two seasons, we last Summer procured samples from several dealers, which when tested were in every case found to be entirely unlike the one introduced by us, being later, much taller, and inferior in quality and productiveness. We would, therefore, caution all of our friends in want of the genuine variety to call for "**Bliss's**" *American Wonder Pea*, and receive no other.

PRICES—One-third pint package, 20 cents; pint, 55 cents; quart, \$1.00; by mail, post-paid. When delivered at our store, or sent by express at the expense of the purchaser: one pint, 40 cents; one quart, 75 cents; half-peck, \$2.75; one peck, \$5.25. Prices for larger quantities upon application.

NEW VARIETIES OF POTATOES.

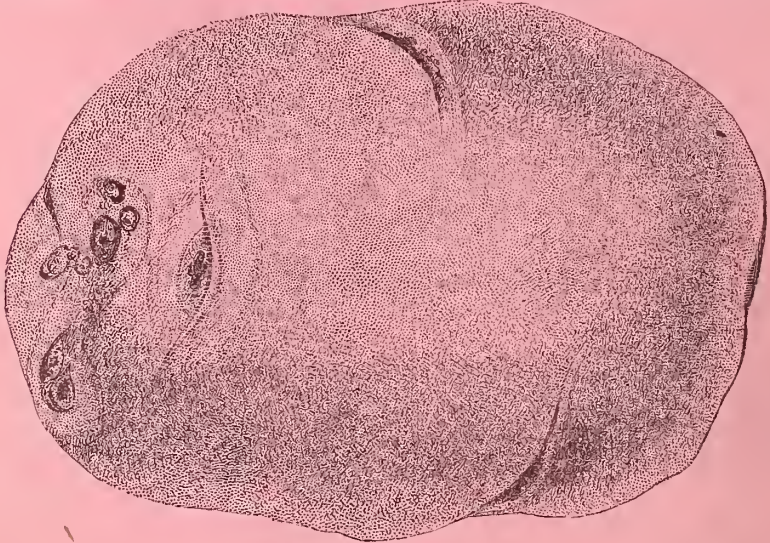
For cultural directions and a more complete list of Potatoes, with full description of each variety, see our Illustrated Potato Catalogue, which also contains much valuable information upon their culture. Forty-eight pages. Price, 10 cents. See also pages 93-95 of this catalogue.



BROWNELL'S BEST.

This new seedling, originated by E. S. Brownell in 1875, belongs to that well-marked and excellent strain of Potatoes represented by the Snowflake, Pride of America, and a few others. In appearance it differs not materially from these well-known varieties. Its color is white, shading to russet; shape oblong, somewhat flattened; eyes few and entirely smooth; flesh white, fine-grained, floury, and of the purest flavor. The tubers grow compactly in the hill, and are remarkably uniform in good medium to large size. It ripens second early, and is equally valuable as an early market as for a Winter Potato. Its yield is enormous, 16 bushels having been raised on 5 rods of ground. Taking all in all, we do not hesitate to assert that the highest perfections in shape, in size, in yield, and in quality are combined in this new variety.

Price, \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; barrel, \$25.00.



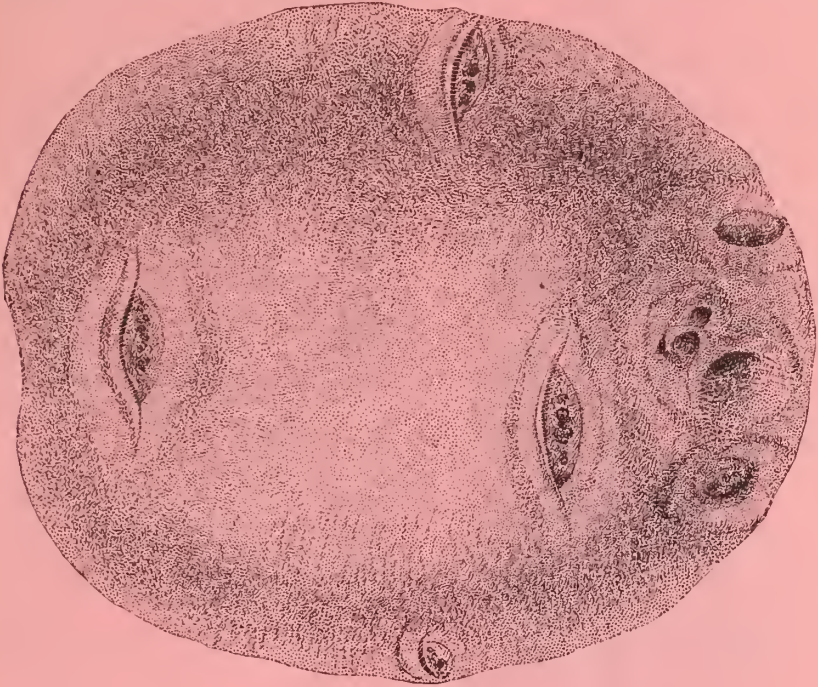
EARLY HOUSEHOLD.

A seedling raised from Pringle's Hybridized Potato-seed, selected from a large number of seedlings on account of its extreme earliness combined with excellent quality. The tubers are large, short cylindrical, flattened or indented on one side; skin and flesh white, quality first-class in every respect. It clusters compactly in the hill, and has never shown any signs of disease in foliage or tuber; ripens a few days earlier than Early Rose, and excels it in hardiness as well as productiveness. It is of distinct and handsome appearance, and cannot fail to become a leading early market variety.

Price, \$1.00 per pound; three pounds, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; barrel, \$25.00.

VERMONT CHAMPION.

The persevering efforts of Mr. A. Rand, of Vermont, the originator of this new variety, have already given us some of the best and most valuable Potatoes in cultivation. His aim has always been to select for parent stock varieties that have by experience proved to possess some special desirable qualities, which, in a higher degree than others, would be transmitted to their progeny. Compton's Surprise and White Peach Blow were found of superior value for this purpose, and have been largely experimented with. A great number of seedlings were produced by crossing these two varieties, and after six years' trial, this



Vermont Champion.

one—the Vermont Champion—was selected, not only as possessing more good qualities than any other, but as one of the most valuable varieties ever cultivated. It is of large size, roundish oval form, has a silvery white skin and white flesh; its flavor is pure and delicate. It is a good cropper, and keeps well. A first-class certificate was awarded to this variety by the Royal Horticultural Society of London, England.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; dbl., \$25.00. When the *three varieties* are ordered, we make the following deductions: One pound of each, \$2.50; three pounds of each, \$6.00, by mail, post paid.

Radish, Scarlet Turnip, White Tipped.—A very early variety; color, bright scarlet, tipped with white, presenting a beautiful appearance upon the table; an excellent market variety; fine for forcing. Packet, 10 cents; ounce, 20 cents; $\frac{1}{2}$ pound, 40 cents; pound, \$1.00.

Radish, White Giant
Stutzart, Summer.—Very early and remarkable for its quick growth; in five to eight weeks after being sown it will produce roots as large as a purple winter radish, and of most excellent quality. Price, 10 cents per packet; ounce, 20 cents; $\frac{1}{2}$ pound, 50 cents; pound, \$1.50.

Tomato—Mayflower.—A splendid variety, for full description of which see page 100.

Turnip, Extra Early
Purple-top Munich.—A remarkably handsome and very early Turnip, with a bright purplish-red top and fine mouse-tail root. Very distinct and valuable. It has proved to be quite *three weeks* earlier than any other variety sown on the same day side by side with it. Per packet, 25 cents.



Cuban Queen Watermelon.

This melon has proved to be all that was claimed for it when first introduced. Notwithstanding the extraordinary drought of the past season, the first prize melon weighed 81 lbs. For description and price, see page 87.

PRINGLE'S HYBRIDIZED EXCELSIOR HULLESS OATS.

Mr. C. G. Pringle, the well-known successful hybridizer, to whose efforts we are indebted for the celebrated Champlain and Defiance Wheats, Snowflake, Alpha, and several other standard varieties of potatoes, has been successful in imparting important improvements to another cereal. We have purchased the entire stock of this promising novelty, and now offer for the first time **Pringle's Hybridized Excelsior Hulless Oats**.

With a view to impart to the Hulless species the size of plant, vigorous habit, and productiveness of one or other of the favorite hulled sorts, Mr. Pringle, amongst other experiments, hybridized the well-known Excelsior Oats with the Chinese Hulless, and the experiment proved, beyond question, highly successful, the result being the variety now offered.

It is quite distinct from the Chinese, with splendid straw, tall and stiff as that of the Excelsior, and with a panicle as broad and numerously seeded as in that variety. It is exceedingly prolific, being equal in yield to the best hulled varieties, and double that of the Chinese hulless oats. As a variety for milling purposes, the **Excelsior Hulless** is destined to become rapidly popular, not alone on account of absence of husk and freedom from bran, but also on account of the enormous size of the grain and the excellent and nutritious quality of the meal produced from it.

We sent out one-ounce trial packets of this variety last Spring, from which we have heard wonderful results. Mr. Henry Talbot, of Ashtabula County, Ohio, says that from one ounce of these oats he last season saved over ten pounds of seed. Each grain produced, on an average, stools of ten straws each, every straw being heavily laden with kernels, which, when thrashed, resemble the grain of rye, but when growing the plant looks exactly like common oats.

Price per peck, \$2.50; bushel of 32 lbs., \$7.00; trial packages, by mail, 60 cents per lb.; 3 lbs., \$1.50.

RURAL BRANCHING DURRA.

The value of this as a forage-plant is becoming better known every year, and but for the fact that it was for a time confounded with other varieties, it would have received an earlier recognition of its merits. It is essentially different from all other Durras, from the fact that they produce but one stalk, whereas this variety throws up from six to sixteen stalks from each seed. It starts a new growth readily after being cut for fodder, and will in this way produce two or three crops a season.

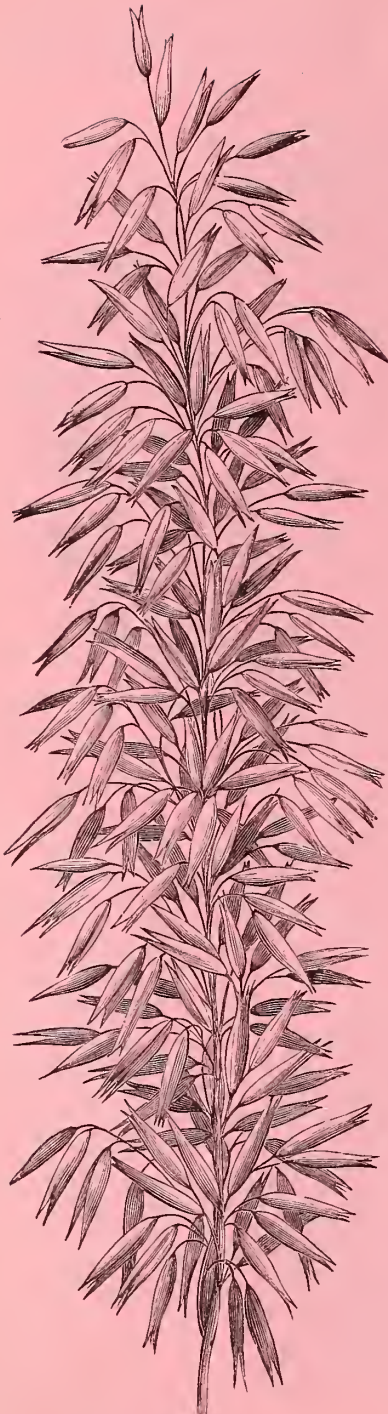
A correspondent from Lancaster, Pa., writing Jan. 2, 1882, says: "I consider Branching Durra the best forage crop I ever planted. I fed eight head of mules from a half-acre patch the past season (from the 15th of June until the 12th of November); it is also excellent food for cows, and they are very fond of it. It grows very rapidly, and stands drought remarkably well. What I used as feed, I fed green; but it can be cured, like other grass or fodder."

"The Branching Durra, or Sorghum, can be cut here from four to five times during the season, the first two cuttings being very heavy. I plant it in four-foot rows, and three feet apart in the drills, and when well up thin out to two stalks in the hill, and cultivate like corn."

Five pounds is sufficient to plant an acre.
Price, by mail, post-paid, per pkt., 10 cents; ¼ lb., 20; 1 lb., 60.

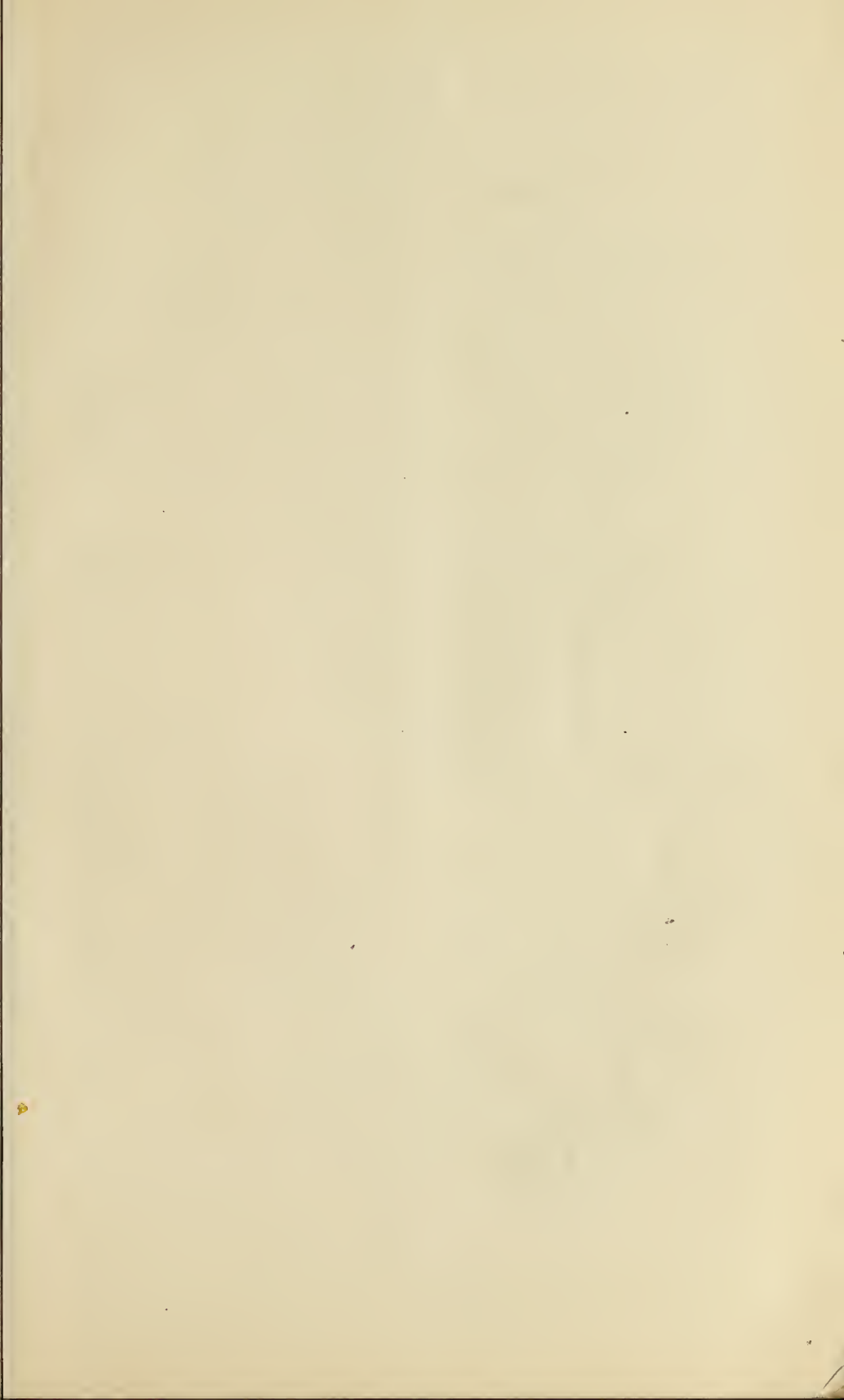
NEW RYE—THOUSAND-FOLD.

A desirable European novelty, producing enormous heads from six to eight inches in length; grains very large and full; and, as its name implies, an unusually prolific variety. Price, trial packets (about 500 grains), 25 cents; one pound, by mail, \$1.00.



White Russian Oats.

(For description and price, see page 112.)





SCHUMACHER & ETLINGER LITH. 32 BLEECKER ST. N. Y.

- 1. GOETHE.
- 2. SCHILLER.
- 3. BEETHOVEN.
- 4. MENDELSONN

NEW GERMAN PANSIES
 From B.K. BLISS & SONS' Gardeners Hand Book

- 5. MOZART
- 6. HAENDEL
- 7. HAYDEN
- 8. SCHUMANN



ESTABLISHED 1845.

B. K. BLISS & SONS,

Illustrated Hand-Book

FOR

THE FARM AND GARDEN

FOR

1882

CONTAINING A COMPLETE LIST OF THE BEST KNOWN AND MOST
POPULAR VARIETIES OF

GARDEN, FIELD & FLOWER SEEDS,

13
WITH DIRECTIONS FOR THEIR CULTURE.

ALSO, A LARGE ASSORTMENT OF

PLANTS, GLADIOLUS, LILIES, HORTICULTURAL REQUISITES, &c.



PUBLISHED ANNUALLY BY

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IMPORTERS AND GROWERS OF

Garden, Field and Flower Seeds, Dutch Bulbous Roots,

SUMMER FLOWERING BULBS,

And Dealers in Agricultural and Horticultural Books, Implements, Fertilizers,
and General Garden Requisites,

34 BARCLAY STREET, NEW-YORK.

1882

TO OUR PATRONS.

*I*T is with feelings of more than ordinary pleasure that we present to our numerous friends our **HAND-BOOK FOR THE FARM AND GARDEN, for 1882,** which we submit for your approval, trusting that it will meet with the same cordial reception that has always been extended to its predecessors.

New and prominent features and many improvements will be observed in the present edition, much of the matter having been entirely rewritten, many of the older and less desirable varieties having given place to those of more recent introduction, which have proven to be more desirable. It was our intention to have presented a beautifully colored frontispiece with this issue of our Hand-book, but, finding it would require a much longer time than we had anticipated, we have decided to continue with the group of Pansies which has been so much admired.

Another Spring we hope to send with our Hand-book a colored plate of flowers, which for artistic design and elegance of execution shall be unexcelled.

Standing as we do on the threshold of another year of business life, the present is a fitting opportunity for thanking our many friends, who for so many years have intrusted us with their valued orders. We do this most cordially, and hope that by a careful attention to your orders we may be able to retain this pleasing relation for many years to come. Our thanks are also extended to those who have so kindly recommended us to their friends. We shall at all times endeavor to merit this signal expression of good-will toward us.

From every section of the country during the past season we have continually received unsolicited testimonials as to the **satisfactory quality of our seeds, etc.** In fact, during no previous term of our business career do we remember to have received such general and widespread commendation. Realizing that this is the direct result of our unceasing efforts to please our patrons, it is all the more gratifying. We assure you that it shall be our constant effort to maintain this enviable prestige, and all that a careful vigilance over every department of our business can do to secure this end shall be done. However, in a business so extended as ours in the bustle and rush of a busy season, it is almost impossible but that mistakes shall sometimes occur. When such is the case, we earnestly request that any errors in the execution of an order, or any cause for complaint, shall be immediately reported, as it is our aim and wish that every purchaser shall be perfectly satisfied in every transaction with us.

The past season has been one of unparalleled drought, resulting in short crops, and, in some few cases, slight advances in prices. Our crops, however, have been gathered in good condition, and the quality will be found to be fully up to the former standard.

For novelties we would refer to our Colored Supplement. **Mayflower Tomato** is a decided acquisition. Of the **Potatoes**, two are indorsed by the Royal Horticultural Society of London, having received **first-class certificates** at their Potato Exhibition last Fall. In this connection we are happy to state that the Potatoes that we have heretofore introduced are almost the only varieties of importance now offered in the markets of this country, and are also grown very largely in Europe. One firm in England sold last season about two thousand tons (twenty-five thousand barrels) of the Snowflake Potato for planting and consumption, many going to supply the tables of the London clubs, where a good Potato is known and appreciated. Several varieties of Potatoes still in our trial grounds have received first-class certificates from the London Horticultural Society the past season. These we hope in due course to offer.

Bliss's American Wonder Pea still maintains its place at the head of the list of Early Peas, as the best Early Pea in cultivation. It is, without doubt, the best Pea introduced in many years. As we advised our patrons last season, beware of an inferior Pea called the "American Wonder," and buy nothing but Bliss's American Wonder, if you would get the genuine.

Pringle's Wheats, Champlain and Defiance, are gaining many friends, having been planted with great success in the wheat-growing sections of Europe and Australia, as well as in this country.

A careful perusal of this Hand-book cannot fail to be of great benefit to the planter, the farmer, the market gardener, and every person who plants and loves flowers, as it will suggest the most desirable varieties for cultivation, give quantity of seed required, instructions for growing and caring for crops, etc.

To those especially interested in Potatoes, we would say that we publish in February a special Catalogue on Potatoes, fifty pages, profusely illustrated, sent free on application to former patrons or intending purchasers, and to others on receipt of 10 cents.

Colored plates of the group of Pansies, printed on heavy paper for framing, will be mailed for 50 cents each, or given gratuitously to purchasers of seeds in packets to the amount of \$2.00, if desired, instead of the 50 cents in seeds offered on page 3.

With thanks for your past favors, and hoping for a continuance of your orders, which shall at all times receive our best care and attention,

We remain, very respectfully yours,

B. K. Bliss & Co.

A FEW REMARKS TO PURCHASERS.

AS the seed season continues only for a few months in the year, there is, of course, a great pressure of business just at the *sowing season*. Except in cases of extreme urgency, all orders will be executed in strict rotation as received. We would, therefore, feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue. This would greatly facilitate operations, and ensure greater attention. We use every possible precaution to prevent any error being committed in the execution and transmission of orders, and in the weights and measures. Should any deficiency occur, either by press of business or accident, we earnestly desire our customers to inform us of the fact. Such irregularities rarely occur, but it is almost impossible to escape a few, in the hurry and haste of a busy seed season. We crave indulgence should there be a brief delay, and at the same time will do our utmost to prevent it.

SEEDS, BULBS, ROOTS, PLANTS, Etc., BY MAIL.

Post-paid to all parts of the United States. The freight on all parcels by Express to be paid by the purchaser, unless by special agreement. The cost of collection and return charges will be added to bills sent C. O. D.

THE postage law authorizes the sending of BULBS, FLOWER ROOTS, CUTTINGS, and SEEDS, and various ARTICLES of MERCHANDISE, at the rate of *one cent per ounce*, package *not to exceed four pounds weight*. Under this law we are enabled to forward many other articles besides Seeds and Bulbs that are enumerated in our Catalogue by mail instead of express, by which a great saving can be effected to those of our patrons who reside at a distance. Articles exceeding four pounds in weight must be sent by express as heretofore.

WE WOULD PARTICULARLY REQUEST OUR PATRONS TO STATE WHETHER IT WILL BE CONVENIENT FOR THEM TO RECEIVE THEIR ORDERS by express, and to give their nearest express office. Upon either of the following lines, by a special agreement with the Adams, American, National, and the United States Express Companies, we are enabled, BY PREPAYING CHARGES, to send packages to all points on their routes at reduced rates. It is often more convenient for us to send by express, prepaying charges, than to send by mail in several packages. Customers will please not understand by this that we agree to pay ALL express charges on any articles they may order, only that we reserve the right to send by express (prepaying charges) goods offered free by mail, provided, of course, it is convenient for them to receive them by this method.

In giving orders please state explicitly by what conveyance they are to be forwarded, and if by express or railroad, the names of the parties to whose care they wish them consigned at the various places of transshipment. When no particular route is designated, we forward according to the best of our judgment. Orders from unknown correspondents, to insure attention, must invariably be accompanied with cash or a satisfactory reference.

ALL ORDERS MUST BE ACCOMPANIED BY A REMITTANCE.

IN making a remittance, purchasers will please be particular and send a sufficient amount to cover their orders. When only a part of the amount is remitted, goods will be sent only to the amount of the remittance. Should the remittance exceed the amount of the goods sent, the balance will be returned to the purchaser with the goods. We have been compelled to adopt this rule on account of the inconvenience and expense of collecting small balances due from many of our patrons at the close of our business season. Remittances can be made in current Bank-bills, Post-Office Orders, Registered Letters, or by drafts on New York, Boston, or Philadelphia. Post-Office Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are surest to reach their destination. We will guarantee the safe arrival of all packages when orders are accompanied with a Draft on New York, Registered Letter, or Post-Office Order. The cost of the Post-Office Order, Draft, or of Registering the Letter may be deducted from the remittance on orders amounting to \$2.00 and upwards.

N. B.—We earnestly request our correspondents to be particular and give their NAMES, POST-OFFICE ADDRESS, COUNTY AND STATE IN FULL, DISTINCTLY WRITTEN. We are in daily receipt of orders deficient in some one of these important requisites, and very frequently from prominent men of business, who not only forget to sign their names, but omit their place of residence, often causing a delay of weeks in the execution of their orders, greatly to their inconvenience, as well as our own. We are in possession of many letters, the accumulation of former years, with money enclosed, without signature or place of residence, the writers of which probably considered themselves badly swindled by not receiving their goods. Orders may be addressed to **B. K. Bliss & Sons, Box 3530, Post-Office, New York**. Please be particular, and give the address in full, as letters are often miscarried by not being properly directed. For the convenience of our patrons, and to prevent errors, we have prepared an order-sheet, all ready for filling out, also an envelope upon which our address is printed, which will be sent with each copy of the Catalogue. Purchasers will please use the order-sheet according to the directions, and enclose the same with remittance in the envelope, and return to us.

GREAT INDUCEMENTS FOR THE FORMATION OF CLUBS.

Purchasers remitting	\$1.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	\$1.20
Purchasers remitting	2.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	2.50
Purchasers remitting	3.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	3.75
Purchasers remitting	4.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	5.00
Purchasers remitting	5.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	6.50
Purchasers remitting	10.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	13.00
Purchasers remitting	20.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	27.00
Purchasers remitting	30.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	40.00

No variation whatever will be made from the above rates. Prices to Dealers, whose orders exceed the above amounts, will be given upon application.

We wish it distinctly understood by our correspondents that the above discount will be allowed only upon FLOWER AND VEGETABLE SEEDS IN PACKETS. SEEDS, WHEN ORDERED BY THE OUNCE OR POUND, PLANTS, ROOTS, OR BULBS, WILL NOT BE INCLUDED.

DIRECTIONS FOR SOWING AND RAISING SEEDS.

A MELLOW loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotten manure and leaf mould, is adapted to the generality of flowering plants. Previous to digging flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to a better advantage.

All kinds of annual flower seeds may be sown in the months of April and May; the beds should be leveled and the seeds sown either in small patches, each kind by itself, or in drills. It is particularly requisite that seeds should not be sown too deep, from whence arise most of the failures of inexperienced gardeners. Some of the larger seeds, such as *Lupins*, *Sweet Peas*, &c., should be planted about three quarters of an inch deep; other varieties from a quarter to half an inch deep, according to the size or nature of the seed. In about a month, more or less, many of them will be fit to transplant. Take advantage of cloudy and rainy weather; move the plants carefully with a trowel; the smaller kinds set in front, the larger in the rear; if the weather be dry and sky cloudless, give a little water, and cover for a few days.

The best method to obtain an earlier bloom of the more tender Annuals, such as *Schizanthus*, *Cockscomb*, *Ice Plant*, *Sensitive Plant*, *Cypress Vine*, *Thunbergia*, *Globe Amaranthus*, *Verbena*, etc., and insure strength to the plants, is to sow the seeds in pots early in March, placing them in a warm greenhouse window, or plunging them into a moderate hotbed, carefully protecting them from the cold, shading them from the midday sun, and watering them very carefully with a finely-pierced watering can. The seed should be sown in very light, sandy compost, and the pots well drained by placing broken earthenware and rough sods in the bottom; the finer seeds must not be planted more than a quarter of an inch deep, and the soil pressed down very closely over them. Water frequently, as above recommended, particularly if the house or frame is very warm. As soon as the seed leaf is fully developed, transplant into small pots, three or four in each, and when they have acquired sufficient strength, transplant into the flower beds, not, however, before the middle of May.

The less delicate, such as *Ten Week Stock*, *Pansy*, *Nemophila*, *Phlox*, *Double Balsam*, *Cacalia*, *Dahlia*, *Centaurea*, etc., may be sown and transplanted as above, but must be kept rather cooler. The finer varieties of *German Asters* should be sown in pots towards the end of April, pricked off into smaller pots in June, and transplanted.

Hardy Annuals, such as *China Asters* (not the finer German sorts), *Purple Sweet Sultan*, *Sweet Alysum*, *Mignonette*, *Marigold*, *Gilia*, *Ipomea*, *Larkspur*, *Sweet Pea*, *Clarkia*, etc., will succeed well in a border of natural earth, if sown the first week in May, but they will flower a month earlier if assisted by glass. If some of the *Hardy Annuals* be sown in September, they will become strong enough to survive the Winter, if protected with a slight covering of straw, or litter; and when transplanted in Spring will flower earlier and stronger.

Hardy Biennials and Perennials may be sown at the same time with the Annuals. As they do not blossom the first year, they may be thinned out, or removed from the seed beds as soon as they are well rooted, and planted either into different parts of the garden or into a nursery bed, in rows, a foot or more apart; keep them clear of weeds by hoeing and stirring the earth occasionally, which will greatly promote their growth, and prepare them for transplanting into the permanent blossom beds, either in the Autumn or the following Spring. *Biennials* are raised principally from seed sown every year. Some *Perennials* and *Biennials* may be sown in September, or as soon as ripe; and if the plants get strong before the setting in of Winter, most of them will flower the next Summer. In transplanting, take care to preserve some earth to their roots, and tie the tall growing kinds to neat poles or rods. Remove decayed plants, and replace them with vigorous ones from the nursery bed. Keep all the beds free from weeds, and the walks clean and neat.

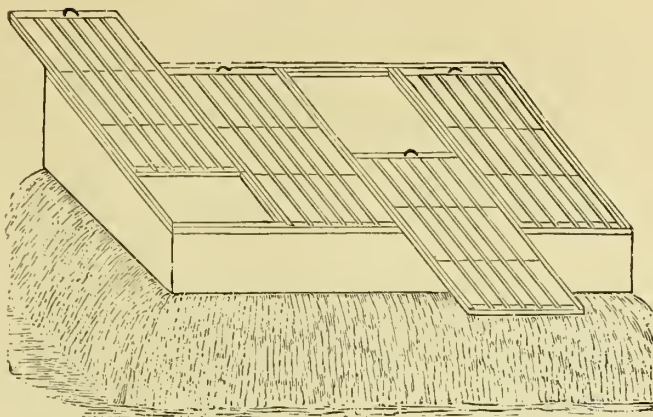
Seeds of Greenhouse Plants, especially *Calceolaria*, require extra care in sowing, as the seeds are very fine and delicate. The pans must be well drained, say half filled with coaks, and on this a layer of rough fibrous peat or turf, and fill up with compost of the following proportions:—two-thirds light rich loam, one-third peat, silver sand, and thoroughly decayed cow manure, the whole well mixed together. Make the surface as smooth as possible, and sprinkle a little silver sand over it, water with a fine rose: after the pans have thoroughly drained, the seed must be very evenly and carefully sown—it will require no covering. After sowing, place the pans under a glass in a close frame (it will require no artificial heat), keep shaded, as exposure for a short time to the sun's rays is often enough to scorch the delicate leaves and rootlets of the seedlings. Directly the plants are large enough to handle, they must be pricked into other pans, which have been prepared in the same manner as for seed sowing, and allowed to grow till they touch each other, then shifted into small pots, and replaced in close frame; as soon as the roots fill these pots it will be necessary to re-pot in larger sizes. They will now do, if replaced in frames or put on shelves in the greenhouse near the glass; water regularly, re-pot and stake when required. If troubled with green fly, select a quiet evening and fumigate with tobacco paper.

These remarks will apply also to the cultivation of the *Cineraria*, *Chinese Primrose*, *Carnations*, and many other rare seeds, except that they are more hardy, and will thrive with less care. The seeds being larger will require a light covering of finely pulverized soil.

Seeds of Trees and Shrubs require careful treatment. Most failures arise from not sowing them in PARTIAL SHADE. If hot bursts of sun come on the seed beds while the seeds are swelling, and cold follows, many seeds are liable to rot before they appear above the surface. For raising seeds on an extensive scale, many now use artificial arbors, tall enough to work under. For smaller lots, brushwood, or a thin shade of corn-stalks, on a skeleton frame, is an excellent plan. Where birds are destructive, lattice frames are made to cover the beds with. There are many kinds of seeds which, in the hands of experienced cultivators, need no shade, but to all persons of limited knowledge we would recommend to shade every seed.

Seeds take some time to swell their coats after going in the ground, hence all should be put in as early as possible—even though the frost be not out of the ground; if any dry soil can be had to cover, many find advantage in sowing even on frozen soil. In some climates where the Springs are early, some seeds will remain in the ground till the following Spring. If they fail to appear by the time the Spring is over, examine, and, if found with fresh kernels, keep the beds weeded and shaded till the next season.

These simple directions are all that any one needs, to have tolerable success in raising tree seeds; the greater the experience, of course, the greater the success.



PREPARATION AND MANAGEMENT OF A HOTBED FOR RAISING SEEDLINGS.

“**S**OW in heat—Sow in a hotbed,” are directions so commonly to be found in the notices of half-hardy annuals, that we feel we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of a hotbed, composed of stable manure, the most frequent and useful form in which it is to be found.

The Preparation of the *Dung* is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable-yard, and found to be too dry, it should be well watered and thrown lightly together to ferment; this will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littersy portion to the interior of the heap; a second turning and watering may be necessary, although one will be generally found to be sufficient; when thus cleaned of its rankness the *bed* may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built up from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed while being put together, and firmly pressed by the feet. The frame should be kept close until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed; in a few days it will be ready for use; but air should be given night and day while there is any danger from the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

When the hotbed is used for seeds only, nothing further is necessary; they are to be sown in pots or pans, placed or plunged in the bed, the heat of which will soon cause them to germinate. As this will, after some time, decline, what are called linings should be added, that is, fresh, hot, fermenting (but not rank) dung applied about a foot in width all round the bed; this renews its strength, and will greatly aid its successful management.

A Cold Frame is formed by placing the ordinary hotbed frame upon a bed of light, rich soil in some place in the garden where it will be protected from cold winds. They should both be shaded from the sun by mats during the middle of the day.

All of the leading varieties of FLOWER SEEDS sent out from our establishment are put up in packets; upon which are also printed the COMMON and BOTANICAL NAMES, the LINNEAN CLASSIFICATION and NATURAL ORDERS, with the adaptation and mode of culture of the variety which it contains, of which the following is a sample:

CARNATION PINK.—Fine German.

DIANTHUS CARYOPHYLLUS—FL. PL.

Nat. Ord., Caryophyllaceae. Linn., Decandria Digynia. Half-hardy Perennial. 1 ft. Fl., various colors. June to September. Native of England.

Sow in April or May, in pots of light soil mixed with leaf mould, scattering the seeds thinly, and covering very lightly with finely sifted mould. Place in a cold frame, or in a sheltered situation out-of-doors, covered with a hand glass; prick out when the seedlings have made a few leaves, either into small pots or in nursery beds. Protect the plants in frames through the winter, and transplant to the border in April. They may be increased by layers. Light, rich garden soil.

B. K. Bliss & Co.
18

No. 34 Barclay Street,
NEW-YORK.

COLLECTIONS OF FLOWER SEEDS BY MAIL.

THE following collections contain the most showy varieties in our large assortment, with full directions for culture. Each packet contains a mixture of the different colors and varieties of its species, so that a greater display can be made at less cost than when ordered in separate packets.

Collection A —Contains twenty choice varieties of Annuals	\$1.00
Collection B —Contains twenty choice varieties of Biennials and Perennials	1.00
Collection C —Contains ten extra varieties of Annuals and Perennials, embracing many of the new and choicest in cultivation	1.00
Collection D —Contains five very choice varieties of German Asters, Carnations, Double Hollyhocks, Pansies, and Verbenas	1.00

Any one remitting \$3.00 will receive the four collections postage free.

The following additional collections will also be sent at the prices annexed, *free of postage*.

Collection E —Contains fifteen very select varieties of Greenhouse Seeds	2.00
Collection F —Contains twenty varieties of Annuals suitable for bouquets	1.00
Collection G —Contains twenty varieties of Annuals and Perennials suitable for Hanging Baskets	1.00
Collection H —Contains fifteen varieties of Annual and Perennial Climbing or Running Plants	1.00
Collection I —Contains ten choice varieties of Ornamental Foliage Plants	1.00

The seeds contained in the above collections are of our own selection. Purchasers who prefer to make their selection from the Catalogue will be entitled to discounts, for which see page 3.

COLLECTIONS OF KITCHEN GARDEN SEEDS BY MAIL.

Containing Vegetable Seeds for One Year's Supply, for a Large or Small Garden.

THE following collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden:

Assortment No. 5 —Contains sixty varieties	\$3.50
Assortment No. 6 —Contains forty varieties	2.00
Assortment No. 7 —Contains twenty varieties	1.00

Larger collections, which can be safely sent by express (freight paid by purchaser) to any part of the country, as follows: No. 1, \$20.00; No. 2, \$15.00; No. 3, \$10.00; No. 4, \$5.00. For list of the contents of each collection, see page 105.

PLANTS IN SPECIAL SELECTIONS.

These Selections can be sent only by express, at the expense of purchasers.

Many of our customers being unable to determine what plants are best suited for a continuous display of flowers and foliage during the Summer months, we submit the following, which we are satisfied will prove satisfactory, being our own selection, and of such plants as we grow in large quantities. A saving of 30 per cent. is made in ordering from these selections.

SELECTION C.—\$10.00.—Containing 80 Plants.

1 Ageratum.	1 Cuphea lyssopophylla.	1 Hardy Phlox.
3 Alternanthera.	1 Cuphea platycentra.	4 Heliotropes.
1 Ampelopsis Veitchii.	1 Dianthus.	2 Lobelias.
2 Bonvardias.	2 Double Feverfews.	2 Othona Crassifolia.
2 Cannas.	2 Double Tuberoses.	2 Perestrophe Angustifolia.
2 Carnations.	4 Fuchsias.	10 Roses, everblooming var.
2 Centaureas.	10 Geraniums.	2 Scarlet Sage.
1 Chrysanthemum.	6 Pansies.	10 Verbenas.
6 Coleus.		

To which we will add, without extra charge, a plant of one of the New Double Ivy-leaved Geraniums.

SELECTION D.—\$5.00.—Containing 35 Plants.

2 Alternanthera.	1 Dianthus.	1 Lobelia.
1 Bonvardia.	1 Double Feverfew.	1 Othona Crassifolia.
1 Canna.	2 Fuchsias.	1 Perestrophe Angustifolia var.
1 Carnation.	5 Geraniums.	6 Roses, everblooming varieties.
1 Centaurea.	2 Heliotropes.	1 Scarlet Sage.
2 Coleus.	2 Pansies.	6 Verbenas.
1 Cuphea platycentra.		

To which we will add, without extra charge, a plant of one of the beautiful New Double Ivy-leaved Geraniums.

ONE DOLLAR COLLECTIONS.—PLANTS AND BULBS BY MAIL.

THE following collections of plants and bulbs, all distinctly labeled, will be forwarded, post-free to any post-office in the United States, on receipt of \$1.00 for each, or the twenty collections will be sent for \$17.50.

We will send only healthy plants, securely packed, and mailed according to directions. We may state that plants can be sent, with very little fear of failure, at all seasons of the year; in fact, there is less risk during the Winter months than in Summer, when the heat is excessive.

No. 1. 20 Verbenas, 20 different sorts.	No. 11. 3 Moss Roses, 3 different sorts.
2. 15 basket or bedding plants, 15 different sorts.	12. 2 Camellia Japonicas and 2 Azaleas.
3. 10 Geraniums, 10 different sorts.	13. 8 Double Geraniums, 8 different sorts.
4. 10 Tuberoses, all flowering bulbs.	14. 6 Variegated Geraniums, 6 different sorts.
5. 12 Gladioli, fine mixed sorts, all blooming bulbs.	15. 5 Carnations and 5 Roses, all different sorts.
6. 3 Roses, 2 Geraniums, 2 Fuchsias, 2 Carnations, all different sorts.	16. 10 splendid Carnations, 10 different sorts.
7. 6 Gladioli and 5 Tuberoses.	17. 6 Gladioli, 6 different sorts, all named.
8. 8 Verbenas and 5 Geraniums.	18. 8 Fuchsias, 8 different sorts.
9. 6 Hybrid Perpetual Roses, 6 different sorts.	19. 5 Coleus and 5 Achyranthus, all different sorts.
10. 10 Tea Roses, 10 different sorts.	20. 8 Verbenas and 5 Roses, all different sorts.

A SELECT DESCRIPTIVE LIST OF FLOWER SEEDS,

INCLUDING

All the leading varieties of Annuals, Biennials, and Perennials adapted for cultivation in Conservatory, Greenhouse, or Flower-Garden.

In order to facilitate purchasers in making their selections, who are unacquainted with the botanical names, or different varieties of plants, we have, as far as possible, given the popular name of each variety, and have endeavored so to simplify the description, that any person, however unacquainted, may be able to make a judicious selection.

In ordering Flower Seeds it is sufficient to give the numbers only, but it is absolutely necessary to state the edition of the Catalogue from which they are taken, as new editions are annually published and the numbers are frequently changed.

FULL CULTURAL DIRECTIONS ARE GIVEN ON EACH PACKET.

No. ABOBRA. Price.
An elegant climber, allied to the gourd family, with inconspicuous flowers, but the finely cut, dark-green foliage and the small, glossy, scarlet fruit render it highly ornamental; half-hardy perennial.
250 **Abobra viridiflora**, very graceful; 6 ft. \$0.10

ABRONIA.
Charming trailer, with beautiful verberna-like clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging baskets; half-hardy annuals.
252 **Abronia umbellata**, rosy lilac; fragrant .10
253 — **fragrans**, yellow; very fragrant. .10

ABUTILON.
Desirable plants for the conservatory, freely producing a profusion of lovely bell-shaped flowers; many of the varieties succeed well if plunged in the border during Summer; half-hardy shrubs.
255 **Abutilon**, choice varieties, mixed. .25

ACACIA.
Graceful, elegant, and highly ornamental plants, that may be employed for outdoor decoration, during the Summer, with most satisfactory results; greenhouse shrubs.
258 **Acacia**, choice varieties, mixed. .25

ACHIMENES.
Charming plants, combining great beauty with richness and brilliancy of color; succeeds well in a warm greenhouse; seed scarce; greenhouse bulb.
262 **Achimenes**, choice varieties, mixed. .50

ACONITUM.
A well-known showy favorite, popularly termed *Monkshood*; grows luxuriantly under trees or in other much shaded situations; hardy perennial.
264 **Aconitum napellus**, blue and white; 3 ft. .05

ACROCLINIUM.
A beautiful class of everlasting flowers; graceful border plants and valuable for Winter bouquets and decorations; half-hardy annual.
266 **Acroclinium roseum**, light rose; 1 ft. .05
267 — **album**, pure white; 1 ft. .05

No. ADLUMIA. Price.
A beautiful climbing plant of graceful habit, with delicate pale-green pinnate foliage; flowers freely all Summer; also called *Mountain Fringe* and *Alleghany Vine*; hardy biennial.
270 **Adlumia cirrhosa**, flesh-colored; 15 ft. \$0.10

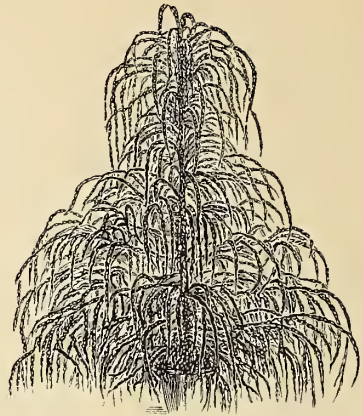
AGERATUM.
Splendid plants for large clumps or masses, as well as for in-door blooming during Winter; very useful for cut flowers; half-hardy annuals.
276 **Ageratum imperiale dwarf**, blue, 1 ft. .10
277 — **Lasseauxii**, pink; 1½ ft. .10
278 — **Mexicanum**, lavender blue; 2 ft. .05
279 — **album**, white; 2 ft. .05
280 — **Wendland's dwarf**, white; ½ ft. .10

AGROSTEMMA.
Handsome, free-flowering, attractive border plants; at home in any garden; excellent for cut flowers; hardy perennial.
286 **Agrostemma cœli rosea**, rose; 1 ft. .05
287 — **alba**, white; 1½ ft. .05
288 — **hybrida fl. pl.** double; very showy. .10

ALONSOA.
Handsome bedding plants, succeeding well in any good garden soil, freely producing flowers of great brilliancy from early Summer until frosts, valuable for in-door decoration; half-hardy annual.
294 **Alonsoa grandiflora**, scarlet; 2 ft. .05
295 — **incisifolia**, orange scarlet; 2 ft. .05

ALOYSIA.
This is the well-known *Lemon Verbena*, and is chiefly cultivated for its pleasing fragrant foliage; easily grown, it is in consequence a popular favorite; half-hardy shrub.
298 **Aloysia citriodora**, lemon-scented. .25

ALYSSUM.
Free flowering, pretty little plants for beds, edgings, or rock-work. The annual varieties bloom the whole Summer, and the perennials are among our earliest and most attractive Spring flowers.
300 **Alyssum sweet**, fragrant; white; hardy annual; ½ ft. .05
301 — **Wierbeckii**, yellow and white; hardy perennial; 1 ft. .05

No. 252.—*Abronia umbellata*.No. 311.—*Amaranthus salicifolius*.

No.	AMARANTHUS.	Price.
	Ornamental foliaged plants, extremely graceful and interesting, producing a striking effect, whether grown for the decoration of the conservatory or outdoor flower garden; half hardy annuals.	
304	<i>Amaranthus Abyssinicus</i> , very effective when grown as isolated specimens; 3 ft.	\$.10
305	— <i>bicolor ruber</i> , foliage green, shaded with red and sometimes pointed yellow; 3 ft	.05
306	— <i>caudatus</i> (<i>Love Lies Bleeding</i>), red drooping panicles of flowers; handsome; 3 ft	.05
307	— <i>cruentus</i> (<i>Prince's Feather</i>), crimson; highly ornamental; 3 ft.	.05
308	— <i>Henderi</i> , varied colors; very brilliant; one of the best; 3 ft.	.15
309	— <i>melaucholicus ruber</i> , rich resplendent carmine foliage; 1 ft.	.10
310	— <i>Princess of Wales</i> , foliage carmine, orange green, and bright yellow, beautifully blended; very handsome; 3 ft.	.15
311	— <i>salicifolius</i> , scarlet, bronzy green foliage; graceful drooping habit; 3 ft.	.10
312	— <i>tricolor</i> (<i>Joseph's Coat</i>), foliage scarlet, yellow, and green; beautiful; 1½ ft.	.05
318	— <i>Collection</i> of 12 distinct varieties	.75

AMMOBIUM.

Useful for dried bouquets and Winter decorations; a showy border plant; half-hardy perennial.

322	<i>Ammobium alatum</i> , white; 2 ft.	.05
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ANAGALLIS.

Valuable for small beds, edgings, rustic baskets, vases, or rock-work; half-hardy annuals.

326	<i>Anagallis</i> , fine mixed.	.10
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ANCHUSA.

Remarkably effective border plants; growing freely in shaded situations; excellent for shrubberies or the wild garden; hardy perennial.

330	<i>Anchusa Italica</i> , intense blue; 4 ft.	.05
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ANEMONE.

These rank among the earliest and brightest of our Spring flowers, and succeed well in any sunny situation, with rich light loam; hardy perennial.

334	<i>Anemone coronaria</i> , mixed; ½ ft.	.10
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ANTIRRHINUM.

The Antirrhinum, popularly called *Snap-dragon*, is one of our most showy and useful border plants; half-hardy perennials.

340	<i>Antirrhinum majus album</i> , white.	.05
341	— — <i>brilliant</i> , crimson, white throat.	.05
342	— — <i>caryophylloides</i> , splendid striped	.05

No.	ANTIRRHINUM.—Cont'd.	Price.
343	<i>Antirrhinum majus firefly</i> , orange, scarlet, and white	\$.05
344	— — <i>nigrescens</i> , deep crimson; 2 ft.	.05
345	— <i>nanum album</i> , white, 1 ft.	.05
346	— — <i>luteum</i> , bright yellow, 1 ft.	.05
347	— — <i>kermesina splendens</i> , crimson; 1 ft	.05
348	— — <i>picturatum</i> , shaded, marbled and striped flowers of surprising beauty	.25
349	— — <i>striatum</i> , striped; 1 ft	.05
353	— <i>dwarf</i> , many varieties mixed.	.10
354	— <i>tall</i> , many varieties mixed	.10
355	— <i>Collection</i> of 8 distinct colors	.60

AQUILEGIA (Columbine).

A class of highly ornamental plants, its varieties combining at once, flowers the most curious in form with colors the most striking and beautiful; hardy perennials.

360	<i>Aquilegia alba plena</i> , white; 2 ft.	.10
361	— <i>Californica hybrida</i> , a new variety; center petals golden yellow, sepals and spurs deep orange red; 2 ft.	.25
362	— <i>chrysantha</i> , golden yellow; 2 ft.	.10
363	— <i>caryophylloides</i> , double, splendid striped varieties; 2 ft.	.05
364	— <i>cœrulea hybrida</i> , violet, blue, and yellow; fine; 2 ft.	.15
365	— <i>Durandii</i> , double, variegated; 1½ ft.	.10
366	— <i>glandulosa</i> , blue, tipped white; 1½ ft.	.10
367	— <i>Skiuenerii</i> , scarlet and yellow; 1½ ft.	.10
368	— <i>finest mixed</i>	.10
372	— <i>Collection</i> of 6 distinct varieties	.50

ARABIS.

An early Spring-flowering plant, indispensable and exceedingly effective for rock-work, edgings, etc.; hardy perennial.

375	<i>Arabis alpina</i> , pure white; ¾ ft.	.10
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ARCTOTIS.

Handsome, free-flowering plants of close compact dwarf habit, with large, beautiful flowers that continue the whole summer. Some of the varieties have the under surface of their leaves covered with a close white wool, which with the form of the leaves gives them a peculiar appearance. Will bloom first season, although they are half-hardy perennials.

378	<i>Arctotis breviscapa</i> , deep orange, with dark crimson center; ½ ft.	.10
379	— <i>grandiflora argentea</i> , silvery foliage, with large yellow, crimson-centered flowers; a desirable variety; ½ ft.	.10



No. 368.—*Aquilegia*.



No. 424.—*Aster, Victoria*.

No. ARGEMONE. Price.
 Remarkably distinct plants, both in flower and foliage; their large poppy-like flowers are very effective in the border; hardy annuals.
 384 *Argemone grandiflora*, white; 2 ft. \$0.05
 385 — *Mexicana*, yellow; 2 ft.05

ARISTOLOCHIA.

Highly ornamental and attractive climber, with curious horn-shaped flowers, on account of which it is frequently called "*Dutchman's Pipe*"; trained against the house or piazza, the effect of its massive foliage is matchless; hardy perennial.
 388 *Aristolochia siph*, rich purple; 30 ft. .10

ASPARGUS (Climbing).

The finest of all the hardy climbers; it has the beautiful feathery foliage of the ordinary asparagus in the form of a graceful running vine; invaluable for decorative purposes; hardy perennial.
 390 *Asparagus climbing*, bright red berries; very desirable; 10 ft.25

ASPERULA.

A charming, profuse-blooming little plant, bearing clusters of fragrant flowers, admirably adapted for bonquet-making; hardy annual.
 398 *Asperula azurea setosa*, blue; 1 ft.10

ASTER.

For beauty and variety of habit, form, and color, the Aster stands unrivaled, and of all flowers is best adapted to gratify the taste and win the admiration of every lover of floral beauty. It is not only one of the most popular, but also one of the most effective of our garden favorites, producing, in profusion, flowers in which richness and variety of color are combined with the most perfect and beautiful form; half-hardy annuals.

400 *Aster, Cocardeau or Crown*, large white-centered flowers; attractive and beautiful; mixed colors; 1½ ft.10
 401 — — *Collection of 6 distinct colors*.60
 402 — *Dwarf Chrysanthemum*, immense flowers; free bloomer; mixed colors; ¾ ft.15
 403 — — *Collection of 12 distinct colors*.90
 404 — *Dwarf Pyramidal Bonquet*, so profuse in bloom that the foliage is completely hidden with flowers; mixed colors; 1 ft.10
 405 — — *Collection of 8 distinct colors*.60
 406 — *Giant Emperor*, immense brilliant flowers, very double; mixed colors; 2 ft.15
 407 — — *Collection of 8 distinct colors*.90

No. ASTER.—Cont'd. Price.

408 *Aster, Half Dwarf white*, one of the most useful varieties, where white flowers are desired; 1 ft. \$0.20
 409 — *Hedgehog, Porcupine, or Needle*, a grand variety, with large massive flowers, the petals of which are long, quilled and sharply pointed; mixed colors; 2 ft.10
 410 — *Imbricé Pompon*, exquisitely formed small flowers; mixed colors; 1½ ft.10
 411 — — *Collection of 12 distinct colors*90
 412 — *Pæony-flowered Globe*, very early variety, vigorous habit, and large flowers, very double; mixed colors; 2 ft.10
 413 — *Quilled German Improved*, a branching large-flowered variety; an old favorite; mixed colors; 2 ft.10
 414 — — *Collection of 12 distinct colors*60
 415 — *rose-flowered*, a beautiful variety, flowers regularly imbricated, brilliant and very double; mixed colors; 2 ft.15
 416 — — *Collection of 10 distinct colors*.60
 417 — *Schiller*, a late dwarf bonquet Aster, very double, and a profuse bloomer; 1½ ft.15
 418 — *Truffaut's French Pæony-flowered Perfection*. This is the most perfect type of the Pæony-flowered Asters; the habit of the plant is excellent, the flowers are perfect in quality and form, while in size and colors they are beautiful; choice mixed; 1½ ft.25
 419 — — *pure white*, very desirable for bridal or funeral decorations, or for culture in cemeteries.25
 420 — *German Pæony-flowered*, extra fine, mixed.10
 421 — — *Collection of 18 distinct colors*. 1.25
 422 — — *Collection of 12 distinct colors*.90
 423 — — *Collection of 8 distinct colors*.65
 424 — *Victoria*, of vigorous habit, pyramidal form; flowers very large, beautifully imbricated, and freely produced; mixed colors; 1½ ft.15
 425 — — *white, tinted with rose*, a new delicately colored variety, the young flowers of which are particularly charming and well adapted for bonquet-making.25
 426 — — *Collection of 12 distinct colors*. 1.00
 427 — *Washington*, without exception the largest Aster in cultivation, the flowers being frequently 4 to 5 inches in diameter, and of perfect form; mixed colors; 2 ft.25
 428 — — *Collection of 4 distinct colors*.60
 429 — *choice mixed*, all sorts.10
 430 — *fine mixed*, all sorts.05



GROUP OF FRENCH AND GERMAN ASTERS.
Two-thirds the average size.

Page 9.

1.—Truffaut's French Pæony-flowered Perfection. No. 418.
2.—Quilled German Improved. No. 413.

3.—Imbrique Pomponne. No. 410.
4.—Cocardeau or Crown. No. 400.
5.—Dwarf Chrysanthemum-flowered. No. 402.
6.—Rose-flowered. No. 415.



No. 452.—Balloon Vine.



No. 481.—Bocconia Japonica.

AUBRIETIA. *Price.*

A charming early free-flowering plant, sometimes called *Blue Alyssum*; indispensable for edgings, rock-work, or small beds; hardy perennial.

- 440 *Aubrietia deltoidea*, rosy lilac; $\frac{1}{2}$ ft. . . \$0.10

AURICULA.

A well-known garden favorite of great beauty, succeeding best in a northern aspect; half-hardy perennials.

- 444 *Auricula alpina*, various colors; $\frac{1}{2}$ ft. . . .15
 445 — *English Hybrids*, green-edged, etc.; saved from prize flowers; $\frac{1}{2}$ ft.25

AZALEA.

Amongst the most beautiful and ornamental of our greenhouse and hardy shrubs; requires careful management until well established.

- 448 *Azalea indica*, saved from finest greenhouse varieties; 4 ft.25
 449 — *pontica*, hardy varieties; 4 ft.25

BALLOON VINE (Cardiospermum).

A rapid-growing, handsome climber, with an inflated membranous capsule, from which it derives its name: half-hardy annual.

- 452 *Balloon vine*, white; 5 ft.10

BALSAM.

Magnificent conservatory or outdoor plants, producing their gorgeous masses of beautiful brilliant-colored flowers in the greatest profusion. The soil in which they are grown should be of the richest possible character; the plants should be set fifteen inches apart, securely staked, and receive frequent waterings of manure-water; tender annuals.

- 455 *Balsam alba plena*, double white; 2 ft. . .10
 456 — *atrosanguinea plena*, double red; 2 ft .10

The above two varieties are unsurpassed for florists' use.

- 457 — *Camellia-flowered*, mixed; 2 ft. . . .10
 458 — — *Collection* of 12 distinct colors. . .75
 459 — *dwarf double*, mixed colors; $1\frac{1}{2}$ ft. .10
 460 — *rose-flowered*, mixed colors; 2 ft. . .10
 461 — *Smith's Prize*, from a celebrated English collection; large and double; 2 ft. . .25

- 462 — — *Collection* of 9 distinct colors. . .1.00
 463 — *solferino*, very beautifully striped and streaked with lilac and scarlet; 2 ft. . .15
 464 — *white Perfection*, new double Camellia-flowered variety; immense pure white flowers of the most perfect form25
 468 — *fine mixed*05

BARTONIA. *Price.*

An effective plant for borders and beds, producing a profusion of metallic yellow flowers showing well above the downy thistle-like foliage, and appearing exceedingly brilliant in the sunshine; hardy annual.

- 470 *Bartonia aurea*, golden yellow; $1\frac{1}{2}$ ft. . \$0.05

BEGONIA.

A beautiful tribe of plants, resplendent during the Summer months, with their flowers of various shades of scarlet, crimson, rose, etc., and continuing in bloom until frost. Being as hardy as most of the bedding plants, and of very easy culture, they are simply indispensable where brilliancy of effect is desired. Masses on a lawn present a gorgeous aspect. They are also very desirable for pot culture.

- 472 *Begonia, tuberous-rooted*, saved from the newest English hybrids; choice mixed. .50
 Flowering bulbs, 50 cents each.

- 473 — *Frœbelli*, dazzling scarlet; $1\frac{1}{2}$ ft. . . .50
 474 — *Ne plus ultra*, flowers bell-shaped; gracefully pendulous; blooms profusely. . .50
 475 — *Rex hybrida*, beautiful, variegated foliage, for pot culture.25

BELVIDERE (Summer Cypress).

A rapid-growing, highly ornamental and extremely graceful Cypress-like plant, admirably adapted for the decoration of cemeteries; hardy annual.

- 478 *Belvidere (Kochia scoparia)*; 4 ft.05

BIGNONIA (Trumpet Vine).

Magnificent hardy deciduous climber, with brilliant flowers; deserving first place as the most ornamental and effective covering for walls, houses, etc.; hardy perennial.

- 480 *Bignonia radicans*, scarlet; 30 ft.25

BOCCONIA.

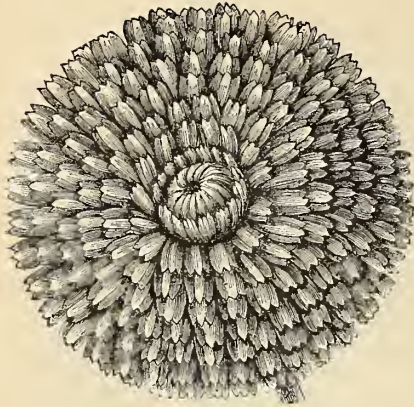
Ornamental foliage plants, exceedingly effective as single specimens on lawns or in borders; hardy perennials.

- 481 *Bocconia Japonica*, produces racemes of bloom from 2 to 3 feet long.10

BRACHYCOME (Swan River Daisy).

Beautiful free-flowering dwarf-growing plants, covered during the greater portion of the Summer with a profusion of pretty Centaurea-like flowers; very effective as edgings, in small beds, rustic baskets, or for pot-culture; half-hardy annuals.

- 494 *Brachycome iberidifolia*, blue; $\frac{1}{2}$ ft. . .10
 495 — — *albiflora*, white; $\frac{1}{2}$ ft.10



No. 526.—*Calendula officinalis* Meteor.



No. 536.—*Calliopsis bicolor*.

No. **BROWALLIA.** Price.
Very handsome profuse-blooming plants, covered with rich, strikingly beautiful flowers; half-hardy annuals.

- 498 *Browallia Cerviakovskii*, blue with white center, beautiful; 1½ ft.\$0.05
- 499 — *elata alba*, white; 1½ ft.05
- 500 — *Roezlii*, azure blue or white; flowers double the size of the other species.10

CACALIA (Tassel Flower).

A beautiful and profuse-flowering genus of plants with tassel-shaped flowers, fine for mixed borders; they are of remarkably easy culture, but succeed best in rather rich soil; half-hardy annuals.

- 504 *Cacalia aurea*, golden yellow; 1½ ft.05
- 505 — *coccinea*, orange scarlet, flowering in clusters, very pretty; 1½ ft.05

CACTUS.

Extremely curious and interesting plants, many of the varieties producing magnificent flowers of the most brilliant and striking colors. They succeed best in a mixture of sandy loam, brick or lime rubbish, and a little peat or well rotted manure; greenhouse perennial.

- 508 *Cactus*, choice varieties, mixed.25

CALANDRINIA.

Very beautiful free-flowering plants, invaluable for edgings, rock-work and dry, hot banks, or similar situations; they have fleshy leaves and succulent stems, like the *Portulacca*, and produce an abundance of blossoms, which, when fully expanded, have a charming effect; they all succeed in a light rich soil; hardy annuals.

- 512 *Calandrinia speciosa*, rosy purple, a most profuse bloomer; ½ ft.05
- 513 — *alba*, a white-flowering variety of the preceding, distinct and beautiful.05

CALCEOLARIA.

Plants of a highly decorative character, indispensable for the greenhouse or the flower garden. The finer strains of *C. hybrida* are remarkable for their large, magnificently marked flowers, and are chiefly cultivated for in-door decoration; greenhouse perennials.

- 516 *Calceolaria hybrida*, choice mixed.25
- 517 — — *superba grandiflora*, beautifully spotted, large-flowered, extra select; the finest in cultivation.50
- 518 — *rugosa*, splendid shrubby varieties for bedding saved from a very fine selection, embracing a great variety of colors.50

No. **CALENDULA (Marigold.)** Price.

A very showy, free-flowering genus of plants, producing a very pretty effect in mixed borders, and growing freely in almost any soil; hardy annuals.

- 524 *Calendula officinalis* (*Garden Marigold*), fine orange; 1 ft.\$0.05
- 525 — — *Le Proust*, nankeen edged with brown; 1 ft.05
- 526 — — *Meteor*, light golden yellow, striped with intense orange; blooms from May until late in Autumn.15
- 527 — *Pongei fl. pl.*, a white hybrid Marigold, with double flowers; 1 ft.10

CALLA (Richardia).

A very handsome plant, either as an aquatic or for the ornamentation of the drawing-room and conservatory; half-hardy perennial.

- 532 *Calla Ethiopica*, white Ethiopian lily; 2 ft. (Roots 50 cents each)25

CALLIOPSIS or COREOPSIS.

Few, if any, annuals are more useful than these; the colors are rich and striking, flowers numerous and beautiful; produce a fine effect in mixed borders; hardy annuals.

- 535 *Calliopsis Atkinsoniana*, yellow and crimson; 2½ ft.05
- 536 — *bicolor* (*Tinctoria*), yellow and brown; very showy; 2½ ft.05
- 537 — *Burridgii*, deep crimson copper, with a broad margin of gold; 2 ft.05
- 538 — *coronata*, yellow, with crimson spots. .05
- 539 — *Drummondii*, yellow, dwarf; 1½ ft.05
- 540 — *marmorata*, rich crimson, brown, and yellow, singularly marbled; 2 ft.05
- 541 — *nigra speciosa*, rich crimson; 2 ft.05
- 545 — *fine mixed varieties*.05

CALLIRHOE.

An elegant genus of plants, strongly resembling the Scarlet Linum; commences to bloom when about six inches high, and presents a mass of flowers during the entire Summer; hardy annuals.

- 548 *Callirhoe involucrata*, a trailing variety, with large rich crimson-purple flowers. .10
- 549 — *pedata*, purple crimson; 2 ft.05
- 550 — *nana*, violet crimson; 1 ft.05

CAMELLIA.

Favorite Winter and Spring flowering plants of great beauty. The seed we offer being saved from a splendid collection, many valuable varieties are likely to result from it; greenhouse shrubs.

- 555 *Camellia Japonica*, various colors; 5 ft.50



Asters, Peony Flowered.
No. 418. Page 9.



Convolvulus tricolor, New Crimson
Violet.
No. 820. Page 17.



Candytuft, New Carmine.
No. 582. Page 15.



Canary Bird Flower.
No. 580. Page 15.



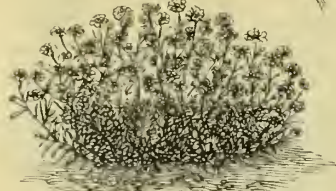
GROUP OF CARNATION, PICOTEE, PERPETUAL AND FLORISTS' PINKS.

1.—Carnation, No. 640.

2.—Picotee, No. 1810.

3.—Perpetual or Tree Carnation, No. 643.

4.—Florists' Pink, No. 1815.



No. 584.—Candytuft (Fragrant).



No. 625.—Canterbury Bells.

No. CAMPANULA. Price.
 A genus of exceedingly beautiful annuals and perennials, all of which are characterized by the richness of their colors and the profusion of their bloom.

HARDY PERENNIALS.

- 558 **Campanula carpatica**, mauve; 1 ft....\$0.05
- 559 — — **alba**, white; 1 ft..... .05
- 560 — **grandiflora**, deep purple; 2 ft..... .05
- **media** (See *Canterbury Bells*).
- 562 — — **pyramidalis**, blue, handsome; 3 ft... .05
- 563 — — **alba**, pure white; 3 ft..... .05
- 568 — **perennial varieties**, mixed..... .10

HARDY ANNUALS.

- 569 **Campanula Lorei**, purple lilac; 1 ft... .05
- 570 — — **alba**, silvery gray; 1 ft..... .05
- 571 — **pentagonia**, rich purple; ½ ft..... .05
- 572 — — **alba**, pure white; ½ ft..... .05
- 575 — **annual varieties**, mixed..... .05

CANARY BIRD FLOWER.

(*Tropaeolum peregrinum*.)

A well-known, desirable climbing plant, of rapid growth; highly ornamental foliage and a profusion of curiously shaped flowers; the habit of the plant is of a luxuriant and rambling character, and trained on even the most unsightly objects, it imparts to them a most pleasing aspect; half-hardy annual.

- 580 **Canary Bird Flower**, yellow; 10 ft... .15

CANDYTUFT.

One of the most useful border annuals, very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during winter; seed sown in Autumn will flower early in Spring, and if sown in April or May will continue in bloom until frost; indispensable for bouquets; hardy annuals.

- 582 **Candytuft, Carter's New Carmine**, distinct and beautiful, presenting one mass of vivid carmine bloom..... .15
- 583 — **Dunnettii**, rich crimson; 1 ft..... .05
- 584 — **fragrant**, pure white; 1 ft..... .05
- 585 — **hybrid Dwarf**, very floriferous; choice colors, mixed..... .15
- 586 — **purple**, 1 ft..... .05
- 587 — **rocket**, white, large trusses; 1 ft... .05
- 588 — **Tom Thumb, New White**; forms a dwarf compact cluster about 16 inches in diameter, with large clear white flower-heads; very desirable..... .15
- 589 — **white**, very desirable; 1 ft..... .05
- 594 — **fine mixed**..... .05

No. CANNA (Indian Shot). Price.
 A genus of highly ornamental plants, remarkable for their large and handsome foliage, majestic habit, and brilliant flowers. When planted in groups or masses, they impart quite a tropical aspect to the garden. Cannas are easily raised by sowing the seed early in Spring, in a strong, moist heat, when the plants are highly decorative the first season; may also be planted in the flower border in the latter part of May and June, but will not flower so early; half-hardy perennials.

- 600 **Canna Anceii**, rich crimson; 3 ft.....\$0.10
- 601 — **Bihorelli**, brown violet foliage; ½ ft .10
- 602 — **Bonetti**, red and yellow; 7 ft..... .10
- 603 — **Depute Herson**, leaves deep green, flowers sulphur and orange; 5 ft..... .10
- 604 — **indica**, red, from India; 2 ft..... .05
- 605 — **Krelagi discolor**, dark stem, large leaves, violet streaked with purplish red; 5 ft .15
- 606 — **limbata**, intense scarlet edged with yellow, very striking; 4 ft..... .10
- 607 — **Nepalensis**, foliage green, flower clear yellow, very beautiful; 3 ft..... .10
- 608 — **Warszewiczii**, brilliant red, foliage striped, from Central America; 3 ft..... .10
- 609 — **zebrina**, beautiful zebra-striped foliage; 5 ft..... .10
- 616 — **fine mixed varieties**..... .10
- 617 — **Collection of 12 distinct varieties**.... .75

Those desiring to make more effective display than can be had with plants the first season from seed, can obtain extra strong roots of all the best varieties at 25 cents each, \$2.50 per dozen.

CANTERBURY BELLS

(*Campanula Media*).

When well grown, Canterbury Bells are amongst the most attractive of border plants; they succeed in light, rich soil, and should be transplanted two feet apart; hardy biennials.

- 618 **Canterbury Bells, double blue**, 2½ ft. .10
- 619 — — **double rose**, 2½ ft..... .15
- 620 — — **white**, 2½ ft..... .10
- 621 — — **mixed**, 2½ ft..... .10
- 622 — **single blue**, 2½ ft..... .05
- 623 — — **white**, 2½ ft..... .05
- 624 — — **mixed**, 2½ ft..... .05
- 625 — **Dean's hybrids**, a splendid strain, remarkable for the size of the flowers and their diversity of color; 2½ ft..... .15
- 626 — — **calycanthema**, rich blue; 2½ ft... .15
- 627 — — — **alba**, pure white; 2½ ft..... .15

The two preceding varieties are remarkable in having the calyx the same color as the corolla, and are highly decorative, either as garden or pot plants.



No. 655.—Catchfly.

No.	CARNATION.	Price.
A magnificent class of popular favorites, most of which are deliciously fragrant, and with colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and will produce many double flowers, and amongst them many choice novelties; half-hardy perennials.		
640	Carnation , saved from choicest double flowers, very select; 1½ ft.....	\$0.50
641	— fine German , from named flowers.....	.25
642	— good mixed , for border culture.....	.15
643	— perpetual or tree , saved from choicest double flowers.....	.50
644	— fine German , from named flowers.....	.25
645	— dwarf double early flowering , a distinct variety, of compact bushy habit; 1 ft.....	.25
546	— Grenadin , a new early variety of great promise, furnishing a profusion of scarlet double flowers of great brilliancy, unsurpassed for florists' use.....	.25
650	— Collection of 12 distinct varieties... ..	1.00

CATCHFLY (Silene).

A showy free-flowering plant, for beds, borders or ribbons; succeeds in any soil; hardy annuals.

655	Catchfly , mixed colors; 1½ ft.....	.05
	— in variety (see <i>Silene</i>).	

CELOSIA (Cockscomb).

Magnificent, free flowering, graceful growing plants, producing in the greatest profusion spikes of the most beautiful feathery flowers. Plants of the Celosia flower freely if planted out in June in light soil, not too rich; grown in pots, they are the most elegant of greenhouse and conservatory plants; half-hardy annuals.

660	Celosia argentea , silvery white, shaded with rose; elegant; 3 ft.....	.10
661	— Huttonii , a beautiful, dark foliage bedding or greenhouse plant.....	.15
662	— Japonica (Japanese Cockscomb) . The combs are almost as delicately cut as ruffled lace, while the colors are the brightest imaginable.....	.10
663	— cristata nana , choice mixture of the newest dwarf crested varieties, embracing the most brilliant colors.....	.10
665	— Glasgow Prize , a splendid distinct dwarf variety, with dark foliage and crimson combs.....	.25
670	— pyramidalis , choice mixture of all the plumed or feathered sorts.....	.10
675	— Collection of 8 splendid varieties.....	.75



No. 715.—Chrysanthemum tricolor.

No.	CENTAUREA.	Price.
Showy, hardy plants; many of the varieties have beautiful silvery foliage, and are indispensable for ribbon bordering or carpet bedding.		
686	Centaurea Americana , lilac purple; showy; hardy annual; 2 ft.....	\$0.05
688	— depressa , blue, red center, large flowers; hardy annual; 1 ft.....	.05
689	— candidissima , silvery-leaved plant for beds, ribbons, vases, baskets and pots; half-hardy perennial; 1 ft.....	.25
690	— Clementei , elegant, deeply cut foliage, covered with a snowy white down; handsome; hardy perennial.....	.25
691	— gymnocarpa , a graceful silvery-leaved variety, for bedding or pot culture; half-hardy perennial; 1 ft.....	.15
	— Moschata (see <i>Sweet Sultan</i>).	

CENTRANTHUS.

Very pretty, free flowering, compact growing plants, very effective in beds, ribbons, or as an edging; their transparent stem, delicate branches and light glaucous leaves render them very beautiful; grow freely in any common garden soil; natives of Grenada; hardy annuals.

696	Centranthus , mixed colors; 2 ft.....	.05
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CERASTIUM.

Silvery-foliaged plants, admirably adapted for edgings, rock-work, etc.; so profuse and pure white are the flowers that the plant is frequently termed "*Snow in Summer*"; hardy perennials.

700	Cerastium Biebersteinii , silvery foliage; ¼ ft.....	.10
701	— tomentosum , similar to the preceding, but smaller foliage; ¼ ft.....	.10

CHAENOSTOMA.

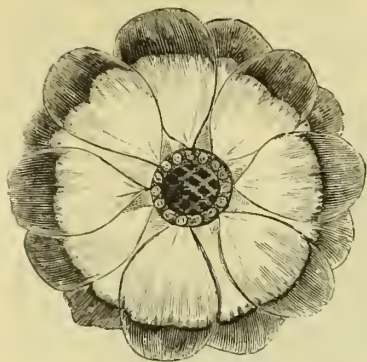
These are charming little compact-growing plants, admirably adapted for the summer decoration of the flower garden; may be successfully used as edgings or in rustic baskets; half-hardy perennial.

703	Chaenostoma , many colors mixed.....	.05
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CHAMÆPEUCE.

Singularly beautiful, thistle-like plants; for borders are highly picturesque, while for centers of beds they are simply unique; half-hardy biennials.

705	Chamæpeuce cassabonæ (Fish-bone Thistle) , glossy dark green foliage, covered with curious hairy spines; 1½ ft.....	.10
706	— diantha , handsome variegated foliage and yellow flowers; 1½ ft.....	.10



No. 731.—Cineraria, Extra Choice.



No. 745.—Clarkia elegans.

No. **CHELONE.** Price.

Beautiful hardy, herbaceous plants, with showy Penstemon-like flowers, very effective in centers of beds, or groups in mixed borders; thrive in any rich soil; hardy perennial.

710 *Chelone barbata*, scarlet; 3 ft.\$0.05

CHINESE PRIMROSE.

(See *Primula*.)

CHOROZEMA.

Desirable plants for the greenhouse, combining flowers of the most beautiful description with gracefulness of habit and great profusion of bloom. Soak the seeds in warm water a few hours before sowing; greenhouse shrubs.

712 *Chorozema*, finest mixed. 25

CHRYSANTHEMUM.

The fall, double-flowered, annual Chrysanthemums, when well grown, are amongst the most showy and effective of Summer-flowering border plants; to allow for individual development, they should be thinned out from twelve to eighteen inches apart. The dwarf kinds make showy bedding plants; hardy annuals.

715 *Chrysanthemum tricolor*, white with yellow band; very showy; 1 ft.05

716 — *Burridgeanum*, white with crimson band; beautiful; 1 ft.05

717 — *Dunnettii album fl. pl.*, immense double snow-white flowers; 1 ft.10

718 — *arvenum fl. pl.*, large double golden-yellow flowers; 1 ft.10

719 — *frutescens* (*Marquette* or *Paris Daisy*). The white, star-like flowers of this variety, so popular for decorative purposes, are freely produced under the most ordinary culture; 1½ ft.20

720 — *Lord Beaconsfield*, crimson maroon edged and striped with a golden rim surrounding a rich brown eye.15

721 — *The Sultan*, rich velvety crimson maroon, with golden rim surrounding a dark brown center.15

The following are the well-known half-hardy perennial varieties so extensively grown in pots for late Autumn and early Winter flowering; no one should be without them:

725 *Chrysanthemum Indicum*, mixed; 3 ft. .25

726 — — *nannum* (*Dwarf Pomponne*), mixed. .25

727 — *Japonicum*, quite distinct from the old varieties in the style of the flowers, which are of a peculiar form, in a great variety of colors.25

No. **CINERARIA.** Price.

Well-known favorite, free-flowering plants for the greenhouse, which may be had in splendid bloom through the greater portion of the year; and from the richness and diversity of the colors, are among the most valuable of our early Spring flowers; succeed best in light, rich, free, and open soil; greenhouse perennials.

730 *Cineraria dwarf*, a new German strain of compact growth, highly recommended.\$0.25

731 — *extra choice*, from prize flowers; this strain is unsurpassed in quality.50

732 — *fine mixed*, good colors.25

733 — *new double*, representing every shade of color, unquestionably one of the best of recent introductions. 1.00

734 — *pure white*, for purity of color and size of flower it is unequalled.75

The following half-hardy perennial varieties of *Cineraria* are desirable for bedding and other purposes for which *Centaurea* is recommended.

740 *Cineraria acanthifolia*, silvery leaves, beautifully cut; 1 ft.15

741 — *maritima*, silvery foliage; 1½ ft.10

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; hardy annuals.

745 *Clarkia elegans*, rosy purple; 2½ ft.05

746 — — *alba*, white; 2 ft.05

747 — — *alba plena*, double, pure white.10

750 — *integripetala Tom Thumb*, rose crimson; 1 ft.05

751 — — *alba*, white; 1 ft.05

752 — — *marginata*, magenta, edged white; 1 ft.05

756 — *pulebella*, deep rose; 1½ ft.05

757 — — *fl. pl.*, double, rich magenta.10

758 — *fine mixed*, double and single.05

CLEMATIS.

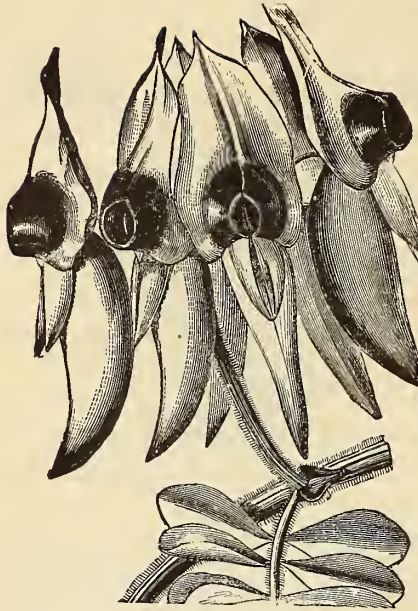
Well-known rapid-growing, free-flowering, ornamental climbing shrubs, some of which are fragrant; admirably adapted for covering arbors, verandas, etc.; they succeed well in any good garden soil; hardy climbers.

765 *Clematis cirrhosa*, literally covers itself with white fragrant flowers.10

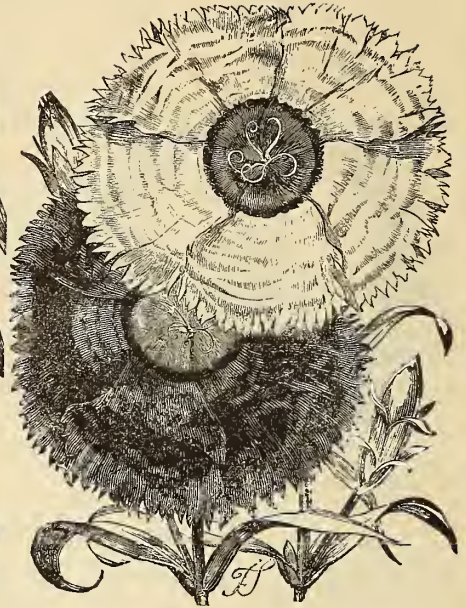
766 — *flammula*, white, fragrant; 20 ft.10

767 — *hybrida*, from Jackson's hybrids, the best of all Clematis.20

768 — *viticella*, purple; 20 ft.10



No. 775.—*Clianthus Dampieri*.



Nos. 929 and 930.—*Dianthus*, *Crimson Belle* and *Eastern Queen*.



No. 1005.—*Eschscholtzia Mandarin*.



No. 670.—*Celosia pyramidalis*.



No. 785.—*Cobæa scandens*.



No. 820.—*Convolvulus tricolor*.

CLIANTHUS. *Price.*
 One of the most beautiful plants in cultivation, with neat compound leaves, and drooping clusters of large, rich scarlet, pea-shaped flowers, each flower being picturesquely marked with a large, black, cloud-like blotch in front; half-hardy shrub.
 775 *Clianthus Dampierii*, magnificent; 3 ft. \$0.25

CLINTONIA.
 Charming neat little Lobelia-like plants, producing a fine effect as edgings or on rock-work, in rustic baskets, vases, etc.; half-hardy annuals.
 778 *Clintonia*, mixed colors; ½ ft. .10

COBÆA.
 A magnificent rapid-growing climber, with beautiful foliage and large bell-shaped flowers; trained on piazzas, arbors, etc., the effect is grand; half-hardy perennial.
 785 *Cobæa scandens*, purple lilac; 20 ft. .10

COLEUS.
 For the adornment of the greenhouse and sitting-room this plant is in great demand, and is also among the most popular plants for the flower-garden, either for groups, ribbon borders, or as single specimens.
 790 *Coleus*, saved from the newest and most showy varieties; 2 ft. .50

COLLINSIA.
 An exceedingly pretty, free-flowering, popular genus, remarkably attractive in beds, mixed borders, or ribbons; hardy annuals.
 795 *Collinsia bicolor*, purple and white; 1 ft. .05
 796 — *alba*, pure white; 1 ft. .05
 798 — *multicolor marmorata*, white and rose; 1 ft. .05
 800 *fine mixed*. .05

CONVOLVULUS MAJOR
 Morning Glory.
 A well-known and beautiful free-flowering class of climbers, with brilliant and varied colored flowers, growing freely in almost any situation, and producing a splendid effect when grown on rock-work, stumps of trees, or banks, and when trained over trellis, rustic work, or against rough fences; hardy annuals.
 810 *Convolvulus major*, blue. .05
 811 — *crimson*. .05
 812 — *striped*. .05
 813 — *white*. .05
 818 — *mixed*. .05
 819 — *Collection of 10 distinct colors*. .50

CONVOLVULUS TRICOLOR
 Dwarf Convolvulus.

Remarkably showy plants, with exceedingly handsome, rich-colored flowers, producing in beds and mixed borders an unusually brilliant effect, either in distinct colors, ribboned, or mixed; hardy annuals.

820 *Convolvulus tricolor*, crimson violet. Flowers have a brilliant yellow eye encircled with a band of snowy white, margined with rich crimson violet. . \$0.10
 821 — — *moustrousus*, deep violet purple. .05
 822 — — *splendens*, rich violet, with white center. .05
 823 — — *striped*, blue, beautifully striped with white, trailer. .05
 824 — *Mauritanicus*, beautiful for hanging baskets and vases, flowers blue, very floriferous; hardy perennial. .15
 825 — *unicaulis*, upright growth, with a compact head of flower buds, blossoms of rich purplish blue. .10
 826 — *white*. .05
 830 *fine mixed varieties*. .05

COWSLIP.
 Favorite, early, free-flowering plants, which should be extensively grown for filling the beds and borders of the Spring flower-garden; succeed best in rich soil; hardy perennials.
 840 *Cowslip*, fine mixed varieties; ¼ ft. .10

CUCUMIS AND CUCURBITA.
 (See under Ornamental Gourds).

CUPIHEA.
 A highly decorative plant, equally well adapted for the ornamentation of the conservatory or the flower border.
 845 *Cuphea platycentra*, scarlet, white, and purple; half-hardy perennial; 1 ft. .10
 846 — *purpurea*, rosy scarlet, purple calyx, elegant; half-hardy annual; 1 ft. .10
 847 — *choice mixed*. .10

CYANUS (Centaurea).
 Better known as *Bachelors' Buttons* and *Corn Flower*. Ornamental plants for shrubberies and mixed borders, and exceedingly useful where cut flowers are in demand; growing in any common soil; hardy annual.
 850 *Cyanus*, mixed colors, viz., blue, pink, rich purple and striped; 1½ ft. .05



No. 856.—*Cyclamen Persicum*.
Wiggins Prize.



No. 888.—*Datura fastuosa* Huberiana
varietates.

No.	CYCLAMEN.	Price
A genus of the most beautiful and elegant Winter and Spring blooming plants, for pot culture in parlor or conservatory, universally admired. If sown early in Spring under glass, and well grown, will make flowering bulbs in one year.		
855	<i>Cyclamen Persicum</i> , fine mixed.....	\$0.25
856	— <i>Wiggins prize</i> , very robust in habit, rich in color.....	.50
857	— <i>gigantenum</i> . An improved type, with broad, beautifully mottled leaves, immense flowers of great substance, pure white with violet-purple eye.....	.75
858	— <i>choice mixed</i> , including those varieties that are hardier than <i>Persicum</i> , many of which are charming both in flower and foliage, and delightfully fragrant.....	.25

CYCLANTHERA.

A free-growing climber with handsome foliage and pretty oval-shaped fruit, exploding when ripe; half-hardy annual.

865	<i>Cyclanthera explodens</i> , 10 ft.....	.10
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CYPRESS VINE (*Ipomea Quamoclit*).

One of the most popular of all Summer climbers; flowers small, thickly set in a most beautiful dark-green foliage, forming a striking contrast; half-hardy annuals.

868	<i>Cypress Vine</i> , crimson, brilliant; 10 ft.....	.05
869	— <i>rose</i> , very delicate.....	.05
870	— <i>white</i> , for cemeteries.....	.05
871	— <i>scarlet ivy-leaved</i> , graceful climber of rapid growth; the flowers, which are of fiery scarlet, are produced in great profusion during the whole summer.....	.10

DAHLIA.

Admirers of this noble plant may confidently depend upon the quality of this seed, it having been saved from the best varieties in cultivation; of various heights and colors; half-hardy perennial bulbs.

875	<i>Dahlia</i> , fine mixed.....	.10
876	— <i>extra fine</i> , from prize flowers.....	.25
877	— <i>new Lilliput</i> , dwarf, very beautiful.....	.25

DAISY (*Bellis Perennis*).

A well-known and favorite plant for the border or pot culture; half-hardy perennial.

880	<i>Daisy, double white</i> , pure white flowers, valuable for florists; $\frac{1}{2}$ ft.....	.25
881	— <i>mixed</i> , saved from double flowers; $\frac{3}{4}$ ft.....	.25

No. DATURA (*Trumpet Flower*), Price.

An ornamental genus of plants, many of which possess attractions of the highest order. In large clumps or borders of shrubbery, they produce an excellent effect. The roots may be preserved in sand through the Winter in a dry cellar; half-hardy perennials.

884	<i>Datura atroviolacea plenissima</i> , almost black, inside beautiful light purple.....	\$0.10
885	— <i>ceratocaulon</i> , satin white, striped purple, sweet-scented, 2 ft.....	.10
886	— <i>chlorantha fl. pl.</i> , golden yellow, fragrant; 2 ft.....	.10
887	— <i>fastuosa alba</i> , pure white, double; 2 ft.....	.10
888	— — <i>Huberiana varietates</i> , splendid, mixed, from new varieties.....	.25
889	— <i>meteloides (Wrightii)</i> , white bordered lilac, handsome; 2 ft.....	.10

DELPHINIUM

(Perennial Larkspur).

Plants remarkable for their great beauty, diversity of shades, and highly decorative qualities. They differ greatly in habit of growth, some producing magnificent spikes of flowers, while others are dwarf and completely covered with bloom. The principal color is blue, shading from the softest celestial to the darkest purple, while all are more or less shaded or marked with some other color.

(For annual varieties, see Larkspur.)

900	<i>Delphinium caelestinum</i> , blue; 2½ ft.....	.10
901	— <i>elatum (Bee Larkspur)</i> , blue; 5 ft.....	.05
902	— <i>formosum</i> , rich dark blue, with white center; 2½ ft.....	.10
903	— <i>hybridum fl. pl.</i> double, mixed.....	.10
904	— <i>nudicaule</i> , varying in color from light scarlet to a shade verging on crimson; very brilliant; 1½ ft.....	.25
905	— <i>siuensis</i> , choice mixed.....	.10

DIANTHUS.

A magnificent genus, which embraces some of the most popular flowers in cultivation. *D. Chinensis* and its varieties may be considered the most beautiful and effective of our hardy annuals; the double and single varieties, with their rich and varied colors in heds or masses, are remarkably attractive; while the recently introduced varieties, with their large, richly colored flowers, close, compact habit, and profusion of bloom, are unsurpassed for effectiveness in heds or mixed borders.



No. 902.—*Delphinium formosum*.



No. 916.—*Dianthus Chinensis fl. pl.*

No. DIANTHUS.—Cont'd. Price.

ANNUAL AND BIENNIAL VARIETIES.

915	<i>Dianthus Chinensis</i> (<i>China</i> or <i>Indian Pink</i>), single, many colors mixed; showy.....	\$.05
916	— — fl. pl. , a splendid mixture; producing a large proportion of double flowers.....	.10
917	— Heddewigii , color varies from the richest velvety crimson to the most delicate rose; a magnificent variety; 1 ft.....	.10
918	— — fl. pl. , double variety of the preceding, very showy; 1 ft.....	.15
919	— — diadematus, fl. pl. , of dwarf, compact habit, of various tints of rose, maroon, and purple, one of the best of its species; 1 ft.....	.15
920	— — laciniatus , beautifully fringed, finest colors mixed; 1 ft.....	.10
921	— — fl. pl. , a double variety of the preceding, in splendid colors; 1 ft.....	.15
922	— — imperialis, fl. pl. (<i>Double Imperial Pink</i>), many colors mixed.....	.10
928	— choice dwarf varieties, mixed.....	.10
929	— Crimson Belle , vivid crimson-lake flowers, large and beautifully laced; 1 ft....	.25
930	— Eastern Queen , beautifully marbled, unique and attractive; 1 ft.....	.25

PERENNIAL VARIETIES.

931	<i>Dianthus atrorubens</i> , dark red; 1 ft.....	.10
	— barbatus (<i>see Sweet William</i>).	
932	— deltoides , pink and white mixed, showy, fine for edging; ½ ft.....	.05
933	— dentosus , a mass of pretty rosy-lilac flowers, a perfect gem; 1 ft.....	.10
934	— Gardnerianus , various colored, finely fringed, double flowers, fragrant.....	.10
935	— Moschatus, fl. pl. (<i>Double Garden Pink</i>), saved from choice double varieties....	.25
940	— choice mixed perennial varieties.....	.10
942	— Collection of 12 distinct varieties.....	.60

DIDISCUS.

A pretty plant, from Australia; half-hardy annual.
 950 *Didiscus cœruleus*, blue; 1½ ft..... .05

DIGITALIS (Foxglove).

Very ornamental and exceedingly showy plants for shrubberies and other half-shady places; hardy perennials.

954	<i>Digitalis alba</i> , pure white; 3 ft.....	.05
955	— lutca , golden yellow; 3 ft.....	.05
956	— purpurea , purple, spotted; 3 ft.....	.05
957	— gloxinoides , splendid large-flowered variety; brilliant colors, mixed; 4 ft.....	.10

No. DOLICHOS (Hyacinth Bean). Price

A beautiful class of quick-growing ornamental climbers, often growing fifteen to twenty feet in a season; producing an abundance of clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed-pods; tender annuals.
 963 *Dolichos lablab*, purple..... \$.05
 969 — — **alba**, white..... .05

ECCREMOCARPUS (*Calamellis*)

A rapid-growing plant, with compact and pretty foliage, from which issue numerous clusters of handsome tube-shaped flowers; invaluable for covering the stumps of old trees, unsightly walls, etc.; half-hardy perennial.
 975 *Eccremocarpus scaber*, orange; 10 ft. .10

ECHEVERIA.

Very popular plants for bedding or pot culture, their large, massive, succulent, peculiarly colored leaves never failing to engage attention. A group composed of the different varieties can be made one of the most attractive spots in the flower garden.
 977 *Echeveria metallica*, broad, large, succulent leaves, beautifully shaded with a purplish glaucous blue..... .50
 978 — **secunda glauca**, silvery-gray foliage; handsome..... .50

EPACRIS AND ERICA.

Well-known, beautiful and interesting greenhouse shrubs, their profusion of bloom rendering them very effective.
 985 *Epacris, mixed*, saved from finest varieties; 3 ft..... .25
 986 *Erica* (*Cape Heaths*), saved from choicest greenhouse varieties; 2 ft..... .25

ERYSIMUM.

Very showy, free-flowering, handsome, hardy annuals, very effective in beds, mixed borders, or ribbons; succeed in light rich soil.
 990 *Erysimum Arkansanum*, sulphur yellow, very handsome; 1½ ft..... .05
 991 — **Peroffskianum**, orange; 1½ ft..... .05

ERYTHRINA.

A splendid genus of half-hardy shrubs, with fine leaves and beautiful brilliant scarlet flowers; they grow freely out-of-doors if planted in a warm situation.
 995 *Erythrina corallodendron* (*Coral Tree*), scarlet; from West Indies; 6 ft..... .25
 996 — **crista-galli**, scarlet; from Brazil..... .25



No. 957.—*Digitalis gloxinoides*.



No. 1034.—Forget-me-not.

No. **ESCHSCHOLTZIA.** Price.

An exceedingly showy, profuse-flowering genus of plants, with extremely rich and beautiful colors; attractive for bedding, massing, or ribboning; light rich soil; hardy annuals.

- 1000 **Eschscholtzia Californica**, bright yellow, with rich orange center; 1 ft. \$0.05
- 1001 — **alba fl. pl.**, a new double white variety of remarkable beauty.25
- 1002 — **carminea** (*grandiflora rosca*), a charming variety, with large flowers of intense carmine; blooms until late in the Fall. .25
- 1003 — **crocea**, rich orange; 1 ft.05
- 1004 — **alba**, creamy white; ½ ft.05
- 1005 — **Mandarin**. The inner side of the petals is of a rich orange color; the outer side being the brilliant scarlet known as the mandarin scarlet.15
- 1010 — **mixed colors**.05

ETERNAL OR EVERLASTING FLOWERS.

Ornamental border plants, the blossoms of which are extensively used for Winter bouquets; hardy annuals. (*See Helichrysum, etc.*)

- 1020 **Eternal flowers**, many varieties and species mixed.10
- 1021 — **Collection**, twelve distinct varieties. .75

EUPHORBIA.

A showy border plant, with foliage veined and margined with white; very attractive; hardy annual.

- 1015 **Euphorbia variegata**, white.05

EUTOCA.

Showy and free-flowering plants, from California, suitable for beds or mixed borders; hardy annuals.

- 1018 **Eutoca multiflora**, pink, a profuse bloomer; 1½ ft.05
- 1019 — **viscida**, bright blue; 1 ft.05

FENZLIA.

A splendid profuse-flowering neat little plant, gracefully beautiful for pot culture, and very effective in beds; requires considerable moisture; hardy annuals.

- 1024 **Fenzlia dianthiflora**, rosy lilac; ¾ ft. .25

FERNS.

This graceful and magnificent order is too well known and highly appreciated to need description; from the seed we offer the amateur has the certainty of raising many graceful varieties.

- 1028 **Ferns**, mixed, from choicest varieties. .25

No. **FORGET-ME-NOT** (*Myosotis*). Price.

A favorite and well-known border plant, flowers early, blooms freely, and is indispensable for Spring gardening; half-hardy perennial.

- 1034 **Forget-me-not**, fine mixed varieties. \$0.10 — **in variety** (*see Myosotis*).

FRAXINELLA.

Handsome, very fragrant, free-flowering, herbaceous plants, suitable for mixed borders; succeed in any common soil; hardy perennial.

- 1040 **Fraxinella**, white; 2 ft.05
- 1041 — **red**; 2 ft.05

FRENCH HONEYSUCKLE

(*Hedysarum Coronarium*).

A free-growing, exceeding showy border plant, of easy culture; bears racemes of attractive peaformed flowers; hardy biennial.

- 1044 **French Honeysuckle**, red and white. .05

FUCHSIA.

Well-known plants, of easy culture in pots, for conservatory or parlor decoration, or the open border; they are as easily grown from seed as from cuttings, while raising from choice seed has the advantage of obtaining many improved varieties; greenhouse perennial.

- 1046 **Fuchsia**, from choice named varieties. .50

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size, and brilliancy of their flowers, continuing in beauty during Summer and Autumn; hardy annuals.

- 1050 **Gaillardia**, choice mixed, annual varieties, rich colors; 1½ ft.05
- 1051 — **Richardsoni**, orange with brown center; hardy perennial; 1½ ft.05

GAURA.

An exceedingly handsome and free-flowering plant, blooms the whole summer; hardy perennial.

- 1055 **Gaura Lindheimeri**, white with pink calyx; 2 ft.10

GENTIANA.

These rank foremost amongst our earliest and loveliest Spring-flowering plants, very useful as edging or rock plants; they should be grown in good rich soil, to which has been added a considerable portion of peat earth; hardy perennials.

- 1058 **Gentiana**, fine mixed.15



No. 1112.—Gloxinia.



No. 1141.—Cucumis dipsaceus.

No. GERANIUM *Pelargonium*. Price.
 These well-known favorites are as indispensable for in-door as for out-of-door decoration, and should be extensively cultivated: the seed we offer having been saved from first-class varieties, the amateur has a fair chance of raising many charming novelties; greenhouse perennial.
 1060 **Geranium, apple-scented**, a well-known favorite variety.....\$0.25
 1061 — **fancy**, choice greenhouse varieties... .50
 1062 — **ivy-leaved**, the graceful beauty of foliage renders these household pets..... .25
 1063 — **large-flowered**, from prize varieties... .50
 1064 — **scarlet**, fine mixed..... .10
 1065 — **zonale**, choicest hybridized variegated varieties, embracing all the gold and silver, tricolor, and bronze sorts..... .50
 We have succeeded in saving a limited quantity of seed from our own superior collection of American Seedling Geraniums, and we confidently offer it as being of a quality that cannot be surpassed. Only such plants as were perfect in every feature were selected for seed, and all were artificially fertilized with the greatest care. We believe the double will produce from 75 to 90 per cent. of double-flowering varieties, while the single will retain all the excellence of the parent plants.
 1068 **Geranium, double**.—Packet of 20 seeds... .50
 1069 **single**.—Packet of 25 seeds..... .50

GESNERA.

Beautiful hot-house plants, producing their brilliant flowers in handsome spikes; tender perennial.
 1074 **Gesnera**, choicest varieties mixed; 1ft. .25

GILIA.

Very pretty dwarf annuals; bloom in almost any situation, grow well in pots, and may be placed in a rockery; hardy annuals.
 1080 **Gilia achilleaefolia**, lilac; 1½ ft..... .05
 1081 — **capitata**, celestial blue; ¾ ft..... .05
 1082 — **nivalis**, snow white; ¾ ft..... .05
 1083 — **tricolor**, white, lilac, and purple..... .05
 1088 — **mixed**, all colors..... .05

GLADIOLUS.

The seed offered has been carefully saved from the finest named hybrids of Gandavensis; half-hardy bulbs.
 1090 **Gladiolus**, choice mixed..... .25
 1091 — **New Hybrid**, very select, saved from G. Lemoine, Fröbelli, etc..... .25
 1092 — **small bulbs**, from named varieties... .15
 For list of named varieties, see Summer Flowering Bulbs.

No. **GLAUCIUM.** Price.
 Effective border plants, popularly called *Horn-poppies*, and among the prettiest of our white-foliaged plants; their elegantly indented glaucous green leaves make them attractive at all seasons; hardy perennials.
 1094 **Glaucium**, fine mixed.....\$0.10

GLOBE AMARANTHUS
 (*Gomphrena*).

Handsome everlastings, with showy flowers, which may be cut and preserved for Winter decorations; they are exceedingly beautiful plants for conservatory decoration, and when well grown in small pots are a pleasing feature in the sitting-room; half-hardy annuals.
 1098 **Globe Amaranthus**, flesh color; 3 ft... .05
 1099 — **golden yellow**; 2 ft..... .05
 1100 — **orange**; 2 ft..... .05
 1101 — **red**; 2 ft..... .05
 1102 — **variegated**, striped rose and white... .05
 1103 — **white**; 2 ft..... .05
 1104 — **globosa nana compacta**, a distinct new variety of dense bushy habit; flowers a rich deep violet red; excellent for pot culture..... .15
 1110 — **fine mixed**..... .05

GLOXINIA.

A superb genus of greenhouse plants, producing in great profusion beautiful flowers, of the richest and most brilliant colors; thrive best in sandy peat and loam; stove perennial bulbs.
 1112 **Gloxinia**, choicest mixed, from the finest erect and drooping varieties..... .50

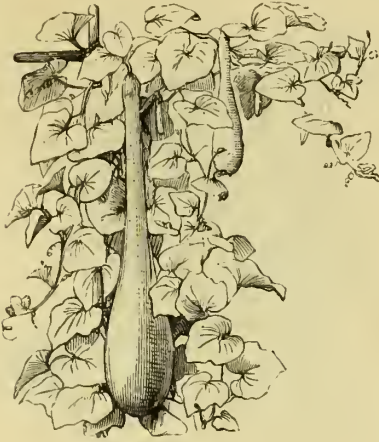
GNAPHALIUM.

Everlastings of great beauty and easily grown; indispensable for Winter bouquets and decorations, for which purpose the blossoms should be gathered when on the point of opening, and dried in the shade; half-hardy perennial.
 1116 **Gnaphalium foetidum**, citron yellow, very handsome; 2 ft..... .10
 1117 — **decurrens**, a recent introduction of branching growth, 8 to 10 inches high, with a main flower-stalk 24 to 30 inches in height. Flowers white, and produced in thick clusters. It is a charming Immortelle, and grows freely in any garden soil..... .25
 1118 — **leontopodium** (*Edelweiss*). The flowers are pure white, star-shaped, and of a downy texture. This is the true Edelweiss of the Alps, well-known and so much prized by tourists in Switzerland..... .25



ORNAMENTAL GOURDS.

No. 1175. Fine Mixed Gourds.



No. 1164.—Gourd, Hercules' Club.



No. 1256.—Humea elegans.

No.	GODETIA.	Price.
A very desirable, free-flowering genus, attractive in beds, mixed borders, and ribbons; hardy annuals.		
1122	<i>Godetia alba</i> , pure white; 1½ ft.	\$.05
1123	— <i>Lady Albemarle</i> , intense carmine crimson, compact habit, very beautiful; 1 ft. .	.15
1124	— <i>Lindleyana fl. pl.</i> , purple; 1½ ft. ...	.05
1125	— <i>The Bride</i> , white, with a rich carmine center; 1½ ft. ....	.05
1126	— <i>Whitneyi</i> , pearly satin white; 1½ ft. .	.05
1130	— <i>fine mixed</i> .....	.05

GOURDS (Ornamental.)

(Including *Cucumis* and *Cucurbita*.)

The varieties in this collection have been selected either for the ornamental character of their foliage, the singularity or symmetry of their fruit, or the variety and peculiarity of their coloring; some are of very large size and of curious form, while others are miniatures of various forms. The growth is as diversified as the fruit; some are vigorous growers, others slender and delicate. Wherever grown they never fail to excite admiration. Cultivation the same as for squashes or melons.

1140	<i>Cucumis Anguria</i> , small yellow fruit, growing in pairs .....	.10
1141	— <i>dipsacus</i> , yellow, teasel-like .....	.10
1142	— <i>flexuosus</i> , snake cucumber .....	.10
1143	— <i>medulliferus</i> , scarlet, thorny .....	.10
1144	— <i>Melo Chito</i> , variegated, brown and yellow, small oval fruit, very pretty .....	.10
1145	— <i>perennis</i> , foliage highly ornamental ..	.10
1150	<i>Cucurbita argyrosperma</i> , fruits large and finely striped or mottled .....	.10
1151	— <i>digitata</i> , foliage marbled with white, fruits dark green, striped white .....	.10
1152	— <i>leucantha</i> , long curious fruit .....	.10
1158	<i>Gourd</i> , apple-striped, very ornamental ..	.10
1159	— <i>bottle</i> , well-known and very useful ..	.10
1160	— <i>miniature</i> , ornamental .....	.15
1161	— <i>dipper</i> , a favorite variety .....	.10
1162	— <i>egg-shaped</i> , resembles an egg .....	.10
1163	— <i>gooseberry</i> , very pretty .....	.10
1164	— <i>Hercules' club</i> , large club-shaped ..	.10
1165	— <i>lemon</i> , showy .....	.10
1166	— <i>miniature</i> , orange and green striped, very ornamental, one of the best .....	.10
1167	— <i>orange</i> , well known sort .....	.10
1168	— <i>pear-shaped</i> .....	.10
1169	— <i>sugar trough</i> , immense size, holds several gallons .....	.10
1175	— <i>fine mixed</i> , from a large collection ..	.15
1176	— <i>Collection</i> of 12 distinct varieties ..	.60

No.	GRAMMANTHES.	Price.
Beautiful miniature plants for rock-work or rustic baskets, yielding a profusion of star-shaped flowers; half-hardy annual.		
1180	<i>Grammanthes gentianoides</i> , rich orange scarlet; ¼ ft.	\$.15

GRASSES (Ornamental.)

For full list of all the most desirable varieties, see special list at page 47.

1182	<i>Collection</i> of 12 distinct varieties50
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GUNNERA.

A very showy, ornamental-folaged plant, with leaves of an immense size, presenting a striking appearance; succeeds best in rich loamy soil, and requires protection in Winter; from the Cape of Good Hope; half-hardy perennial.

1184	<i>Gunnera scabra</i> , flowers greenish yellow, curious foliage; 2 ft.25
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GYPHOPHILA.

A pretty, free-flowering, elegant little plant, best adapted for rustic rock-work, baskets, and edgings, succeeding in any garden soil; hardy annuals.

1185	<i>Gypsophila elegans</i> , white and pink; fine for table bouquets; 1½ ft. ....	.06
1186	— <i>marialis</i> , a charming little plant, covered with red flowers, which contrast beautifully with its graceful foliage; ¾ ft. ....	.10

HAWKWEED.

Remarkably showy and effective on rock-work, in beds or masses in mixed borders; hardy annuals.

1190	<i>Hawkweed</i> , mixed colors05
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HELIANTHUS (Sun-flower).

A well-known genus of the most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; hardy annuals.

1195	<i>Helianthus argophyllus</i> , yellow, double, leaves silky white; 5 ft. ....	.05
1196	— <i>Californicus</i> , orange, extra large, and double; from California; 5 ft. ....	.05
1197	— <i>green centered</i> , yellow, very double, with a conspicuous green center; 4 ft. ....	.10
1198	— <i>Russian mammoth</i> , very large .....	.05
1199	— <i>nanus foliis variegatis</i> , a new dwarf variegated variety; the leaves are spotted and striped with yellow, which, with its pyramidal habit, imparts a highly ornamental appearance .....	.25
1204	— <i>fine mixed</i> .....	.10



No. 1225.—Heliotropium.



No. 1265.—Ice Plant.

No. **HELICHRYSUM.** Price.

Exceedingly handsome and ornamental plants for mixed borders, and peculiarly desirable as dried specimens; handsome bouquets and festoons may be formed of them for in-door decorations during Winter: hardy annuals.

1205	<i>Helichrysum bracteatum album</i> , white; 2 ft.	\$0.10
1206	— — <i>aureum</i> , golden yellow; 2 ft. ....	.10
1207	— <i>nanum atrococcineum</i> , dwarf, rose .10	
1208	— <i>atrosanguineum</i> , dwarf, red; 1 ft. .10	
1209	— <i>monstrosum album</i> , fl. pl., double white; 2 ft. ....	.10
1210	— — <i>luteum</i> , fl. pl., double yellow. ....	.10
1211	— — <i>purpureum</i> , fl. pl., purple; 2 ft. .10	
1212	— <i>roseum</i> , fl. pl., double rose; 2 ft. .10	
1215	— <i>minimum</i> , very dwarf, mixed. ....	.10
1216	— <i>fine mixed varieties</i>. ....	.10
1217	— <i>Collection of 10 splendid varieties</i> . .60	

The following three varieties have elegant silvery-gray foliage, and ball-like tufts of flowers, resembling the yellow Immortelles; they do well in pots, and are very decorative out of doors in sunny situations.

1218	<i>Helichrysum brachyrhynchum</i> , lemon yellow; $\frac{1}{2}$ ft. ....	.10
1219	— <i>elegans</i> , yellow; 1 ft. ....	.10
1220	— <i>strictum</i> , yellow; 1 ft. ....	.10

HELIOTROPE.

A well-known genus of profuse-flowering and deliciously fragrant plants, splendid for bedding or ribboning, and for baskets or pot culture; seeds sown in Spring make fine plants for Summer and Autumn decoration; half-hardy perennial.

1225	<i>Heliotrope</i> , finest mixed. ....	.10
1230	— <i>Collection of 6 choice varieties</i>. ....	.50

HELIPTERUM.

For Summer blooming, or for Winter bouquets, a valuable border plant; tender annuals.

1235	<i>Helipterum anthemoides</i> , white, graceful habit; 1 ft. ....	.15
1236	— <i>Sanfordii</i> , of dwarf, tufted habit, round clusters of yellow flowers; $\frac{3}{4}$ ft. ....	.15

HIBISCUS.

One of the most ornamental, beautiful, and showy genera of plants cultivated; characterized by the size, and varied and beautiful colors of their flowers; hardy annual.

1240	<i>Hibiscus Africainus</i> , cream color, rich brown center; 1 $\frac{1}{2}$ ft. ....	.05
1241	— <i>choice mixed</i> , saved by an eminent grower from splendid varieties; all perfectly hardy. ....	.15

No. **HOLLYHOCK.** Price.

This splendid plant now ranks with the Dahlia for Autumn decoration, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. If sown early in heat the plants may be in bloom the first year: hardy perennials.

1245	<i>Hollyhock, choice mixed</i> , saved from Chater's prize varieties.	\$0.25
1246	— <i>fine mixed</i>. ....	.10
1247	— <i>white</i> , double, valuable for florists. .25	
1248	— <i>Chinese scarlet</i> , an annual variety: very showy. ....	.10
1250	— <i>Collection of 12 distinct colors</i> , saved from Chater's prize varieties.	1.00

HONESTY (Lunaria).

Early Summer free-flowering plants, with silvery seed-pods, much admired for Winter decoration with ornamental grasses, etc.; hardy biennials.

1252	<i>Honesty</i> , purple, very showy; 2 ft.05
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HUMEA.

A remarkably handsome plant, invaluable for decorative purposes, whether in the conservatory or dispersed in pots about the lawn, planted in the centers of beds or mixed borders, its majestic and graceful appearance renders it most effective and striking object; half-hardy biennial.

1256	<i>Humea elegans</i> , red; 3 ft. ....	.15
1257	— — <i>albida</i> , the panicles of this variety are of a whitish shade; very effective, and useful for bouquets. ....	.25

IBERIS Perennial Candytuft).

Profuse-blooming pretty little plants, especially adapted for rockeries, old stumps, or rustic baskets; they come into flower amongst the earliest Spring plants, and for a long time continue a dense mass of beauty; hardy perennials.

1260	<i>Iberis sempervirens</i> , pure white; $\frac{1}{2}$ ft.05
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ICE PLANT

(*Mesembryanthemum crystallinum*).

A pretty little trailing plant, much used for garnishing, the leaves of which are covered with crystalline globules, thus giving it the appearance of being coated with ice; half-hardy annual.

1265	<i>Ice Plant</i> , white, very effective.05
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IONOPSIDIUM.

A charming early-flowering plant, growing best in moist, shady situations; excellent for edging and rock-work, also a neat pot plant; hardy annual.

1268	<i>Ionopsidium acanthe</i> , sky blue; $\frac{3}{4}$ ft.10
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No. 1273.—*Ipomoea hederacea superba*.



No. 1295.—*Ipomopsis*.

No. **IPOMŒA (Convolvulus)**. Price.
Of all flowers in general cultivation, this ranks pre-
eminent for delicate and intrinsic beauty; the
brilliant and varied hues of its many species and
varieties are exceedingly beautiful, and its fine
foliage and graceful form render it an indispensa-
ble ornament for greenhouse, conservatory, or
garden decoration.

ANNUAL VARIETIES.

- 1270 *Ipomœa Bona Nox (Evening Glory)*,
satin rose, large, fragrant blossoms, which
expand in the evening; 10 ft. \$0.10
- 1271 — *coccinea (Star Ipomœa)*, scarlet,
small flowers, in great profusion; 8 ft.10
- 1272 — *fol. marmoratis*, Japanese varieties,
foliage beautifully mottled; mixed colors.... .10
- 1273 — *hederacea superba*, ivy-like foliage,
very showy, mixed colors; 8 ft.10
- 1274 — *limbata elegantissima*, rich bluish
purple center in the form of a star, with broad
pure white margin..... .15
- 1277 — *rubro œrulen*, sky blue, large,
handsome flowers; 10 ft.10
- 1278 — — *alba*, pure white; 10 ft.10
- 1280 — **Collection of 10 distinct varieties**.... .75

PERENNIAL VARIETIES.

- 1282 *Ipomœa Learii*, rich blue, changing to
red, magnificent; from Ceylon; 20 ft.25
- 1283 — *leptophylla*, a native variety; from
Colorado, forming a bushy mass about three
feet in height; rosy purple..... .15
- 1284 — *Mexicana grandiflora alba*, im-
mense white flowers, deliciously fragrant... .15

IPOMOPSIS.

Handsome free-flowering plants, with long spikes
of dazzling flowers, very effective for conservatory
and outdoor decoration; half-hardy biennials.

- 1290 *Ipomopsis aurantiaca*, orange; 3 ft.05
- 1291 — *picta*, orange, scarlet and gold; 3 ft.05
- 1292 — *sanguinea*, scarlet, very brilliant.... .10
- 1295 — **fine mixed varieties**..... .10

IRIS KÄMPFERI.

Amongst thoroughly hardy plants the fine varieties
of this species are unsurpassed; the flowers, which
are of immense size and heavy texture, embrace
a marvellous range of color; hardy perennials.

- 1300 *Iris Kämpferi*, all colors mixed..... .15

JACOBÆA Senecio).

A useful and exceedingly showy class of gay-col-
ored, profuse-blooming plants; hardy annuals.

- 1305 *Jacobæa*, fine mixed double varieties.10

No. **KAULFUSSIA**. Price.
Pretty little free-flowering plants of a neat, compact
growth, exceedingly effective in beds or mixed
borders; hardy annuals.

- 1310 *Kaulfussia amelliodes atroviolacea*,
intense violet, very attractive; ½ ft. \$0.05
- 1311 — — *alba*, white; ½ ft.05
- 1312 — — *kermesina*, crimson; ½ ft.05
- 1313 — — *rosea*, rose; ½ ft.05

KENILWORTH IVY

(*Linaria cymbalaria*).

Admirably adapted for culture in baskets, pots, or
vases, and for the ornamentation of rock-work it
is unsurpassed; hardy perennial.

- 1320 *Kenilworth Ivy*, lilac; ¾ ft.15

LANTANA.

A remarkably handsome, free-flowering genus of
plants with brilliantly colored flowers, constantly
changing in hue; very effective, either for pot
culture or for bedding.

- 1325 *Lantana*, finest varieties mixed..... .15

LARKSPUR (Delphinium).

Extremely ornamental plants of great beauty, com-
bining the richest possible variety of brilliant and
effective colors, with great duration and profusion
of bloom. For large beds on lawns, or masses and
mixed flower borders, also for cut flowers, the
taller growing varieties are the most desirable;
hardy annuals.

- (For perennial varieties, see *Delphinium*.)
- 1330 *Larkspur, Bismark*, a beautiful red-
striped variety of great merit; 1 ft.10
 - 1331 — — *candelabrum*, double, mixed; 1½ ft.05
 - 1332 — — **Collection of 6 distinct colors**.... .50
 - 1333 — **double dwarf rocket**, fine mixed... .05
 - 1334 — — **Collection of 10 distinct colors**.... .50
 - 1335 — — **tall rocket**, fine mixed..... .05
 - 1336 — — **Collection of 8 distinct varieties**.... .50
 - 1337 — **Emperor**, a profuse bloomer, very
double, mixed colors: 1 ft.10
 - 1338 — **rannunculus-flowered**, very double,
extra fine; 1 ft.05
 - 1339 — **Stock-flowered**, tall, mixed; 2½ ft.05
 - 1340 — — **Collection of 8 distinct varieties**.... .50
 - 1341 — **tricolor elegans**, rose, white, and
blue, very handsome: 2½ ft.05

LATHYRUS (Everlasting Pea).

Showy, free-flowering plants, growing in any com-
mon soil; very ornamental on trellis-work, old
stumps, fences, or walls; hardy perennials.

- 1345 *Lathyrus*, mixed colors, 5 ft.10



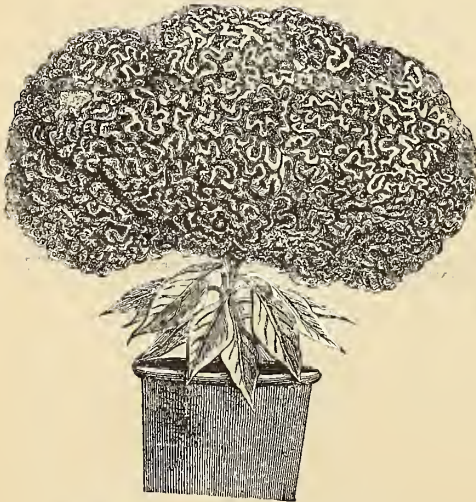
No. 250.—*Abobra viridiflora*.



No. 270.—*Adlumia cirrhosa*.



No. 588.—Candytuft, Tom Thumb new white.



No. 665.—*Celosia*, Glasgow Prize.



No. 1916.—*Rhodanthe maculata*.



No. 1400.—*Lobelia erinus*.



No. 1392.—*Loasa aurantiaca*.

LAVATERA. *Price.*
Free-flowering handsome plants, exceedingly effective when used as a background to other plants; hardy annuals.

1350 *Lavatera*, rose and white, mixed, 3 ft. \$0.05

LAVENDULA (Lavender).
A genus of plants chiefly cultivated on account of the delicious fragrance of their flowers; they succeed in any common soil; hardy perennial.

1355 *Lavendula spica*, lilac; 2 ft. .05

LEPTOSIPHON.
Of rare beauty both in flower and foliage, exceedingly attractive in beds or ribbons, while the dwarf sorts are well adapted for rock-work or edgings; hardy annuals.

1358 *Leptosiphon aureus*, yellow; ½ ft. .05

1359 — *densiflorus*, rosy lilac; 1 ft. .05

1360 — *albus*, white; 1 ft. .05

1361 — *hybridus*, mixed colors. .10

LILIUM.

Too well known to need description. As the seeds often lie dormant for months, it is best to sow in boxes or pots, where they will not be disturbed. Although a slow process, the raising of this class from seed is highly interesting to amateurs. For *Bulbs*, refer to our complete collection in another part of this catalogue, which embraces every desirable variety, including all recent introductions.

1367 *Lilium tenuifolium*. This splendid scarlet lily does better from seed than either of the other varieties. .25

1368 — *choice mixed*, from best varieties. .25

LIMNANTHES.

Easily grown, free-flowering, slightly fragrant plants, excellent for beds or edgings in damp shady places; hardy annuals.

1372 *Limnanthus*, mixed colors; ½ ft. .05

LINUM.

One of the most effective and showy bedding plants we have; habit of growth is slender and delicate.

1378 *Linum grandiflorum coccineum*, rich scarlet-crimson, with dark black center; hardy annual; 1 ft. .05

1379 — *luteum corymbiflorum*, straw color, half-hardy annual; 1½ ft. .10

The three following varieties are charming hardy perennials, graceful and effective.

1380 *Linum Lewisii*, blue, white striped. .10

1381 — *perenne album*, pure white. .10

1382 — — *roseum*, delicate rose. .10

LOASA (Caiophora). *Price.*
A handsome genus of rapid-growing, free-flowering climbers, with curious and beautiful flowers, which must not be handled, nor any part of the plant, without gloves, as the hairs sting.

HARDY ANNUAL VARIETIES.

1390 *Loasa tricolor*, yellow; 3 ft. \$0.10

1391 — *vulcanica*, elegant white star-like flowers of peculiar shape; 4 ft. .25

HALF-HARDY PERENNIAL VARIETIES.

1392 *Loasa aurantiaca*, orange; 4 ft. .10

1393 *Herbertii*, scarlet; 4 ft. .10

LOBELIA.

Exceedingly pretty, profuse-blooming plants, of great value and importance to the flower garden. The low growing kinds make the most beautiful edgings. All the varieties of *L. erinus* are valuable for hanging-baskets, rustic-work, or vases, over the edges of which they droop in the most graceful and elegant manner. The perennial varieties are exceedingly ornamental, and are valuable from their blooming in Autumn.

ANNUAL VARIETIES.

1400 *Lobelia erinus*, deep blue; ½ ft. .10

1401 — *alba*, pure white; ½ ft. .10

1402 — — *erecta bicolor*, compact, bushy habit, with erect branches, giving the plant almost the shape of a ball; flowers white and blue. .10

1403 — *Paxtoniana*, pure white, with sky blue belt; ¾ ft. .10

1404 — *gaucalis*, celestial blue; ½ ft. .10

1405 — — *alba*, pure white; ½ ft. .10

1406 — — *rosea*, delicate rose; ½ ft. .10

1407 — *ramosa (heterophylla)*, deep blue. .10

1408 — *alba*, white; ¾ ft. .10

1409 — *speciosa (Crystal Palace variety)*, deep blue, extremely beautiful; ¾ ft. .10

1410 — — *kermesina*, rosy crimson; ½ ft. .10

1414 — *mixed varieties* of uniform height. .10

1415 *Collection* of 10 distinct varieties. .75

PERENNIAL VARIETIES.

These are conspicuously beautiful border plants, the richness of color rendering them remarkably striking.

1416 *Lobelia cardinalis*, brilliant scarlet. .10

1418 — *hybrids of Fulgens and Cardinalis*, splendid shades of color, both in foliage and flower; blooms from July to October; 2 ft. .25

1419 — *Queen Victoria*, dark mulberry foliage, deep scarlet flowers; 2 ft. .25



No. 1425.—*Lophospermum scandens*.



No. 1466.—*Malope trifida*.

No. **LOPHOSPERMUM.** Price.

An exceedingly beautiful and highly ornamental genus of climbers, with handsome, showy, fox-glove-like flowers; may be used with advantage for hanging-baskets; half-hardy annuals.

1425 *Lophospermum scandens*, rosy purple, very fine trellis-plant; 6 ft. \$0.15

LUPINUS.

A splendid genus of ornamental, beautiful, and free-flowering garden plants, with long, graceful spikes of pea-shaped blossoms; colors rich and varied; hardy annuals.

- 1430 *Lupinus affinis*, blue, white, and purple; ½ ft.05
- 1431 — *albo-coccineus*, rich rosy red half-way of the spike, from thence to the apex pure white; 1 ft.10
- 1432 — *Cruikshankii*, blue, white, and yellow; 3 ft.05
- 1433 — *mutabilis*, changeable colors; 2 ft.05
- 1434 — *pubescens elegans*, purple, violet, and white; 1½ ft.10
- 1438 — *mixed annual varieties*05
- 1439 — *perennial varieties*05
- 1440 — *Collection of 12 choice varieties*60

LYCHNIS.

A genus of handsome and highly ornamental plants, of easy culture; strikingly effective in mixed flower and shrubbery borders; good rich soil; hardy perennials.

- 1445 *Lychnis Chalcedonica*, scarlet; 2 ft.05
- 1446 — *alba*, white; 2 ft.05
- 1447 — *Haageana*, bright scarlet, splendid. .10
- 1448 — *hybrida*, various shades.10
- 1449 — *viscaria splendens*, rose pink, 1 ft. .10

LYGODIUM SCANDENS

(Japanese Climbing Fern).

A graceful climber, growing to an indefinite length; easy of culture, and adapted for decoration in the same manner as Smilax, which plant it rivals in durability after being cut; tender perennial.

- 1455 *Lygodium scandens*25

LYTHRUM.

Very showy plant, with long spikes of beautiful flowers; very effective in mixed borders; this is an attractive and stately plant, and deserves a place in every collection; hardy perennial.

- 1458 *Lythrum roseum superbum*, pink, very desirable; 3 ft.05

No. **MALOPE.** Price.

Handsome plants, of a branching habit, producing their large flowers in great profusion; very effective in mixed borders; succeed in common garden soil; hardy annuals.

- 1465 *Malope grandiflora*, crimson; 2 ft.05
- 1466 — *trifida alba*, white; 2 ft.05

MALVA OR MALLOW.

Showy and free-flowering border plants, succeeding in any common garden soil; hardy annuals.

- 1469 *Malva zebrina*, white and purple, striped; very showy; 2½ ft.05
- 1470 — *moschata*, rose, foliage fragrant.05

MARIGOLD.

Well-known, free-flowering plants, with handsome double flowers, of rich and beautiful colors. The African is the most striking in large beds, or mixed borders. The dwarf French is used as a foreground to taller plants, and makes splendid compact edgings; half-hardy annuals.

(See *Calendula* and *Tagetes* for other varieties.)

- 1475 *Marigold, African*, lemon; 2 ft.05
- 1476 — *orange*; 2 ft.05
- 1478 — *fine mixed*, all colors.05
- 1479 — *Collection of 6 distinct varieties*... .30
- 1480 — *French, dwarf*, brown; 1 ft.05
- 1481 — *golden striped*; 1 ft.05
- 1482 — *yellow*; 1 ft.05
- 1485 — *tall, orange*; 1½ ft.05
- 1486 — *striped*; 1½ ft.05
- 1487 — *Cloth of Gold*, a charming variety, covered with flowers having bright gold bars on dark velvety petals; 1½ ft.25
- 1489 — *fiac mixed*, all colors.05
- 1490 — *Collection of 10 distinct varieties*. .50

MARTYNIA.

Handsome, free-flowering plants, producing a fine effect when planted in the open border; flowers as large and handsome as *Gloxinias*, succeeded by curious double-horned fruit; half-hardy annuals.

- 1496 *Martynia*, mixed colors; 1½ ft.10

MARVEL OF PERU (Mirabilis).

Few plants combine so much beauty, both of foliage and flowers, as this handsome genus; the roots may be preserved through the Winter; sometimes called *Four-o'clocks*; half-hardy perennials.

- 1500 *Marvel of Peru*, gold striped; 2 ft.05
- 1501 — *white*, sweet-scented; 2 ft.05
- 1502 — *variegated foliage*; 2 ft.05
- 1507 — *fine mixed*05
- 1508 — *Collection of 8 choice varieties*... .65



No. 1489 — Marigold, French.



No. 1545.—Sweet Mignonette.

No. **MATHIOLA** Price.

Night-scented Stock.

The delicious rich perfume emitted by the flowers of this plant, in the afternoon, evening, and after a shower, is truly delightful, and perceptible some distance off; hardy annual.

1510 **Mathiola bicornis**, pink and lilac: 1 ft. \$0.10

MATRICARIA (Feverfew).

Handsome, free-flowering, ornamental plants, fine for bedding or pot culture; half-hardy perennials.

1512 **Matricaria capensis**, dwarf, double, white, very fine; $\frac{3}{4}$ ft. .10

1513 — **eximia grandiflora**, an improved pure white variety, very double. .15

1514 — — **nana, fl. pl.**, a dwarf variety, with double white flowers; useful for bouquets. .15

MAURANDYA.

These superb climbers can not be too strongly recommended; they are particularly adapted for greenhouse or conservatory decoration, or for training on trellises in the flower garden; they will be loaded all the season with rich purple, white and rose foxglove-shaped blossoms; the seed should be started in a hot-bed or greenhouse, as without artificial heat they will scarcely flower the first season; half-hardy perennials.

1520 **Maurandya Barclayana**, violet; 10 ft. .10

1521 — — **alba**, a pretty white variety; 10 ft. .10

1522 — — **lucyana**, rose, very showy; 10 ft. .10

1525 — — **fine mixed**, from above varieties. .10

MESEMBRYANTHEMUM.

A brilliant and profuse-flowering tribe of dwarf-growing plants, effective in beds, edgings, rock-work, rustic baskets, or vases in warm, sunny situations; fine for pot culture.

1530 **Mesembryanthemum capitatum**, pale yellow; $\frac{3}{4}$ ft. .05

1265 **crystalinum (Ice Plant)**, white; $\frac{1}{2}$ ft. .05

1532 — **tricolor**, rose, purple center; $\frac{1}{4}$ ft. .05

1533 — — **album**, white, purple center; $\frac{1}{4}$ ft. .05

1536 **fine mixed**, all colors. .10

MOLUCELLA Molucca Balm.

A singular plant, with square stems spreading and curling upward like the arms of a candelabrum, which end in tufts of bright leaves and tiny cups of pea green color, veined with whitish green; within the calyx a button-shaped bud appears, which unfolds into a flower formed like a shell, of a white and purple color, very curious; hardy annual.

1538 **Moluccella laevis (Shell Flower)**; 1 ft. .15

No. **MIGNONETTE.** Price.

A well-known fragrant favorite, which produces a pleasing contrast to the more showy occupants of the parterre; if well thinned out immediately the plants are large enough, they will grow stronger, and produce larger spikes of bloom; hardy annual.

1540 **Mignonette, Golden Queen**, a distinct and attractive variety, with large spikes of golden-yellow blossoms. . \$0.25

1541 — **Miles's Hybrid Spiral**, a robust, profuse-blooming variety, and very fragrant; splendid for pot culture. . .15

1542 — **Parsons's White**, a distinct, delightfully fragrant variety; highly recommended. .10

1543 — **New Giant**, a recent introduction of marked improvement, a rapid compact grower, yielding a profusion of immense spikes of fragrant flowers; the best variety for bee-keepers and florists' use. . .15

1544 — **pyramidal large-flowered**, a robust variety, of an orange-red color. .10

1545 — **Sweet**, the old favorite. . .05

1546 — **The Prize**, highly recommended on account of beauty of color, size of flower, and delicious fragrance. . .25

We will send one packet of each of the above varieties for75

MIMULUS.

A genus of extremely handsome, profuse-flowering plants, with singularly shaped and brilliantly colored flowers; splendid conservatory or sitting-room plants; half-hardy perennial.

1550 **Mimulus cardinalis**, scarlet; 1 ft. .10

1551 — **maculosus**, beautifully spotted; 1 ft. .10

1552 — — **duplex**, double, tiger spotted. . .25

— — **moschatus (Musk)**, see No. 1570.

1554 — **Roezlii**, bright yellow, spotted with crimson, fine for bedding; 1 ft. . .25

1558 — **choice mixed**25

MOMORDICA.

Trailing plants, with curious and very ornamental foliage; the fruit is of a golden-yellow color, warted, and when ripe, opens, disclosing its seeds and brilliant carmine interior. Planted on rock-work, stumps of trees, etc., and allowed to ramble, the effect is very striking; half-hardy annuals.

1565 **Momordica balsamina (Balsam Apple)**.05

1566 — **charantia (Balsam Pear)**.05

MORNING GLORY.

(See *Convolvulus Major*, Nos. 810 to 819.)



No. 1605.—Nasturtium, Dwarf.



No. 1645.—Nigella.

No. **MUSK PLANT.** Price.

This fragrant and universally favorite little plant is so well known, we need only remark that it is equally at home in the sitting-room, greenhouse, or flower-garden; half-hardy perennial.

1570 **Musk** (*Minutus moschatus*); $\frac{3}{4}$ ft.\$0.10

MYOSOTIS (Forget-me-not).
Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; invaluable for Spring garden decoration; half-hardy perennials.

- 1575 **Myosotis alpestris nana alba**, very dwarf, white; $\frac{1}{4}$ ft.10
 1576 ——— **cerulea**, bright blue; $\frac{1}{4}$ ft.10
 1577 ——— **rosea**, delicate rose; $\frac{1}{4}$ ft.10
 1578 — **Azorica**, blue, shaded purple; 1 ft.10
 1579 ——— **alba**, pure white; 1 ft.10
 1580 — **dissitiflora**, clear blue, flowers very early, and continues long in bloom; $\frac{1}{2}$ ft.15
 1581 — **palustris semperflorens**, a beautiful azure blue, continues in bloom until frost; does well in moist and shady situations.25
 1585 — **fine mixed**, from above varieties.10

NASTURTIIUM, DWARF
(*Tropaeolum nanum*).

The dwarf improved varieties of Nasturtium are among the most useful and beautiful of garden favorites, for bedding, massing, or ribboning; their close, compact growth, rich colored flowers, and the freedom with which they bloom, all combine to place them in the category of first-class bedding plants; should be grown in rather poor soil; hardy annuals.

- 1590 **Nasturtium, Tom Thumb Beauty**, yellow, flushed with vermillion.10
 1591 ——— **cerulea rosea**, beautiful peach.10
 1592 ——— **crimson**.10
 1593 ——— **Crystal Palace Gem**, sulphur spotted mauve.10
 1594 ——— **Golden King**, golden yellow.10
 1595 ——— **King of Tom Thumbs**, intense scarlet, bluish-green foliage.10
 1596 — **King Theodore**, new variety, dark green foliage, flowers almost black.10
 1597 ——— **pearl**, creamy white.10
 1598 ——— **rose**, very desirable.10
 1599 ——— **scarlet**.10
 1600 ——— **spotted**.10
 1601 ——— **yellow**.10
 1605 ——— **fine mixed**, from above varieties.10
 1606 ——— **Collection** of 12 distinct colors.75

No. **NASTURTIIUM, TALL** Price.

(*Tropaeolum Majus*).

Well-known, profuse-flowering plants, admirably adapted for rock-work, banks, covering trellises, or rustic work; the seeds, if pickled young, are an excellent substitute for capers; hardy annuals.

(See *Tropaeolum* for choicer varieties of Tall Nasturtiums.)

- 1610 **Nasturtium, tall, crimson**; 6 ft.\$0.05
 1611 ——— **orange**; 6 ft.05
 1612 ——— **scarlet**; 6 ft.05
 1613 ——— **spotted**; 6 ft.05
 1614 ——— **striped**; 6 ft.05
 1615 ——— **yellow**; 6 ft.05
 1620 ——— **fine mixed**, from above varieties.05
 1621 ——— **Collection** of 12 distinct colors.50

NEMESIA.

One of the prettiest, freest blooming, and most interesting of annual plants; adapted for beds, edgings, rock-work, or pot culture; the growth is compact, and the blossoms so numerous as to entirely hide the foliage; half-hardy annual.

- 1625 **Nemesia**, finest mixed varieties; $\frac{3}{4}$ ft.05

NEMOPHILA.

This is perhaps the most charming and useful genus of dwarf-growing hardy annuals; all the varieties have a neat, compact, and uniform habit of growth, with shades and colors the most strikingly beautiful; to secure the greatest perfection the plants should be thinned to four inches apart, and the plants will then present a dense mass of flowers; if the soil is too rich, the flowers will be less abundant; hardy annuals.

- 1630 **Nemophila**, best varieties mixed.05
 1635 — **Collection** of 10 distinct varieties.50

NIEREMBERGIA.

Charming little plants, which flower profusely during the whole Summer; well adapted for hanging-baskets and edgings; in fact, for this purpose it cannot be recommended too highly; half-hardy perennial.

- 1640 **Nierembergia frutescens**, white.10
 1641 — **gracilis**, slender, lilac, yellow eye.10

NIGELLA (Love in a Mist, or Devil in the Bush).

Compact-growing, free-flowering plants, with curious-looking flowers and seed-pods. From the extraordinary appearance of the stamens this genus has received its singular names; hardy annuals.

- 1645 **Nigella, dwarf**, mixed; $\frac{3}{4}$ ft.05
 1646 — **tall**, mixed; 1 $\frac{1}{2}$ ft.05



No. 871.—Cypress Vine, Scarlet Ivy-leaved.



No. 1216.—Helichrysum.



Sweet Peas.

No. 1716.—Butterfly. No. 1722.—Violet Queen.



No. 1826.—Polyanthus.



1.—Group of New Hybrid Petunias.
No. 1758.

2.—New Double Petunia.
No. 1759.



No. 1565.—*Momordica balsamina*.



No. 1641.—*Nierembergia gracilis*.

No. **NOLANA.** Price.
An extremely beautiful, free-flowering genus of trailing plants, the flowers resembling the *Convolvulus Tricolor*, but softer in color, while some are beautifully penciled; fine for rock-work, hanging-baskets, old stumps, etc.; hardy annuals.
1652 *Nolana atriplicifolia*, blue, violet.
white and yellow; $\frac{1}{2}$ ft. \$0.05
1653 — — *alba*, white, yellow center; $\frac{1}{2}$ ft.05

NYCTERINIA.
Neat, compact little plants, covered with pretty, sweet-scented, star-shaped flowers, valuable for edgings, rockeries, stumps, or small beds; they blossom very early in Spring, and remain in bloom the whole season; half-hardy perennials.
1658 *Nycteria capensis*, white, with bright yellow center; $\frac{1}{2}$ ft.10

OBELISCARIA.
This is a family of rather coarse-looking plants, but at a distance are showy and effective. It is allied to and very much resembles the well-known wild flower of our meadows, *Rubbeckia hirta* or *Cone flower*. The blossoms are rich-colored, and have curious acorn-like centers; half-hardy perennial.
1659 *Obeliscaria pulcherrima*, rich crimson, tipped with yellow; 2 ft.05

GENOTHERA.
Beautiful, free-blooming plants of majestic habit, with large, silvery-white, golden-yellow, and crimson spotted flowers; sow the annual varieties in the open ground in May, where they are intended to flower, and thin out when they come up; the perennial varieties are best sown in boxes, and afterward transplanted; annuals and perennials.
1660 *Genothera*, annual varieties, mixed.10
1661 — — perennial varieties, mixed10

OXALIS.
A splendid class of plants, with brilliantly colored flowers and dark foliage, suitable either for greenhouse decoration, rock-work, or rustic baskets out-of-doors; half-hardy perennials.
1670 *Oxalis rosea*, rose-colored, blooms abundantly; $\frac{1}{2}$ ft.10
1671 — — *tropaeoides*, deep yellow, brown leaves; a very interesting variety; $\frac{1}{2}$ ft.10

OXYURA.
A showy plant, with beautifully fringed flowers; produced in great abundance; hardy annual.
1675 *Oxyura chrysanthemoides*, golden yellow, edged with white.05

No. **PANSY (Heart's-ease).** Price.
This lovely flower, a favorite with every one, is too well known to need any description. Nothing can be more effective, whether grown in beds, ribbons, groups, or interspersed among other plants in the border. It is also admirably adapted for pot-culture, for the decoration of the conservatory during the Winter and Spring months. The following collection embraces some of the finest varieties ever offered; hardy perennials.

1679 **Pansy, Belgian or fancy**, large flowers, beautifully blotched; very attractive... \$0.50
1680 — **English Show**. The flowers of this class are one-colored, and embrace many rich and beautiful shades.50
1681 — **New German**. (See colored plate in Catalogue for 1882.) No strain of this favorite flower ever enjoyed such popularity, or gave such general satisfaction, as this has done. It embraces eight of the most strikingly beautiful colors; mixed.50
1682 — — **Collection of the 8 varieties** 3.00
1683 — **azure blue**, very fine15
1684 — **bronze**, reddish-brown flowers.15
1685 — **Cliveden**, yellow, purple, magpie, and white, mixed; best for bedding.25
1686 — **Emperor William**, brilliant blue, with well-defined purple eye; splendid.15
1687 — **Fanst or King of the Blacks**, densest black Pansy known15
1688 — **gold margined**, very showy15
1689 — **golden yellow**, beautiful15
1690 — **mahogany-color**, peculiar shade... .15
1691 — **maxima quadricolor**, a new and beautiful variety, the remarkable blending of the peculiar colors of which cannot be described; must be seen to be appreciated.25
1692 — **Odier, or five spotted**, a distinctly blotched variety of great beauty.25
1693 — **Snow Queen**, a charming, delicate, satiny white, slightly tinged with yellow toward the center; splendid bouquet variety... .50
1694 — **striped or variegated**, very showy.15
1695 — **white**, appropriate for cemeteries... .15
1700 — **choice mixed**, from above varieties. .25
1701 — **good mixed**10
1702 — **Collection of 12 distinct varieties** .. .75

PASSIFLORA OR PASSION FLOWER.
A genus of magnificent ornamental twiners, whose flowers are at once interesting and beautiful.
1710 *Passiflora caerulea*, sky blue.15
1711 *gracilis*, white15

No. 1660.—*Ænothera*.No. 1750.—*Perilla Nankinensis*.

No. PEAS, SWEET. Price.

Exceedingly useful, well-known, free-flowering, highly ornamental plants, flourishing in any open situation, and when sown on rich soil, and mulched during dry, hot weather, will attain a considerable height; if not allowed to ripen seed they will continue blooming till destroyed by frost; hardy annuals.

1715	Peas, sweet, black invincible, the darkest variety grown.....	\$0.05
1716	— Butterfly , white ground, delicately faced with lavender blue; very fragrant and valuable for bouquets.....	.15
1717	— Crown Princess of Prussia , a delicate blush; very fine.....	.10
1718	— painted lady , rose and white.....	.05
1719	— purple.....	.05
1720	— scarlet invincible , rich scarlet.....	.05
1721	— striped.....	.05
1722	— Violet Queen , a charming variety ranging from deep mauve to light violet.....	.15
1723	— white.....	.05
1724	— mixed , from above varieties.....	.05
1730	— Collection of 10 distinct varieties.....	.50
	— everlasting (see No. 1345.)	

PENSTEMON.

Plants of a highly ornamental character, graceful in habit, and remarkable for the abundance and beauty of their individual blossoms; in bloom from July to October; half-hardy perennials.

1740	Penstemon , choice mixed.....	.10
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PERILLA.

Amongst ornamental-foliaged plants for flower-garden decoration the *Perilla* claims attention; its foliage is of a deep mulberry or blackish purple, and forms a fine contrast to the silvery foliage of *Cineraria Maritima*, or the lively green of other plants; half-hardy annual.

1750	Perilla Nankinensis , leaves deep mulberry or purplish black; 1½ ft.....	.05
1751	— atropurpurea foliis laciniatis , the foliage regularly fringed and toothed, which gives the plant an exceedingly attractive appearance.....	.10

PHACELIA.

Pretty annuals, of the easiest culture in the open ground. They have branched tufted stems, incised leaves, and spikes of blue flowers, which, when in bud, are circinate, like those of the heliotrope. The variety we offer is cultivated for bees, and is excellent for that purpose.

1753	Phacelia tanacetifolia , lilac; 2 ft.....	.10
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No. PETUNIA. Price.

A highly ornamental and profuse-flowering, easily cultivated garden favorite; effective and beautiful for the decoration of the greenhouse and sitting-room window, while for planting out in beds or mixed borders they are unsurpassed. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable; half-hardy perennials.

1755	Petunia, Countess of Ellesmere , rose, with white throat, very pretty.....	\$0.10
1756	— fringed , rich colors, finely fringed.....	.25
1757	— green-edged , various shades, bordered with a distinct belt of green.....	.25
1758	— hybrida grandiflora , from a celebrated German collection, flowers beautifully blotched, marbled, fringed, and variegated, quality unsurpassed.....	.25
1759	— new double , this strain, personally selected in Europe, continues to maintain its reputation, and is obtained from the same source. It is saved from carefully fertilized flowers, and will produce a large percentage of doubles, while such plants as are single are marvels of beauty in colors and markings.....	.50
1760	— new double fringed , for richness and delicacy of tint this variety is unsurpassed, and yields at least 25 per cent. of plants that never fail to elicit the most unqualified praise.....	.50
1761	— new dwarf inimitable , too much cannot be said in favor of this splendid dwarf variety, seldom exceeding six inches either in height or diameter; plants become literally covered with regularly striped flowers, and are exceedingly effective.....	.50
1762	— nyctaginiflora , white, fragrant.....	.05
1763	— robusta flore pleno , of compact, symmetrical growth, and embracing a wide range of rich colors; so freely are the flowers produced, that a fully developed plant has all the appearance of a made bouquet.....	.50
1764	— striped , large flowers, beautifully striped and marbled.....	.25
1770	— choice mixed , splendid varieties.....	.10
1771	— Collection of 12 single varieties	1.00
1772	— 6 double varieties.....	.75

PHASEOLUS.

A beautiful conservatory climber, flowering in magnificent clusters, producing a fine effect.

1775	Phaseolus caracalla , lilac and white, very handsome.....	.25
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No. 1860.—*Portulaca grandiflora*, fl. pl.

No. PHLOX DRUMMONDII. Price.

These flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom, combined with their almost unequalled richness of color, renders them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox Drummondii is rarely to be seen. Half-hardy annuals.

- 1778 **Phlox Drummondii alba**, white; 1 ft. \$0.10
- 1779 — — — **oculata**, white, with crimson eye; 1 ft. .10
- 1780 — — — **coccinea**, deep scarlet; 1 ft. .10
- 1781 — — — **Heynholdii**, vermilion scarlet; 1 ft. .25
- 1782 — — — **cardinalis**, intense scarlet; very beautiful; 1 ft. .25
- 1783 — — — **Isabellina**, primrose yellow; 1 ft. .10
- 1784 — — — **marmorata violacea**, violet marbled; very desirable; 1 ft. .10
- 1785 — — — **purpurea**, deep purple; 1 ft. .10
- 1786 — — — **Queen Victoria**, violet, with a white eye; 1 ft. .10
- 1787 — — — **Redowsky**, deep rose, striped with white; 1 ft. .10
- 1788 — — — **rosea**, bright rose; 1 ft. .10
- 1789 — — — **variabilis**, slate blue, marbled; 1 ft. .10
- 1790 — — — **grandiflora**, an improved variety, with unusually large flowers of great substance; mixed colors. .10
- 1799 — — — **fine mixed** .05
- 1800 — — — **Collection of 12 distinct varieties**. .75

PHLOX, PERENNIAL.

One of the finest of herbaceous plants, for beds or mixed borders. The seed offered is saved from the newest and best varieties; hardy perennials.

- 1801 **Phlox, perennial**, finest hybrid. .25
- 1802 — **fine mixed**. .10

PICOTEE PINK.

Favorite and well-known plants of great beauty, combining with the most perfect form the richest colors. They have a delicate perfume, and are easily cultivated; half-hardy perennial.

- 1810 **Picotee Pink**, saved from the most desirable varieties; 1½ ft. .50
- 1811 — **German mixed**, double. .25
- 1812 — **good mixed**, fine border varieties. .10

PINK (*Dianthus Plumarius*, fl. pl.).

A well-known and highly valued plant, remarkable for its great beauty, easy culture, and accommodating habit, growing freely, and flowering profusely, either in pots, in the greenhouse, or in the open border; hardy perennial.

- 1815 **Pink (Florists' or Paisley)**, from the finest named varieties. Flowers with white ground, beautifully blotched and edged with different shades of purple. .25
- 1816 — **Brown's mule**, a very free-flowering variety; 1 ft. .15

No. POLYANTHIUS. Price.

Splendid Spring-flowering plants, either for pot-culture or the open border; hardy perennials.

- 1825 **Polyanthus mixed** (*Prinula elatior*), fine border varieties; ¾ ft. \$0.10
- 1826 — **splendid mixed**, extra choice; ¾ ft. .25

POPPY.

A genus of showy, free-flowering plants, producing a rich and effective display in large mixed borders, or select plantations.

ANNUAL VARIETIES.

- 1830 **Poppy, carnation**, double mixed; 2 ft. .05
- 1831 — **French, or Rannuculus**, double; 2 ft. .05
- 1832 — **parouy-flowered**, double; 2 ft. .05
- 1833 — **scarlet**, single; 2 ft. .05
- 1834 — **somiferum (opium)**, white. .05
- 1835 — **umbrosum**, immense flowers of a brilliant crimson, with a large black blotch at the base of each petal; very showy; 1½ ft. .25
- 1839 — **Collection of 12 double varieties**. .50

PERENNIAL VARIETIES.

- 1840 **Poppy, bracteatum**, orange crimson; very large and handsome. .10
- 1841 — **crocum**, orange; 1 ft. .10
- 1842 — **orientale**, deep scarlet, with large black blotches; 2½ ft. .10

PORTULACA.

For brilliant, beautiful, and delicate colors, this charming genus stands unrivaled, and whether in baskets, small beds, edgings, or rock-work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds best in light, gravelly soils, or mixed with lime rubbish; half-hardy annuals.

- 1845 **Portulaca alba**, pure white; ½ ft. .05
- 1846 — **aurea**, golden yellow; ½ ft. .05
- 1847 — **caryophylloides**, finely striped; ½ ft. .05
- 1848 — **purpurea**, purple; ½ ft. .05
- 1849 — **rosa**, delicate rose; ½ ft. .05
- 1850 — **scarlet**, very brilliant; ½ ft. .05
- 1851 — **splendens**, rich crimson; ½ ft. .05
- 1859 — **mixed**, from above. .05
- 1860 — **grandiflora**, fl. pl. These seeds have been selected from large double flowers of the most beautiful and brilliant colors, and will produce a large proportion of double flowers of unsurpassed beauty; mixed. .20
- 1864 — **Collection of 8 double varieties**. .75

POTENTILLA.

Handsome flowering herbaceous plants, exceedingly useful and ornamental in mixed flower borders, lasting a long time in bloom; hardy perennials.

- 1865 **Potentilla, double**, choice varieties, mixed; 1 ft. .25
- 1866 — **single**, finest mixed; 1½ ft. .10



No. 1831.—Poppy, double French.

No. 1879.—Primula sinensis fimbriata alba
magnifica.

No. PRIMROSE. Price.

One of the most useful and earliest Spring flowers we have; the well-known yellow variety being unexcelled for brilliant effect, whether employed to brighten the flower garden, decorate rockeries, or other semi-wild locations; hardy perennial.

1870 **Primrose**, choice mixed; $\frac{3}{4}$ ft.\$0.25

PRIMULA.

A charming, profuse-flowering plant, indispensable for Winter and Spring decoration in the conservatory or sitting-room; the seed we offer has been saved from flowers remarkable for their size, color, and perfect form, and is of unsurpassed quality; greenhouse perennials.

1874 **Primula cortusoides**, rose lilac; a hardy variety; $\frac{3}{4}$ ft.10

1875 — **Japonica**, a hardy Japanese variety, of a splendid magenta color; $1\frac{1}{2}$ ft.25

1878 — **sinensis fimbriata alba**, pure white, fringed flowers50

1879 — — **alba magnifica**, a novelty of real merit; foliage deeply indented; the flowers, which are of immense size and great substance, are pure white, with a citron eye, and most beautifully fringed. 1.00

1880 — — **marginata**, lilac, bordered with white, one of the best50

1881 — — **rosea**, beautiful rose.50

1884 — — **mixed**, from fringed varieties. .50

1885 — — **filicifolia alba**, beautiful fern-leaved foliage, white.50

1886 — — **rosea**, fern-leaved, crimson lake, very showy.50

1887 — — **striata**, fern-leaved, striped. .50

1890 — — **mixed**, from fern-leaved varieties of brightest colors.50

1891 — — **alba fl. pl.**, double, white. 1.00

1892 — — **rosea fl. pl.**, double, rose. 1.00

1893 — — **scarlet**, double, very brilliant. 1.00

1896 — **Collection** of 12 choice varieties. 1.50

PYRETHRUM.

Handsome, free-flowering, highly ornamental plants, producing a fine effect in the mixed flower and shrubby borders; hardy perennials.

1900 **Pyrethrum atrosanguineum**, dark red, showy; 2 ft.10

1901 — **carneum**, flesh color; 2 ft.10

1902 — **double**, white; 2 ft.10

1903 — **Golden Feather** (*Partheniifolium aureum*), golden foliage; 1 ft.15

1904 — **hybrid fl. pl.**, double varieties, mixed. .25

1905 — **roseum**, light red; 2 ft.10

No. RHODANTHE. Price.

A well-known everlasting; valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning; half-hardy annuals.

1915 **Rhodanthe atrosanguinea**, purple crimson; 1 ft.\$0.15

1916 — **maculata**, rosy purple, with crimson center; $1\frac{1}{2}$ ft.15

1917 — — **alba**, white, very showy; 1 ft.15

1918 — **manglesii**, bright rose; 1 ft.10

1919 — — **fl. pl.**, double, bright rose.25

1920 — **minor compacta**, plants globular, blossoms freely, fine for pot-culture.25

1925 — **mixed**, from above.10

RHODODENDRON.

Well-known and magnificent free-flowering evergreen shrubs, which should occupy a prominent place in every garden.

1930 **Rhododendron ponticum**, mixed.25

RICINUS.

A magnificent and highly ornamental genus; the picturesque foliage and stately growth, combined with brilliant-colored fruit of the giant varieties, impart to select plantations, shrubbery, and mixed flower borders quite an oriental aspect. Grown as single specimens on lawns and pleasure-grounds, they form a striking feature; half-hardy annuals.

1935 **Ricinus Africanus albidus**, new, white fruited, stem and leaves silvery; 8 ft.10

1936 — **Borboniensis arborens**, very large and showy foliage; 15 ft.10

1937 — **Braziliensis**, dark green fruit; 10 ft.10

1938 — **communis** (*Castor Oil Plant*); 6 ft.05

1939 — **gigantens**, large and showy; 10 ft.10

1940 — **macrocarpus**, light green; 8 ft.10

1941 — — **nanus**, dwarf, for grouping; 3 ft.10

1942 — **sanguineus** (*Obermanii*), splendid red fruit in clusters, very ornamental, producing a grand effect; 10 ft.10

1943 — **species from Philippines**, gigantic foliage; 10 ft.10

1950 — **fine mixed varieties**.10

ROCKET (*Hesperis*).

Very pleasing early Spring flowering, profuse-blooming plants, with deliciously fragrant flowers, growing freely in any light rich soil; unlike most plants, they do better if transplanted every second season; hardy perennials.

1955 **Rocket**, sweet, purple; $1\frac{1}{2}$ ft.05

1956 — — **white**; $1\frac{1}{2}$ ft.05

1957 — — **mixed**; $1\frac{1}{2}$ ft.05



No. 1760.—Double-flowering Fringed Petunia.



No. 2125.—Sweet William, Auricula-flowered.



No. 1283.—*Ipomœa leptophylla*.
One-fourth the natural size.



No. 1986.—*Sanvitalia procumbens*, fl. pl.



No. 2025.—Sensitive Plant.

ROSE.
Too well known to require any description; the culture of the rose from seed is very simple, generally rewarding the amateur with flowers the second year.
1960 *Rose*, saved from choice varieties.....\$0.25

SALPIGLOSSIS.
Ornamental and useful plants for autumn decoration; their curiously penciled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, and ribbons; half-hardy annuals.
1965 *Salpiglossis*, choice mixed; tall; 2 ft. .10
1966 — — — dwarf varieties; 1 ft.10

SALVIA.
Magnificent bedding-plants, loaded with spikes of scarlet flowers, from July till October.

HALF-HARDY ANNUAL VARIETIES.
1970 *Salvia eceinea*, scarlet; 2 ft.10
1971 — — *nana compacta*, scarlet; ¾ ft.10
1972 — — *punicea*, new dwarf, scarlet; 1 ft. .10
1973 — *Rœmeriana*, crimson, dwarf; 1 ft. .10
HALF-HARDY PERENNIAL VARIETIES.
1974 *Salvia amabilis*, lavender blue; 2 ft. .10
1975 — *argentea*, silvery foliage; 3 ft.10
1976 — *patens*, splendid deep blue; 3 ft.15
1977 — *splendens*, bright scarlet; 2 ft.15

SANVITALIA.
Pretty, dwarf-growing, free-flowering plants, blooming all the season; hardy annuals.
1985 *Sanvitalia procumbens*, rich brown and yellow; ½ ft.10
1986 — — *fl. pl.*, a double variety of above, a profuse bloomer.10

SAPONARIA.
Charming little plants, flowering all the season; splendid for beds or ribbon borders; half-hardy annuals.
1990 *Saponaria Calabrica*, deep pink; ½ ft. .05
1991 — — *alba*, very pretty; ¾ ft.05
1992 — *ocymoides*, pink; hardy perennial. .10

SCABIOSA OR MOURNING BRIDE.
Handsome showy plants for mixed borders; flowers beautifully variegated; hardy perennials.
1995 *Scabiosa candidissima plena*, double, white; useful for florists; 1 ft.10
1996 — *major atropurpurea*, velvety dark purple; 2 ft.05
1997 — *nana, fl. pl.*, double; brilliant colors; mixed; 1 ft.05

SCHIZANTHUS.
Few plants are more attractive than these when well grown, whether in pots or in the border; they are of a branching, elegant habit, well covered with peculiar-shaped flowers; half-hardy annuals.
2000 *Schizanthus*, mixed, best varieties....\$0.10

SEDUM (Stonecrop).
Pretty little plants, growing freely on rock or rustic work, also on ornamental mounds, etc., where they flower in great profusion; hardy perennials.
2010 *Sedum cœruleum*, blue; ¾ ft.10
2011 — *fine mixed*20

SENSITIVE PLANT (Mimosa).
Very curious and interesting plants, their leaves closing if touched or shaken; half-hardy annuals.
2025 *Sensitive Plant*, pinkish white; 1½ ft. .05

SILENE OR CATCHFLY.
Ornamental, free-flowering plants, with bright and beautifully colored flowers; hardy annuals.
2030 *Silene pendula*, rosy purple.05
2031 — — *alba*, white; 1 ft.05
2032 — — *ruberrima*, rosy lilae, dark foliage .05
2033 — *psendo ateoion*, rosy pink; 1 ft.05
2034 — *Schafta*, lilae; hardy perennial; ½ ft. .05
— *fine mixed varieties* (see No. 655).

SMILAX.
A beautiful Winter climbing plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. It is extensively used for bouquets and floral decorations of every description.
2040 *Smilax* (strong roots, 25e. each)20

SOLANUM.
A very elegant, highly ornamental, and interesting genus of fruit-bearing plants; some of the varieties being singularly grotesque in fruit and foliage, while others are exceedingly handsome and attractive; half-hardy annuals.
2044 *Solanum capsicastrum* (*Jerusalem cherry*), covered all Winter with a profusion of scarlet fruit; 1½ ft.10
2045 — *ciliatum*, spiny, ornamental leaves, and scarlet berries. The fruit resembles a plum in shape and size; color bright scarlet .10
2046 — *Warszewiczoides*, fine foliage plant, with a robust growth, ornamental fruit.10

SPHENOGYNE.
A free-flowering plant, from South America; useful for beds, borders, or edgings; hardy annual.
2055 *Sphenogyne speciosa*, yellow; 1 ft.05



No. 2076.—*Stevia purpurea*.



No. 2092.—German Ten Week Stock,
Large-Flowering.

SPRAGUEA. *Price.*
A charming plant, with Anemathus-like flowers; extremely graceful and beautiful; very effective as an edging, or for rock-work; hardy perennial.
2060 *Spraguea umbellata*, white, shaded and spotted purple; $\frac{3}{4}$ ft. .\$.025

STATICE.

Exceedingly interesting plants, of easy culture. They are all very free-flowering, and remain a long time in bloom; the flowers are valuable for Winter bouquets; half-hardy annuals.
2065 *Statice Bondelli*, golden-yellow; 1½ ft. .10
2066 — *incana hybrida*, mixed colors; 1 ft. .10
2067 — *sinuata*, purple and white; 1 ft. .10
2068 — *spicata*, emerald-green foliage, rosy-pink flowers; 1 ft. .10

STEVIA.

A useful plant, either for pot-culture or the border; half-hardy perennial.
2075 *Stevia Lindleyana*, white. .10
2076 — *purpurea*, purple. .05

STOCKS.

The Stock Gillyflower is one of the most popular, beautiful, and important of our garden favorites, and whether for bedding, massing, edging, ribboning, or pot culture, it is unsurpassed either for brilliancy and diversity of color, or profusion and duration of bloom.

ANNUAL VARIETIES.

2085 *Stock, German dwarf, ten week*, brightest colors mixed; 1½ ft. .10
2086 — — *large-flowering*, bright crimson; 1½ ft. .15
2087 — — *canary yellow*; 1½ ft. .15
2088 — — *pure white*; 1½ ft. .15
2092 — — *large-flowering*, many varieties mixed, extra fine. .20
2093 — — *Collection of 12 distinct colors*. .75
2094 — — *pyramidal*, splendid colors mixed. .15
2095 — — *tree, or giant*, many colors mixed. .15
2096 — — *wall-flower-leaved*, pure white, extra fine, very desirable for bouquets. .20
2097 — — *wall-flower-leaved*, finest colors mixed. .20
2098 — — *Collection of 6 distinct colors*, wall-flower-leaved. .75

No. **STOCKS.—Cont'd.** *Price.*

BIENNIAL AND PERENNIAL VARIETIES.

Intermediate Stocks are prized on account of their flowering late in Autumn; also as pot-plants for early Spring blooming, for which purpose sow the seed in July or August.
2099 *Stock, intermediate*, purple; 1 ft. .\$.015
2100 — — *scarlet*; 1 ft. .15
2101 — — *white*; 1 ft. .15
2102 — — *wall-flower-leaved*, snow-white, a great improvement in this class, bearing immense pure white flowers. .25
2103 — — *Collection of 8 distinct colors*. .60
This section may be treated in the same manner as the Intermediate; and will last several years, if protected from the frost. The Brompton is a biennial of branching habit, producing a grand display when in bloom.
2104 *Stock, Brompton*, purple; 2 ft. .15
2105 — — *scarlet*; 2 ft. .15
2106 — — *white*; 2 ft. .20
2107 — — *mixed*. .15
2108 — — *Emperor, or perpetual*, new large-flowering mixed; 1½ ft. .15
2109 — — *Collection of 6 distinct colors*. .50
2110 — *French Winter, or Cocardeau*, a beautiful variety for pot-culture, fine mixed varieties. .15
2111 — — *Collection of 5 distinct colors*. .50
2112 — *Hardy's All the Year Round*.
This variety produces fine spikes of double, white flowers from January to December. The plants grow about 12 inches high, and if plenty of room is given, 3 feet through, and will produce hundreds of blooms, fully 75 per cent. of which will be double. .25
SULTAN (*Centaurea Moschata*).
Sweet-scented, profuse-flowering plants, very effective in mixed or scrubby borders; produce a very showy and striking effect; the flowers emit a delicate honey perfume, and are much prized for bouquets; grow freely in rich soil; hardy annuals.
2115 *Sultan, sweet*, purple; 1½ ft. .05
2116 — — *white*; 1½ ft. .05
2117 — — *beautiful yellow*; 1½ ft. .05

SUNFLOWER.

(See *Helianthus*, Nos. 1195 to 1204.)



No. 2220.—Group of Seedling Verbenas (*Verbena hybrida*).



No. 2155.—*Thunbergia alata*.



No. 2172.—*Tricosanthes colubrina*.

No.	SWEET WILLIAM.	Price.
A well-known, free-flowering, popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable; hardy perennials.		
2125	Sweet William, auricula-flowered , a very handsome variety, producing immense trusses of bloom; 1½ ft.	\$.20
2126	— — double-flowering , mixed; 1½ ft.	.10
2127	— — nigricans , dark crimson; 1½ ft.	.10
2128	— — white , useful for bouquets; 1½ ft.	.10
2135	— — fine mixed	.05

TACSONIA.

Magnificent climbers, which, for dazzling brilliancy and beauty of flower are unsurpassed. The flowers are suspended on thread-like filaments, and give the roof of the conservatory the appearance of being studded with star-lights; greenhouse climber.

2140 **Tacsonia Van Volxemi**, intense scarlet flowers, followed by fruit of a pleasant sub-acid flavor.25

TAGETES.

Beautiful and delicate fern-leaved plants, forming compact bushes covered with neat bright-colored blossoms; half-hardy annuals.

2145 **Tagetes pumila**, bright yellow with a reddish-brown stripe; 1 ft.10

2146 — **tenuifolia**, a pretty miniature variety, orange flowers, delicate foliage.10

THUNBERGIA.

A genus of slender and rapid-growing climbers, with extremely pretty and much admired flowers, which are freely produced; half-hardy annuals.

2155 **Thunbergia alata**, orange, rich brown eye; 4 ft.10

2156 — **alba**, white, with dark eye; 4 ft.10

2157 — **aurantiaca**, orange, dark eye; 3 ft.10

2158 — **Bakerii**, pure white; 4 ft.10

2161 — **mixed**, from above.10

2162 — **Collection** of 5 choice varieties.50

TORENIA.

On account of its comparatively recent introduction, this charming plant is but little known. For hanging-baskets or culture in pots, it is unsurpassed, and during the warmer months of the year its brilliant florescence adds a pleasing variety to outdoor decoration; tender annuals.

2165 **Torenia Bailioni**, golden yellow, with dark throat; distinct and beautiful.25

2166 — **Fournieri**, azure blue, spotted.25

No.	TRICOSANTHES.	Price.
Beautiful plants, with long, elegant, serpent-like fruit; half-hardy annuals.		
2172	Tricosanthes colubrina , serpent cucumber; from 5 to 6 feet in length; when ripe, is of a brilliant carmine.	\$0.10

TRITOMA.

Interesting and showy plants, popularly known as *Red-hot Poker*, on account of the color of the flower-spikes, which are produced in great profusion, and remain a long time in bloom; hardy perennial.

2175 **Tritoma uvaria grandiflora**, bright orange-scarlet; 4 ft.25

TROPAEOLUM.

Elegant growing, profuse-flowering, and easily cultivated climbers, combining with these important qualities great richness and brilliancy of color; with finely formed and beautifully marked flowers, for covering trellises, verandas, and bowers; for bedding purposes they are unsurpassed; half-hardy annuals.

2181 **Tropeolum lobbianum Caroline Schmidt**, deep scarlet.15

2182 — — **Due de Luynes**, dark crimson.15

2183 — — **Grand des Batailles**, brilliant carmine; fine.15

2184 — — **Lucifer**, very dark crimson.20

2185 — — **Napoleon III.**, yellow, striped with rosy scarlet.15

2186 — — **Queen Victoria**, vermilion and scarlet; very showy.15

2187 — — **Triomphe de Gand**, orange-scarlet; distinct and beautiful.15

2188 — — **Roi des Noirs**, almost black.15

2189 — — **Spitfire**, brilliant scarlet; showy.15

2190 — — **brown**, beautiful dark brown; vigorous and abundant bloomer.15

2195 — — **finest mixed varieties**.15

— **peregrinum** (*Canary Bird Flower*), yellow, highly ornamental, and deservedly a general favorite (*see No 580*).

TUBEROUS-ROOTED VARIETIES FOR IN-DOOR CULTURE ONLY.

2196	Tropeolum azureum , sky blue, very delicate and beautiful. . . . . .	.50
2197	— — pentaphyllum , scarlet, tipped with green; graceful foliage. . . . . .	.25
2198	— — tricolorum , scarlet, yellow, and black; very handsome. . . . . .	.25



No. 2195.—*Tropaeolum lobbianum*.



No. 2265.—*Viscaria*.

No. VALERIAN. Price.
 Showy plants for mixed borders or shrubberies, bearing large corymbs of bright flowers; bears shade and moisture well; hardy perennial.
 2200 **Valerian**, all colors, mixed.....\$0.05

VENUS' LOOKING-GLASS.
 A free-flowering pretty little plant adapted for beds or rock-work, ribbons or edgings. The plants form a small spreading mass of about nine inches high, and may be had in bloom for the whole summer by successive sowing; hardy annuals.
 2205 **Venus' Looking-glass**, mixed colors. .05

VERBENA.
 Unrivalled in the splendor of its dazzling brilliancy, the Verbena is the most effective bedding plant in cultivation: it blooms from seed the first season; half-hardy perennials.

- 2210 **Verbena hybrida auricula flora**; choice mixed varieties, with white center... .25
- 2211 — **candidissima**, immense trusses of pure white flowers..... .25
- 2212 — **cerulea**, beautiful blue, constant .25
- 2213 — **Defiance**, beautiful rich scarlet... .25
- 2214 — **Italian striped**, mixed..... .25
- 2220 — **choice mixed**..... .25
- 2221 — **fine mixed**..... .10
- 2222 — **aubletia**, reddish purple..... .05
- **lemon scented** (see No. 298).
- 2223 — **montana**, a perfect gem; the plant literally covers itself during the Summer with its bright rose-colored flowers; perfectly hardy..... .20
- 2224 — **teucroides odorata**, fine white, fragrant..... .10
- 2225 — **venosa**, violet purple, good bedding-plant, trailer..... .05

VERONICA.
 Showy plants for pot-culture or the open border; they require but little attention, as they grow with the greatest facility, and are readily increased by partition of the roots; half-hardy annuals.

- 2230 **Veronica Syriaca**, bright blue and white; ½ ft..... .10
- 2231 — **alba**, white; ½ ft..... .15

VINCA.
 Highly ornamental, free-flowering, compact, green-house, evergreen shrubs, with shining green foliage and handsome circular flowers.

- 2235 **Vinca rosea**, rose; 1½ ft..... .10
- 2236 — **alba**, white with crimson eye; 2ft .10

No. VIOLA (Violet). Price.
 Well-known plants, suitable for edgings, groups, or mixed borders, and much in demand on account of their pleasing fragrance and profusion of bloom, which lasts from early Spring throughout the Summer months; hardy perennials.

- 2255 **Viola cornuta alba**, white.....\$0.25
- 2246 — — **mauve queen**, deep mauve blue... .10
- 2247 — — **lutea grandiflora**, golden yellow. .25
- 2250 — **odorata semperflorens**, sweet-scented violet; ½ ft..... .25
- 2251 — — **The Czar**, light violet, large and fragrant..... .25
- 2252 — — **The White Czar**, a white variety of the preceding, producing an abundance of immense fragrant flowers..... .25

VIRGINIAN STOCK.
 Extremely pretty, profuse-flowering little plants, effective for small beds, baskets, or as edgings; they grow freely anywhere, and if sown early in February, they generally bloom in April or May; hardy annuals.

- 2260 **Virginian Stock**, red and white, mixed .05

VISCARIA.
 Pretty, profuse-flowering plants, for beds, ribbons, or mixed borders; they do best in an extremely light soil, liberally mixed with old mortar, powdered bricks, or similar substance; hardy annuals.

- 2265 **Viscaria**, mixed colors; 1½ ft..... .10

WAITZIA.
 A charming section of everlastings, equally valuable for pot-culture and the flower-border. For Winter bouquets, pick the flowers before they fully expand; half-hardy annuals.

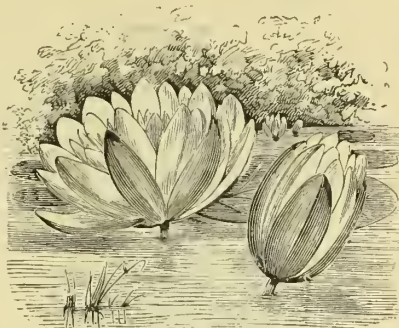
- 2266 **Waitzia aurea**, brilliant yellow; 1½ ft. .15
- 2267 — **corymbosa**, bright red; 1½ ft..... .15

WALL-FLOWER.
 The flowers of the Wall-flower are deliciously fragrant, and greatly prized; the large, massive, conspicuous spikes of the double German varieties have a charming effect, while the more bushy, compact growth and profuse-blooming of the single ones render them exceedingly attractive; half-hardy perennials.

- 2270 **Wall-flower**, canary yellow; 2 ft..... .25
- 2271 — **dwarf**, mixed; 1 ft..... .25
- 2272 — **finest double**, German mixed; 2 ft... .25
- 2273 — **Harbinger**, rich blood-red; 1 ft..... .25
- 2274 — **single**, mixed..... .05
- 2278 — **Collection** of 8 distinct colors..... .75



No. 2272.—Wall-flower, double.



No. 2280.—Water-Lily.

No. **WATER-LILY** (*Nymphaea*). *Price.*
 The variety we offer is the true fragrant White Water-Lily, and can be cultivated with far less trouble than most people imagine. Its home, of course, is in ponds and streams, but it can be successfully grown in tubs and aquariums; in fact, some of the loveliest Lily Gardens are frequently met with in some such artificial device.
 2280 **Water-Lily** (*Nymphaea odorata*), white, \$0.25
 — **Roots**, 40 cents each, \$4.00 per dozen.

WHITLAVIA.

One of the most charming California introductions; very effective for bedding, ribboning, or mixed borders; hardy annuals.
 2282 **Whitlavia grandiflora**, violet blue; 1 ft. .05
 2283 — — **alba**, pure white; 1 ft. .05
 2284 — **gloxinoides**, tube of corolla pure white, lines of a delicate light blue. .05

WIGANDIA.

Grand and magnificent plant, with stupendous leaves richly veined, and stems covered with crimson hair. Of rapid growth and splendid habit, it forms one of the finest objects amongst ornamental-foliaged plants, to impart a tropical aspect to a garden, or for conservatory decoration; half-hardy perennials.
 2286 **Wigandia Carraensana**, lilac; 7 ft. .25
 2287 — **Vigierii**, superb, glaucous foliage; 8 ft. .25

WINTER CHERRY
 (*Physalis Alkekengi*).

There are several species of this plant, but the hardy variety which we offer is the best-known one. It bears scarlet, cherry-like fruit, inclosed within an enlarged calyx, which also assumes a bright red color, and thus renders the plant very ornamental in the beginning of the Winter season.
 2290 **Winter cherry**, very showy. .10

WISTARIA.

One of the most elegant and rapid-growing of all climbing plants; attains an immense size; frequently grows at the rate of 15 or 20 feet in a season; produces long pendulous clusters of flowers early in Spring; hardy shrub.
 2292 **Wistaria sinensis**, pale blue. .20

YUCCA (Adam's Needle).

Splendid, showy, hardy plants, with aloë-like foliage, bearing a close panicle of cream-colored, drooping, tulip-like blossoms; plant the seed where it will remain undisturbed, as the plant takes some time to arrive at perfection.
 2294 **Yucca**, mixed varieties. .20

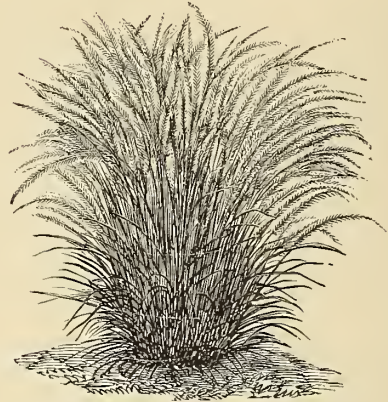
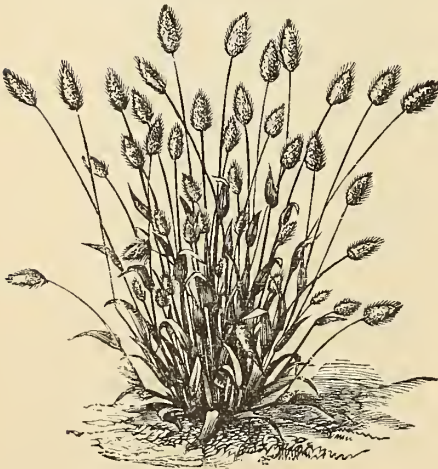
No. **ZERANTHEMUM.** *Price.*

A showy class of Everlastings; the flowers, when gathered young, are useful for Winter bouquets; they are among the most easily cultivated of annuals, requiring only to be sown, about May, in the open border, and thinned out for flowering; for succession, sow at intervals of a month; hardy annuals.
 2295 **Zeranthemum album fl. pl.**, double white; 2 ft. \$0.10
 2296 — **ceruleum fl. pl.**, double blue; 2 ft. .10
 2297 — **superbissimum fl. pl.**, new, distinct, and very double; undoubtedly the best form of this flower ever offered; blue; 1½ ft. .25
 2298 — — **album fl. pl.**, a white variety of the preceding, even more desirable for bouquets on account of the color; 1½ ft. .25

ZINNIA ELEGANS.

The double Zinnia is one of the sterling novelties of recent years. The flowers are large, beautifully formed, and exceedingly handsome. Few plants in the flower border are more effective; and scarcely any flower, when cut, is more suitable for table bouquets; being of rather robust habit, it requires but moderately rich soil; the seed may be sown in the open ground or in heat, according to the time it is desired to flower; half-hardy annuals.

2305 **Zinnia Elegans fl. pl. alba**, pure white. .10
 2306 — — — **anrea**, golden yellow. .10
 2307 — — — **coccinea**, scarlet. .10
 2308 — — — **kermesina**, crimson. .10
 2309 — — — **lilacina**, lilac. .10
 2310 — — — **purpurea**, purple. .10
 2311 — — — **striata**, magnificent colors, shaded and striped. .10
 2314 — — — **finest double varieties, mixed.** .10
 2315 — — — **Collection of 8 distinct varieties.** .60
 2316 — — — **single varieties, mixed.** .05
 2317 — **Haageana fl. pl.**, a new double variety, of nice habit, and bright, soft, orange-colored flowers. .10
 2318 — — **pumila fl. pl.**, dwarf, flowers very brilliant and double. .10
 2319 — — **tagetiflora fl. pl.**, new double, petals quilled like *Globe Aster*. .10
 2320 — **Elegans nama alba fl. pl.** This splendid novelty supplies a long felt want in the shape of a thoroughly good miniature-flowered dwarf white Zinnia, which, for florists' use, must be invaluable. It is compact in habit, while in color, form, and size of flower it is simply perfection. .25

No. 2348.—*Briza maxima*.No. 2442.—*Bromus brizæformis*.No. 2332.—*Agrostis nebulosa*.No. 2482.—*Stipa pinnata*.No. 2385.—*Lagurus ovatus*.No. 2347.—*Briza gracilis*.

CHOICE FLOWER SEEDS IN QUANTITY.

(For description of which, see preceding pages.)

As many of our customers require larger quantities of Flower Seeds than are usually sold in packets, we offer a few of the leading sorts by weight. They have been selected as the most effective and ornamental for bedding, edgings, or similar situations, and will be found most economical where extensive sowings are required.

The numbers prefixed refer to their position in the body of the Catalogue. We will mail free, at prices quoted, but no discount or premium can be allowed; and unless the price exceeds fifty cents per ounce, not less than one ounce packets will be sold.

No.	Per oz.	No.	Per oz.
266	\$.50	1333	\$.60
267	.50	1335	.50
278	.75	1355	.50
300	.75	1378	.75
309	.75	1409	2.00
312	.50	1438	.50
353	1.00	1478	.50
354	.75	1489	.50
368	.75	1507	.30
413	1.00	1544	.30
418	4.00		
429	.75	1545	.20
452	.50		1.00
455	1.50	1605	.50
456	1.50	1620	.30
457	2.00	1630	.40
459	.60	1679	10.00
470	.50	1680	10.00
505	.75	1700	4.00
545	.50	1701	2.00
580	1.00	1716	.50
583	.50	1718	.20
584	.40	1720	.20
587	.60	1721	.15
595	.40	1722	.50
616	.50	1723	.15
621	1.00	1730	.10
624	.75	1770	1.00
635	.75	1799	.75
670	1.00	1830	.50
741	1.00	1859	.60
758	.50	1860	5.00
800	.50	1903	2.00
818	.25	1950	.30
830	.30	1965	1.00
868	.60	1977	5.00
870	.75	1997	.75
915	1.00	2000	.75
957	.50	2025	.75
1010	.50	2040	3.50
1015	.50	2092	4.00
1020	1.00		2.00
1088	.40	2085	.75
1110	.60	2125	.50
1130	.50	2135	.50
1240	.50	2161	.50
1245	5.00	2221	2.50
1246	1.00	2260	.50
1271	.40	2314	.75
1310	.75	2316	.50

WILD GARDEN SEEDS.

The introduction of these has proved a most marked success, and we are daily in receipt of the most satisfactory evidence of the estimation in which the wild garden is held, wherever this modest phase of floriculture has found a home. Any one who has planted and cultivated flowers in neatly laid out beds or carefully planned ribbon borders is aware of the amount of labor and constant attention necessary to produce the desired effect. To those who cannot give this care, the "Wild Garden" presents a substitute which, for its unusual and varied effects, for cheapness and the small amount of labor necessary for its construction, has no rival. "Wild Garden Seeds" are a mixture of over one hundred varieties of hardy Flower-seeds, and being mixed together can be offered at a much less price than when sold in separate packets. No one who has not seen such a bed can form an idea of its possibilities, the different seasons of bloom insuring something new almost every day. Half-ounce packets, with full cultural directions, 25 cents.

DRIED NATURAL FLOWERS.

IMMORTElLES, MOSSES, GRASSES, Etc.

In Great Demand for making into Wreaths, Crosses, Winter Bouquets, Christmas Decorations, etc.



Original Bunch.

They are particularly desirable on account of their durability, as they retain their form and brilliant colors for a long time, besides being very cheap.

French Immortelles.—In original bunches, about 8 inches in diameter; if sent by mail, 10 cents per bunch extra.

	Per bunch.
White	\$0.60
Golden Yellow .....	.40
Green .....	.60
Rose .....	.75
Spotted .....	.60
Blue .....	.75
Orange .....	.60
Violet .....	.60
Red .....	.60
Magenta .....	.75

Mixed colors, per bunch, 75 cents; small bunches, 30 cents.



Single Stem.

DRIED NATURAL AND DYED ORNAMENTAL GRASSES.

	Per doz.	Lb.
Agrostis nebulosa. —An elegant and beautiful ornamental Grass, one of the finest and especially designed for fine flower work; grayish green, natural color	\$0.20	\$2.25
— Various colors mixed .....	.30	3.00
Briza maxima (Quaking Grass). —Natural color .....	.20	2.00
— Various colors mixed .....	.30	3.00
Bromus briziformis. —A beautiful Grass with elegant hanging ears, natural color .....	.15	1.50
— All colors mixed .....	.25	2.50
Cape Flowers. —White, per dozen, 20 cents. In choice colors, per dozen, 25 cents.		
Ferns. —Hartford or Climbing Ferns, 50 cents per dozen.		
Gynerium argenteum (Pampas Grass). —From California. Beautiful silvery plumes, 12 to 36 inches in length—the most showy of all the varieties for the decoration of rooms during the Winter months; 10 to 40 cents each, according to size and quality. Per dozen, \$2.00 to \$4.00; in choice colors, 50 cents to 75 cents each. By mail, 10 cents each must be added for packing and postage.		
Lagurus ovatus (Hare's Tail Grass). —One of the most elegant Grasses, natural color .....	.20	2.25
— Various colors mixed .....	.25	3.00
Phragmites communis (Plume Grass). —Very graceful, natural color. Per dozen stems, 50 cents; per hundred, \$3.00.		
Stipa pennata, or Feather Grass. —Magnificent Grass of feathery appearance, first quality, natural color, on the stem .....	.25	2.50
Stipa pennata. —Selected specimens in bunches of about ½ ounce each, natural color, plain pure white. Per bunch, 25 cents; per dozen bunches, \$2.75.		
— Various colors mixed. Per bunch, 35 cents; per dozen bunches, \$3.50.		
Static incana hybrida. —Owing to its elegant shape and handsome colors it is indispensable for all fine flower-work, bouquets, wreaths, garlands, etc. Natural colors .....	.15	1.50
Uiola paniculata (See Oats). —Very graceful, and one of the finest for the modistes, or for Winter decoration. Per dozen stems, 25 cents; per hundred, \$1.50.		
— Various colors mixed. Per dozen stems, 40 cents; per hundred, \$2.50.		
Wheat and Oats bleached .....	.20	2.50
Round Bouquets. —Made from colored grasses, immortelles, etc., very showy and durable. 25 cents, 50 cents, 75 cents, \$1.00, \$2.00, \$3.00 each, according to size.		
Feather-Grass Bouquets. —Very beautiful, 75 cents, \$1.00, \$1.50, \$2.00 each.		

Colored Mosses. Green, purple, and red, in boxes of one dozen bunches each, 10 cents per bunch; 75 cents per box.
Moss.—For Bouquets, Wreaths, Garlands, etc., green, per bunch, 20 cents; per dozen, \$2.00.
Moss.—Black and red, per bunch, 25 cents; per dozen, \$2.50.
 For a more complete list of Dried Ornamental Grasses, etc., see Autumn Catalogue.

IMPERISHABLE WREATHS AND CROSSES

Of leaves and flowers for tombs and various decorative purposes, unaffected by the weather, heat, or dust. Much admired everywhere. They can be had in three styles, viz.: entirely of metal, of metal leaves and porcelain flowers, entirely of porcelain in various patterns.

Prices from \$2.00 to \$10.00 each.





GLADIOLUS.

SUMMER FLOWERING BULBS.

GLADIOLUS.

Rare and Beautiful French and Belgian Hybrids of *Gladiolus Gandavensis* sent by mail, post-paid, upon receipt of price affixed.

Our collection of this magnificent tribe of plants is one of the most extensive in this country, and embraces many new and rare varieties not before offered.

The colors comprise the most brilliant of orange, scarlet, and vermilion tints upon yellow and orange grounds, including a graduated scale of intermediate shades—from white with rosy blush and salmon rose tints to salmon red and nankeen; from blush white, with purple crimson throat and marginal streaks of pink, to light rosy salmon grounds with flakes of deep carmine. Thus, from white up to rose, and rose to the brightest and deepest crimson, and from crimson to the brightest orange, flame, and scarlet, this very splendid selection affords a combination of the richest conceivable colors, which no other *genus* can offer.

To keep up a constant flowering from July to September, it is only necessary to plant at the end of March or early in April a portion of the bulbs (choosing the smallest), a second portion about the end of April, a third about the 15th of May, and the last at the end of May—preserving the largest bulbs for the last planting.

The culture of these is attended with no difficulty. It is only necessary to plant them in ordinary garden mold; they object to no soil but a stiff clay, and succeed best in good earth, manured well with well-rotted horse-dung. If planted in rows, the rows ought to be from eleven to thirteen inches apart, and the bulbs in each row from six to ten inches apart, according to the size of the bulbs. Depth of planting, two to two and a half inches. While growing they must be copiously watered, if the season is dry. In the Autumn, when the stalks are quite dry, the bulbs are to be taken up and placed in a dry place—better on shelves—protected from the frost, where they will keep well till needed for planting again. The stalks cut from the *Gladiolus* flourish well in water; the buds, slightly developed, expand readily, and continue to flower for some time. Pretty bouquets for rooms can be made by mingling them with light branches like the Tamarisk, the Asparagus, or leaves of the smaller reeds.

NEW VARIETIES FOR 1882.

- Cervantes.**—Flowers very large, of bright rose-color, slightly tinged lilac, and profusely streaked and suffused with carmine and pure white band on each petal. \$3.50 each.
- Dr. Fontan.**—Close spike of well-opened flowers, rosy-lilac, blotched with bright carmine, specially on the edges; fine plant, very distinct. \$3.75 each.
- Flambeoyant.**—Beautiful spike of large flowers, fiery scarlet; very effective variety. \$4.00 each.
- Jeanette.**—Large bright rose flowers, richly striped and blotched with rosy carmine at the edges; close spike, very fine. \$3.50 each.
- Mabel.**—Splendid spike of large, perfect flowers, pure white in the center, and blotched with brilliant carmine at the edges; extra fine. \$3.75 each.
- Mlle. Marie Verdalle.**—Very fine and large flowers of rosy-salmon ground, flamed and striped vermilion and dark carmine; large creamy-white blotch streaked violet. \$4.50 each.
- Mount Etna.**—Long spike of large, well-arranged flowers of the most brilliant velvety scarlet, slightly streaked with deeper scarlet at the edges, white band in the center of the upper petals; very effective variety. \$4.00 each.
- Opale.**—Fine spike of large flowers of extremely delicate rose; a charming variety of the freshest color. \$3.50 each.
- Teresita.**—Lovely and very distinct flower, upper petals of pure white suffused with rose and striped carmine at the edges, lower petals pale rose largely blotched and striped with bright violet, stamens white. \$3.50 each.

NEW VARIETIES, INTRODUCED IN 1881.

- Anrore.**—Bright salmon rose, striped orange, carmine, and lilac, blotched cherry rose, streaked violet. Very bright, lovely shade. \$3.50 each.
- Brcmoutier.**—Bright rose, profusely tinted with carmine, pure white blotch, and bands streaked with violet. Fine effective spike. \$3.50 each.
- Caméleon.**—Fine compact truss of large slaty lilac flowers, flamed with orange, white bands down the middle of each petal; large creamy white blotch, streaked with violet. \$3.50 each.
- Corinne.**—Magnificent spike of large rosy carmine flowers, shading off to cherry, streaked pure white and penciled carmine at the edges; blotch creamy white striped with violet. \$3.75 each.
- Dalila.**—Very finely arranged spike of large bright rose flowers, streaked and flamed with carmine; very large pure white blotch. \$4.00 each.
- Eclair.**—Compact spike of middle-sized flowers, bright scarlet, flamed with fiery red; blotch pure white, with broad white bands in the middle of each petal. \$3.50 each.
- Gulliver.**—Tall spike of large bright carmine flowers, with conspicuous white bands in the middle of each petal; pale yellow blotch slightly streaked with violet. \$3.50 each.
- Hermione.**—Compact spike, well furnished, medium-sized flowers of white ground, entirely covered with numerous and delicate lilac and carmine stripes; large pure white blotch slightly streaked with violet. \$3.50 each.
- Lesseps.**—Superb flower of clear white ground, profusely striped and bordered with bright carmine; magnificent spike of large, well-expanded flowers, presenting a very striking contrast of colors. \$4.00 each.
- Tulna.**—Fine spike of rosy carmine flowers, flamed with bright carmine, striped with scarlet and pale violet; blotch amaranth red speckled with sulphur yellow. \$3.50 each.
- Victor Jacquemont.**—Splendid compact spike of bright orange flowers, profusely flamed with scarlet; violet ground; blotch bright violet streaked and speckled with pure white. \$4.00 each.

GLADIOLUS—GENERAL COLLECTION.

Purchasers selecting one dozen varieties from the following list will be entitled to a discount of five per cent. from Catalogue prices; twenty-five varieties, discount of ten per cent.; fifty varieties, fifteen per cent.; the entire collection, twenty per cent.

As our stocks of some of the varieties become exhausted as the season advances, purchasers will please state whether they wish any other substituted, in the event of our being out of the variety ordered.

	Each.		Each.
Addison. —Dark amaranth with white stripes.	\$0.30	Horace Vernet. —Bright purple red, large pure white blotch, feathered red.	\$0.50
African. —Slaty brown on scarlet ground, streaked with scarlet and pure white, with conspicuous white blotch; of remarkable effect on account of the novel color.	1.50	Ida. —White ground, tinted rose, lower petals light yellow.	.10
Agatha. —Rose, suffused with lake, flamed with carmine amaranth, clear yellow spots.	.25	Imperatrice Eugenie. —White, blazed rose.	.40
Alexander. —Intense crimson scarlet.	.30	Isabella. —Pure white, with dark carmine blotch (per doz., \$3.00).	.30
Amalthée. —Pure white, large violet-red blotch, ground of the corolla velvety violet, the lower petals slightly tinted with lilac.	.30	Isaac Buchanan. —The best yellow variety grown.	.30
Anais. —Crise, tinted orange.	.40	James Carter. —Light orange red, with large white blotch.	.10
Angèle. —White, showy and effective.	.25	Jaucs Veitch. —Bright crimson, violet blotch	.40
Anna. —Light vermillion, crise (per doz., \$3.00)	.30	James Watt. —Light vermillion, white blotch, rose streak	.30
Antigone. —Delicate rose, flamed with carmine	.60	John Bull. —White, slightly tinged with sulphur and lilac spots.	.10
Antiope. —Light orange cherry, with carmine blotch on white ground.	.25	La Candeur. —White, with delicate carmine-violet stripes.	.75
Antonius. —Scarlet cherry, white center.	.10	Lacepede. —Rose, tinged with cherry and violet	.40
Arsinoc. —Satin rose, flamed with carmine (per doz., \$2.00).	.20	La Favorite. —Rose lake, mottled rose.	.40
Atlas. —Well furnished spike with numerous large flowers, transparent white, slightly tinged with lilac and conspicuously striped with bright violet.	2.50	La Fiancee. —Pure white, bluish violet blotch	.50
Baroness Burdett Counts. —Delicate lilac, tinged with rose, flamed with rosy-purple, spike very long, flowers unusually large; a decided acquisition.	2.50	Laura. —Light orange red, flamed carmine, white blotch (per doz., \$1.50).	.15
Belle Gabrielle. —White, shaded lilac rose.	.50	Le Dante. —Dark rose, pure white blotch.	.30
Beatrix. —White ground, flushed with lilac.	.75	Le Poussin. —Light red, white blotch (per doz., \$1.50).	.15
Bernard de Jussieu. —Violet, tinted cherry.	.10	Leviathan. —Immense spike of enormously large flowers of a very delicate bright rose-color, flamed and striped with carmine, amaranth blotch on creamy white ground.	.75
Bernard Palissy. —Crise scarlet.	.25	Le Vesuve. —Fine intense fiery red, very rich	.50
Brenchleyensis. —Rich vermillion scarlet (per doz., 50c.; per hundred, \$3.00)	.08	Lord Byron. —Intense scarlet, pure white flakes (per doz., \$1.00)	.10
Camille. —Extra large flowers of a beautiful magenta lilac color, shaded toward the center, flamed and feathered with dark lilac	1.00	Mme. Adele Souchet. —White, flamed with carmine	.20
Canari. —Canary, striped purple.	.20	Mme. Basseville. —Cherry, with purple blotch on white ground (per doz., \$2.00)	.20
Ceres. —Pure white, mottled rose-purple (per doz., \$2.00)	.20	Mme. Binder. —White, striped carmine	.35
Charles Dickens. —Delicate rose, marbled carmine	.25	Mme. de Seigne. —Crise, white center.	.30
Cherubini. —White, flamed carmine violet.	.15	Mme. Desperes. —White, mottled rose lilac.	1.00
Citrimis. —Sulphur yellow (per doz., \$3.00)	.30	Mme. de Vetry. —Crenay white, purplish carmine blotch (per doz., \$2.50)	.25
Conde. —Light orange red, white blotch streaked carmine	.20	Mme. Furtado. —Rose, suffused scarlet	.40
Cornelie. —Rich crise lake, shaded white	.40	Mme. Leseble. —White, variegated carmine.	.30
Daphne. —Light cherry, flamed carmine (per doz., \$1.00)	.10	Mme. Rabourdin. —Carmine rose, white stripes	.35
De Candolle. —Cherry red, carmine blotch.	.40	Mme. Vilmorin. —Silvery rose lilac.	.40
Diana. —White, mottled lilac.	.20	Marchal Vaillant. —Brilliant scarlet, white blotch	1.00
Don Juan. —Bright orange red, lower petals spotted yellow (per doz., 75c.)	.08	Margarita. —White ground, slightly suffused with bright carmine; very vigorous	.30
Dr. Lindley. —Rich carmine crise.	.30	Maria Dumortier. —White and ruby rose.	.30
Duc de Malakoff. —Intense orange-scarlet.	.25	Marie. —Pure white, deep carmine blotch.	.25
Edulia. —Rich violet and white (per doz., \$3.00)	.30	Mary Stuart. —White, flushed and striped purple	1.00
Egeria. —Light orange, tinted rose, with darker stripes (per doz., \$1.50).	.15	Mathilda de Landevoisin. —White, tinged rose (per doz., \$2.00)	.20
Eldorado. —Yellow, variegated purple.	.25	Mazeppa. —Orange rose, yellow blotch.	.15
Etonard. —White, variegated lilac.	.40	Meteor. —Dark red, large white blotch (per doz., \$2.50)	.25
Eugene Scribe. —Light rose carmine (per doz., \$2.00)	.20	Meyerbeer. —Vermillion scarlet, purplish blotch	.20
Flavin. —Bright red (per doz., \$1.00).	.10	Milton. —Cherry rose, flamed with red (per doz., \$2.00); extra fine	.20
Floriant. —Rose, violet blotch and white streaks	.25	Mirabilis. —Rich rose	.10
Fulton. —Velvety vermillion, purple blotch (per doz., \$1.50)	.15	Napoleon III. —Bright scarlet, with white strip in center of the petals; extra fine.	.10
Galathca. —Blush white, with carmine blotch	.25	Nestor. —Yellow, striped with red	.35
Henrietta. —White, flamed rosy lilac.	.30	Norma. —White, blazed lilac.	.40
Hesperide. —Profusely blotched and flaked bright rosy salmon on a pure white ground; handsome spike of grand effect.	1.00	Ophir. —Yellow, purple mottled	.30
Hogarth. —White, flaked lilac, purple on lower divisions.	.40	Othello. —Scarlet, shaded salmon	.15
		Pericles. —Rose lake, white center	.40
		Phebus. —Brilliant red, large white blotch.	.75

GLADIOLUS GENERAL COLLECTION.—Cont'd.

	Each		Each
Pomone. —Dwarf habit, early, fine dense spike; flowers largely blotched and striped amaranth red on a rosy white ground; very pretty and distinct.....	\$2.00	Sir Walter Scott. —Bright ruby rose, carmine veins.....	\$0.35
Primatic. —Rose, lilac tinged, white ground with carmine blotch.....	.60	Sir William Hooker. —Rose, cerise, and white.....	.40
Prince of Wales. —Crimson, white center.....	.75	Spectabilis. —Soft rose lilac and purple.....	.30
Princess Mary of Cambridge. —White, with light carmine blotch.....	.75	Stella. —White, flamed red carmine.....	.10
Princess of Wales. —White and purple (per doz., 75c.).....	.08	Stuart Low. —Carmine rose, mottled white.....	.30
Rebecca. —White, mottled rose lilac.....	.20	Sultana. —Bright satin rose, flamed with carmine, purple carmine blotch on white ground.....	.40
Keine Victoria. —Pure white, edged rose (per doz., \$3.00).....	.30	Sylphide. —White, mottled rose lake.....	.25
Richard Cœur-de-Lion. —Fine spike of large flowers of a bright crimson-red color, flamed and edged with garnet, lower petals spotted and blotched golden yellow.....	.50	Talisman. —Violet, pure white veins, feathered carmine.....	.60
Robert Fortnae. —Orange lake, white center.....	.20	Thalia. —White, flamed with carmine streaks.....	.20
Romulus. —Very brilliant dark red, large pure white blotch, large white lines on lower petals; very showy.....	.25	The Bride. —The finest clear white variety.....	.25
Rossini. —Amaranth red, blotched white.....	.75	Thomas Methven. —Violet, tinted ruby rose.....	.50
Sappho. —Orange cherry, white blotch (per doz., \$4.00).....	.40	Thumberg. —Light orange, shaded cherry, blotch pure white; very large.....	.25
Schiller. —Sulphur, with large carmine blotch.....	.50	Van Dyck. —Crimson amaranth, striped with white; very fine.....	.20
Shakespeare. —White, stained rose carmine.....	.60	Van Spandonk. —Splendid fiery red.....	.60
		Velleda. —Delicate rose, violet blotch.....	.30
		Vesta. —White, shaded and mottled lilac (per doz., \$2.00).....	.20
		Vicomtesse de Belleval. —Rose carmine (per doz., \$2.00).....	.20
		Virgil. —Bright glowing crimson.....	.10
		Virginalis. —White, flamed with carmine.....	.75

COLLECTIONS OF GLADIOLUS.

For the convenience of our customers, who wish to make the best display at the least expense, we have made up the following collections, each of which will contain distinct colors in great variety:

COLLECTIONS OF NAMED VARIETIES.

Collection A, 12 very fine varieties.....	\$1.50	Collection E, 50 very fine varieties.....	\$10.00
“ B, 12 extra fine varieties.....	2.50	“ F, 50 extra fine varieties.....	20.00
“ C, 25 very fine varieties.....	4.00	“ G, 100 very fine varieties.....	25.00
“ D, 25 extra fine varieties.....	8.00	“ H, 100 extra fine varieties.....	40.00

COLLECTIONS OF UNNAMED VARIETIES.

The following collections are made up from many of the named varieties whose names have been lost or mislaid, and from French and American hybridized seedlings:

Collection I, 12 fine varieties, white ground.....	\$1.00
“ J, 12 “ “ rosy and red ground.....	1.00
“ K, 12 “ “ yellow and light ground.....	1.75
“ L, 12 “ “ fine mixed hybrids.....	.75

Fine mixed varieties for bedding purposes, 75 cents per dozen; \$2.50 for fifty; \$4.00 per hundred; \$30.00 per thousand.

HARDY VARIETIES OF GLADIOLUS.

This class constitutes one of the finest features of the flower garden. We recommend giving the varieties named below some slight protection, but in most cases they will withstand the Winter without any.

Gladiolus purpureo-auratus.—This is a new species from Natal, quite distinct from the common species of Gladiolus, and very attractive. On a slender, bending stem, which rises to the height of three or four feet, are borne from eight to twelve nodding flowers, somewhat bell-shaped in form, and yellow in color, with broad purple stripes on the lower divisions within. Its bulbs are small, and at the end of long runners numerous offsets are produced, which are more certain to flower the succeeding season than are the old bulbs. 10 cents each; \$1.00 per dozen.

	Each.
The four following varieties were offered by us for the first time last season. They are hybrids between Gaudavensis and Gladiolus purpureo-nuratus , having much larger and finer flowers than the latter, and of most intense coloring. They are extremely handsome, and the price at which they are now offered places them within the reach of all.	
Engesseri. —Very deep pink, lower petals blotched bright maroon.....	\$1.50
Froebelii. —Flesh-colored, streaked with pink, carmine blotch, bordered with yellow.....	1.50
Lemoinei. —Pinkish cream, spotted deep purplish-crimson, bordered with bright yellow and salmon red.....	1.00

	Each.
Marie Lemoinei. —Cream-colored, purplish-violet blotch, bordered with deep yellow.....	\$1.00
The following are the best and most distinct of the remainder of the hardy varieties:	
Byzantinus. —Crimson purple (per doz., 50c.).....	.05
Cardinalis. —Bright fiery scarlet, flaked with white (per doz., \$1.25).....	.12
Communis flora alba. —White (per doz., 50c.).....	.05
Communis flora rubra. —Red (per doz., 75c.).....	.08
Dracoccephalus. —A most curious bronzy-yellow flower (per doz., \$4.00).....	.40
Saundersoni. —Bright rose, flaked with white.....	.60
The Bride (Colvillei Aba). —A most beautiful pure white variety (per doz., \$1.50).....	.15
Fine mixed varieties, per doz., 75c.	



Lilium Auratum.



Lilium lancifolium.

LILIES.

Our collection of Lilies is one of the largest in the world, and contains all the new and rare varieties of recent introduction. See our Autumn Catalogue for directions for cultivation.

	Each.	Doz.
Lilium Auratum, the Golden-rayed Queen of the Lilies. —This magnificent variety, first introduced by us from Japan, in 1866, has become one of the standard favorites of the flower garden; they are quite hardy, even as far north as Canada. In pots, or anywhere in the open ground, they are superb; their immense blooms, when fully expanded, thrown up in the greatest profusion, coupled with their delicious and most powerful odor, emphatically distinguish them as plants which every one should grow. 40 cts., 60 cts., 75 cts. and \$1.00 each; \$4.00, \$7.00 and \$10.00 per dozen, according to size.		
— Batemanæ , a new Japanese Lily, growing from 3 to 4 feet high, and giving richly colored unspotted flowers of a bright apricot tint.....	\$1.00	
— Brownii , a magnificent variety, with fine large foliage; flowers very large, fine white inside, purple outside. The stamens are a rich chocolate color, and form a very distinct feature in this species.....	1.50	
— Bulbiferum , 1½ to 3 feet in height, with dark green foliage, rich orange cup-shaped blossoms, very showy....	.25	\$2.50
— Candidum , is the well known white hardy, garden Lily, from 3 to 4 feet in height, with large racemes of snow white fragrant blossoms.....	.15	1.50
— flore pleno , a double variety of the preceding, very showy.....	.30	3.00
— striatum , striped leaved, fine.....	.30	3.00
— Callosum , exceedingly rare, beautiful scarlet.....	1.00	

LILIES.—Cont'd.

	Each.	Doz.
Lilium Columbianum , a new variety from the Columbia river; orange crimson, densely spotted—very rare.....	\$.25	
— Coridion , beautiful star-like flowers, yellow, small black dots.....	.30	
— Croceum saturatum , tulip-shaped flowers, good.....	.25	
— incomparable , bright red, yellow blotch.....	.25	
— Marmoratum , deep red, marbled orange, more or less.....	.25	
— Robusta , vigorous grower, orange—changing lighter.....	.25	
— Van Houttii , deep scarlet, yellow blotch.....	1.00	
— Venusium , latest of all varieties, clear red, without spots.....	.30	
— Dalmaticum , a variety of the Mar-tagon, rich glossy crimson purple; a magnificent species, fragrant.....	1.00	
— Elegans (Thunbergianum) , flowers deep maroon, upright.....	.25	
— Citrinum , dwarf, with beautiful light yellow flowers.....	.25	
— Excelsum (Testaceum Isabellinum) , the most beautiful of the class. Its stately form, beauty of color, and delightful fragrance have made it, wherever known, a great favorite. The plants grow 5 to 6 feet high, and are crowned with from 6 to 12 nodding lilies, of a delicate light buff color.....	.50	4.50
— Humboldtii (Bloomerianum) , a remarkably fine variety, attaining the height of about 5 feet, and producing freely fine, large flowers of a golden-yellow color, spotted with purple; a native of California.....	.75	8.00

LILIES.—Cont'd.

	Each.	Doz.
Lilium Hansonii. This Lily grows to a large size, often attaining a height of from 4 to 6 feet. The flowers are borne in clusters, and when fully expanded are about 2½ inches in diameter. The petals are remarkably thick, giving the appearance of having been produced in wax. Their color is also very peculiar; the outside of the petals being yellow with a streak of white running through the center, and the inside of a brilliant yellow spotted with purple. It is one of the most interesting and valuable species introduced in some time. This variety was first offered by us in 1877, and is to be found in but few collections in Europe.....	\$2.50	
— Kramerii , one of the loveliest of Lilies. Since the introduction of the beautiful <i>Lilium Auratum</i> in 1866, nothing has been offered that will compare with this variety. It resembles <i>Auratum</i> in habit of plant and in form of bloom, but with spotless flowers, varying from the most delicate blush to rich rose, and is delightfully fragrant. "Its general character is that of <i>L. longiflorum</i> , of which it may prove a variety, only its flowers, instead of being white, are of various shades of pink color. An acquisition of no little merit, owing to its beautiful shades of color".....	.75	\$7.50
— Lancifolium (Spectosum) album , white, fine and large.....	.40	4.00
— moustrorum album , white flowers, in large clusters.....	.50	4.50
— præcox , color pure white, with a slight rose tint on the ends of the petals; form perfect; petals nearly alike, more reflexed than in the other varieties of the species. The fringe in the center of the flower is very long and fine, giving it an exquisite appearance; it is perfectly hardy....	.50	5.00
— Kraetzerei , from France, with greenish central stripes.....	1.50	
— punctatum , white, spotted with delicate salmon.....	.50	5.00
— rosenum , white, with light crimson.....	.20	2.00
— rubrum , white, with crimson stripe and spots.....	.20	2.00
— Melpomene , a variety of the <i>lancifolium</i> ; of large size, deep red, dark spots, very showy, and one of the most desirable of its class.....	1.00	
— moustrorum rubrum , crimson flowers in large clusters.....	.30	2.50
— Longiflorum (Easter Lily), large and beautiful, snow-white trumpet-shaped flowers, fragrant, hardy species, from 12 to 18 inches in height; fine for forcing.....	.20	2.00
— Eximium , pure white; an exceedingly handsome variety; the best of the "longiflorum" section, and a Lily that should be in every collection.....	.75	8.00
Lilium Longiflorum Takesima , a Japanese variety introduced by Dr. Von Siebold, grows about 2 feet high, fine foliage, large white flowers, similar in form to <i>L. longiflorum</i> , but larger; a splendid acquisition....	.50	5.00
— Leichtlinii , a beautiful new Japanese species of neat and elegant habit. The flowers pure citron with crimson spots, magnificent variety.....	1.50	

LILIES.—Cont'd.

	Each.	Doz.
Lilium Martagon (Turk's Cap), various colors mixed.....	\$0.25	\$2.50
— Mouadelphum Szovitzianum , rich citron color, spotted with black; flowers most deliciously fragrant; one of the best of lilies.....	1.00	10.00
— Pomponium verum , bright scarlet flowers, very fine leaves, flowers last a long time.....	.50	5.00
— Pyrenaicum , vigorous grower, very early, yellow spotted flowers.....	.75	7.50
— Pardalinum , brilliant flowers, easily grown, California variety.....	.40	4.00
— Parryi , exquisite new California variety, clear yellow, trumpet-shaped flower.....	1.00	10.00
— Parvum , a rare California variety; flowers canary yellow, slightly spotted.....	.75	7.50
— Polyphyllum , an exceedingly rare species, flower bell-shaped, cream color with purple dots.....	5.00	
— Pulehellum , brilliant crimson upright flowers of star-like appearance; new and highly desirable....	.75	7.50
— Tigrinum (Tiger Lily), orange-salmon spotted black.....	.15	1.50
— flore pleno (Double Tiger Lily). While many other new varieties have claimed and merited universal admiration, this excels them all. It is a plant of stately habit, growing from 4 to 6 feet high; foliage dark green, very long, bearing an immense number of very double, bright orange-red flowers, spotted with black.....	.30	3.00
— extra size bulbs.....	.75	6.00
— splendens , flowers twice the size of the old variety of the Tiger Lily, and deeper color; 3 to 5 feet, very showy.....	.15	1.50
— Tenuifolium , one of the earliest to bloom, a most exquisite Lily, scarlet-crimson, dazzling color; should be in every collection.....	.50	5.00
— Umbellatum , early, upright, showy Lily, orange spotted.....	.15	1.50
— Wallacei , a new Japanese Lily, clear buff spotted black.....	.50	5.00
— Washingtonianum , from California, one of the most beautiful Lilies yet introduced; flowers erect, pure white, with bright scarlet spots. They are produced in great numbers, and are very fragrant; plant one foot deep in well-drained soil.....	.75	8.00
— Rubescens , a variety of the above, with rose-purple flowers.....	.75	

LILIES (Native Varieties).

L. Canadense flavum (true). Flower bell-shaped, petals not reflexed, yellow, spotted.....	0.15	1.50
— rubrum (true). Larger habit, flower more richly colored with red petals, orange-yellow, spotted, three feet.....	.15	1.50
— rubro-flavum . An intermediate form; very fine.....	.15	1.50
— Philadelphicum . Bright red, with black spots.....	.15	1.50
— Superbum . Beautiful and rich as many of our native lilies are, this far excels them all, bearing, as it does, a pyramid of yellowish-red flowers, from twenty to fifty in number. It is in full bloom in the early part of July. In good soil it will frequently reach the height of eight feet.....	.15	1.50



Amaryllis Formosissima.



Amaryllis Vittata.

AMARYLLIS.

Bulbs of rare beauty, with large, drooping, bell-shaped, lily-like flowers, varying in color from the richest crimson to pure white, striped with crimson or scarlet. They are of the easiest possible culture and a very little management would secure a succession of bloom throughout the year, thus adding an important feature in collections of plants, whether grown for the decoration of the flower garden, conservatory, or drawing-room.

	Each.	Doz.
Amaryllis atamasco , pink and white, changeable.....	\$0.25	\$2.50
— formosissima (<i>Jacobean Lily</i>), velvety crimson, superb.....	.25	2.50
— Bella Donna (<i>Bella Donna Lily</i>), white, flushed with rosy purple....	.60	6.00
— longiflora , alba and rosea, fine..	.50	5.00
— lutea (<i>Sternbergia</i>), a handsome, showy, Autumn blooming yellow flower.....	.25	2.50
— vittata , hybrids, red ground striped with white, extra fine.....	1.50	

VALLOTA PURPUREA.

One of the most beautiful and desirable plants grown, having large crimson scarlet lily-like flowers, produced in heads of five or six flowers in each, which remain a long time in perfection. Large bulbs of this, if kept growing, will flower several times in the year. As easily cultivated as the Calla. Price, 50 cents each; \$4.00 per dozen.

NEW GIANT FRENCH ANEMONES.

Preferred by many to the Dutch varieties, being of stronger habit, and producing a greater abundance and larger flowers of the most brilliant colors. The dazzling hue of the "Fulgens," and immense size and beautiful tints of the double-flowered varieties, cannot be excelled by any Spring-blooming plant.

Anemone fulgens (*Scarlet Windflower*).—Flowers large, of the richest vermilion or scarlet..... 20c. each, \$2.00 per doz.

Anemone, single, French.—Splendid varieties mixed..... 8c. " .75 "

" double, French.—Splendid varieties mixed..... 25c. " 2.50 "

AMORPHOPHALLUS RIVIERI.

This new and very curious Aroidea will be found a most valuable acquisition to our list of *Ornamental Foliaged Plants* for planting out in May. From the tuber shoots a thick stem, from two to four feet in height, which throws out a single extraordinary palmate leaf from two to three feet in diameter. The plant has a flower similar to that of the Arum, and is a near relative of that plant. As plants of striking foliage are now much sought, this will, from its very grotesqueness, become highly popular. Price, 50 cents to \$1.00 each.

PEONIES.

These have become indispensable to every garden; some of them begin to bloom with the Tulip, while others finish with the Summer Rose. They are all hardy and admirably adapted to the climate of our most northern States; growing in almost all situations, and even flourishing under the shade of trees.

Our stock consists of over 100 varieties (all herbaceous), of every shade and color, double and single, mostly rose scented. Price, 25 to 50 cents each; \$2.50 to \$5.00 per dozen.

AGAPANTHUS (African Lily).

This is one of the handsomest house-plants yet introduced. It is naturally a Summer-blooming plant, and admirably suited for parlor or conservatory decorations, being attractive with its glossy green foliage and large trusses of magnificent bloom.

Agapanthus umbellatus, blue. Each..... \$0.75
 — fl. albus, pure white. Each..... 1.00

TIGRIDIAS (Tiger Flower).

Tigridias.

shaded, and where they can be watered, if dry, during the heat of Summer. But their great value is for exhibition plants, for fairs in Summer and Fall, when pot-grown.

Price, eighteen distinct sorts, 50 cents each; \$4.50 per dozen; set of eighteen sorts, \$6.00; eighteen distinct sorts, newer and rarer varieties, 75 cents each; \$7.50 per dozen; set of eighteen sorts, \$9.00.

A genus of Mexican bulbs, growing about one and a half feet high, and producing flowers of the most exquisite beauty; flowers large, about four inches across, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. No flower can surpass it in beauty. In bloom from July to the first of October. The bulbs may be planted any time in May, or the first of June, about two inches deep, in any garden soil, and require no particular care. In Autumn after the tops are killed by frost, take up the bulbs and keep them in a dry place away from the frost until the time of planting in the Spring.

Each. Doz.

Conchiflora, richest orange, variegated with golden yellow, and spotted with black.....\$0.15 \$1.50

Pavonia, richest scarlet, tinged and spotted with pure yellow..... .15 1.50

CALADIUMS (Fancy Leaved Varieties).

Having tried the last season to grow the Caladium as a bedding plant we are satisfied they will become a general favorite at no distant day. Planted in the open ground about the first of June, they grow rapidly and spread their leaves, glowing with the rich colors of the tropics, until faded by the Autumn frosts. Margined and delicately traced with a net-work of shaded green on a snow-white ground, bronze tipped with lake, showing a metallic luster in the sun, rose, violet, carmine, golden green, crimson, almost all colors shaded and marked as can be seen on no other leaves, give them a rare beauty, intermingled with other plants; and in masses, a tropical magnificence. Of the easiest culture, they will grow in almost any soil or situation, but most luxuriantly in a rich loam somewhat

COLOCASIA (CALADIUM) ESCULENTUM.

One of the most beautiful and striking of the Ornamental Foliaged Plants in cultivation, either for culture in large pots or tubs, or for planting out on the lawn. It will grow in any garden soil, and is of the easiest culture. When of full size it stands about five feet high, with immense leaves, often measuring four feet in length by two and a half in breadth, very smooth, of a light green color, beautifully veined and variegated with dark green. The roots should be preserved in dry sand in the cellar during Winter out of reach of frost. A plant should be in every collection, however small. Price 25 to 50 cents each; \$2 to \$4 per doz.; extra size roots, 75 cents and \$1.50 each.

MADEIRA VINE.

A half-hardy tuberous root, climbing plant, of rapid growth, bearing copious and graceful racemes of deliciously fragrant white flowers, very useful for screens, trellis or rock-work. 10 to 25 cents each; \$1.75 to \$3.00 per doz.; \$5 per hundred.

SUPERB DOUBLE DAHLIAS.

Our stock of the above is the most extensive in the country, and embraces every desirable variety in cultivation. Dry roots of Dahlias grown in small pots through the Summer, which will bear transportation to any part of the world, will be furnished after the first of October. In consequence of the compact manner in which these can be put up, they are particularly adapted for sending to a distance. They will flower equally well with the ground roots, and can be furnished at much lower rates. Upwards of 150 varieties (pot roots), 30 cents each; \$3.00 per dozen; \$20.00 per hundred.

DOUBLE TUBEROSE (Polianthes Tuberosa).

The tubers of this delightfully fragrant flower may be planted from January until March. Where a succession is required, and can be accommodated with a warm greenhouse or conservatory temperature, planting may begin with the former period; but where convenience is limited to a hot-bed and greenhouse, the latter period is suited. In planting, remove the useless small offsets around the main root, place a single tuber in a pot six inches wide, or a group of two or three in a proportionately larger one. Use good rich-bodied loam.

	Each.	Per doz.	Per 100.
Flowering roots.....	\$0.08	\$0.75	\$4.00
Large flowering roots.....	.10	1.00	5.00
Extra large flowering roots.....	.15	1.50	8.00

NEW DOUBLE TUBEROSE ("The Pearl").

This is a new and entirely distinct form of the old double tuberose. Its chief characteristics are its short robust stem and great size of flowers, the latter being as freely produced as in the common sort, while they are quite double the size and of purer white than the old variety.

	Each.	Per doz.	Per 100.
Flowering roots.....	\$0.10	\$1.00	\$5.00
Extra large flowering roots.....	.15	1.50	8.00

NEW TUBEROSE WITH VARIEGATED FOLIAGE.

A beautiful plant, either for vases, borders, or planting in groups or beds. The leaves are finely striped with bright yellow lines. It flowers earlier than any other Tuberose. The flowers are large, single, and deliciously scented. 25 cents each; \$2.50 per dozen.



Tuberose, the Pearl
One-half the average size.

BEGONIA TUBEROUS-ROOTED.



Begonia Tuberosa-Rooted.

New hybrids of Bolivensis, Sedeni, Chelsoni, and others mixed. These splendid varieties produce branching and at the same time tufted plants from twelve to eighteen inches high, covered the whole Summer, until frosts set in, with bright and elegant flowers, succeeding as well in the shade as in the sun. Its utility for bedding cannot be overestimated. Masses on a lawn present a gorgeous aspect and elicit general admiration. Flowering bulbs, 50 cents each; \$4.50 per dozen.

APIOS TUBEROSA.

A hardy herbaceous perennial belonging to the natural order Leguminosae, or Pea family. It is an elegant climbing plant from two to five feet high. The flowers grow in dense lateral clusters of from twenty to thirty flowers each, of a chocolate brown color, and very fragrant, resembling violets. It remains in flower from July to September. The flowers are succeeded by pods about two inches long. It produces on its roots tubers a half inch in diameter and an inch long; in good soil they will grow to more than twice that diameter. 50 cents each.

HARDY HERBACEOUS PLANTS (Native Varieties).

A choice collection of our native plants, many of which were collected by experienced botanists in the newly explored regions of the Sierra Nevada and the Rocky Mountains, and are quite new in this section.

- 12 distinct species and varieties, early and late blooming, for \$3.50.
- 25 distinct species and varieties, early and late blooming, for \$6.00.

- 50 distinct species and varieties, early and late blooming, for \$10.00.
- 100 distinct species and varieties, early and late blooming, for \$15.00.
- All of our selection.
- Collections of Seeds, of native plants, many of which are new and rare.
- 10 varieties, \$1.00.
- 25 varieties, \$2.00.

GENERAL LIST OF PLANTS,

Embracing all the most desirable

NEW, RARE, AND STANDARD VARIETIES.

We can either send by mail or by express, as desired, only when sending by mail a smaller size of plant is sent; but whenever it is practicable, we strongly advise that plants be sent by express; for, though the purchaser is required to pay express charges (which are usually moderate, from our light system of packing), yet he always buys cheaper—quality of plants considered—than when plants are sent by mail, free.



Abutilon.

ABUTILONS.

- Arthur Belsham.**—Deep crimson-orange.
 - Blandii.**—Orange-yellow, veined crimson.
 - Darwini major.**—Buff-orange; fine.
 - Emblem.**—Drooping variety, with crimson and bronze flowers.
 - Joseph Hill.**—Orange, crimson veins.
 - Roseflorum.**—Rose-colored flowers; fine.
 - Snowstorm.**—White, compact, and free.
 - Thompsoni.**—Foliage finely marked.
- 25c. each; 8 varieties, \$1.50.

NEW ABUTILONS.

- Blood-Red.**—Color blood-red, with very dark veins; flowers large and very freely produced; a grand variety. 50c. each.
- Fire King.**—A very free blooming variety, with bright orange-scarlet flowers, with deeper tinted veins. 35c. each.

- Ageratum, New White Blanche.**—A pure white Ageratum, very desirable for cut flowers, both in winter and in summer. 30c. each; \$3.00 per doz.
- John Douglas.**—Deep mazarine blue, compact habit, profuse bloomer. 25c. each; \$2.00 per doz.
- Alyssum, Double White.**—Similar in every way to the Sweet Alyssum; valuable for cut flowers at all seasons. 30c. each; \$3.00 per dozen.
- Antherium repens vitatum var.**—Beautifully variegated with white and green stripes; one of the best plants for hanging-baskets. 50c. each; \$4.50 per dozen.

NEW BEGONIAS.

- Begonia metallica.**—An entirely new and distinct species, intermediate between the Rex variety and the stronger growing green forms. The plant is of shrubby, erect, free growth, branching into numerous flower sepals, which are pale pink, covered with bright coral hairs. The leaves and stems are bright silvery bronze, and, like the flowers, covered with deep coral-red hairs. Price \$1.00 each.
- Begonia Schmidtii.**—A beautiful free-flowering variety, with pure white flowers, slightly veined with pink; the foliage is dark green, with a metallic luster. 35c. each.

NEW DOUBLE BOUVARDIA.

Alfred Nemer.—A charming novelty, with beautiful double pure white rosette-like flowers, which are produced very freely. 50c. each.

Calla Ethiopia (Lily of the Nile)—Fine plants. 30c. each; \$3.00 per dozen.

Campsidium filicifolium.—An elegant climber, of so delicate and graceful form as often to be mistaken for a climbing fern. The foliage is bright green; it is one of the choicest plants for hanging-baskets. 50c. each; \$4.50 per dozen.



Canna.

CANNAS.

(The following are a superb collection of these noble plants.)

- Atropurpurea.**—Fine bronze-purple leaves; tall.
- August Ferrier.**—Reddish-green leaves, scarlet flowers; fine.
- Barilletii.**—A fine distinct tall-growing variety.
- Bihorelli.**—Stem and leaves green, with red ribs and veins; fine.
- Bremingsii.**—Beautiful variety, light green leaves, variegated with white and yellow; a dwarf grower; splendid.
- Gigantea.**—Very tall growth, dark bronze foliage.
- Glaucia Flava.**—Light green, bright yellow flowers.
- Houletii.**—Bronzy-green and brown foliage; tall.
- Insignis.**—Flowers scarlet and yellow; a distinct variety.
- Metallica.**—Bronzy leaves; compact, stiff growth.
- Nigricans.**—Leaves nearly black; fine flowers.
- Premices de Nice.**—Light green leaves, very large yellow flowers.
- Tricolor.**—Superb dwarf variety, with green, white, and pink striped leaves; very handsome.
- Van Houttei.**—Brown foliage, broad and massive.
- Warszewiczi.**—Dwarf grower, bronze leaves; fine. 25c. each; \$2.00 per dozen.



Carnation.

NEW CARNATIONS.

- Detroit Scarlet.**—Color beautiful bright scarlet, flowers large and well formed. 35c. each.
- Fascination.**—Very large flowers, white ground marbled bright rosy pink; sweet scented; a very profuse bloomer. 50c. each.
- Firebrand.**—The brightest scarlet variety known; flowers large and well formed, and freely produced; a superb variety in every way. 50c. each.
- Fred Johnson.**—Color light scarlet; flowers extra large, well formed, and very fragrant; free grower and very prolific. Awarded First-class Certificate of Merit by Massachusetts Horticultural Society, October 11, 1879; Certificate of Merit by New York Horticultural Society, June 16, 1880. 50c. each.
- Grace Wilder.**—Color, a beautiful delicate pink, same shade as H. P. Rose's Baroness Rothschild. Flowers large, finely fringed, clove scented, dwarf habit, and very prolific. This is, without doubt, the finest and most prolific Carnation in cultivation, and the only one of its color. Was awarded First-class Certificate of Merit by the Massachusetts Horticultural Society, September 9, 1879; Certificate of Merit by New York Horticultural Society and Prospective Premium of Forty Dollars as the best Seedling Flowering Plant, after three years' trial, by the Massachusetts Horticultural Society, January 1, 1881. 50c. each.
- Harlequin.**—A very much improved "Astoria," brighter, and more profuse flowering; color yellow, crimson, and maroon. 35c. each.
- Mrs. C. Chessons.**—Blush, striped, and spotted rose. 35c. each.
- Princess Louise.**—Color rose pink; flowers extra large, well formed, beautifully fringed, and strong clove scented. Growth vigorous, healthy, and very prolific. Awarded First-class Certificate of Merit by Massachusetts Horticultural Society, October 11, 1879; Certificate of Merit by New York Horticultural Society, June 16, 1880. 50c. each.
- Sea Foam.**—This is the finest of all whites, far surpassing anything ever sent out for size of flower, purity of color, sweetness of perfume, vigorous growth, and freedom of bloom. Received a First-class Certificate at the New York Horticultural Meeting, March 1, 1881. 50c. each.

CARNATIONS.

- Bridesmaid.**—Very large white flowers, some of which have salmon-rose, shell-like blotches in center of flowers; delicious clove perfume.
- Crimson King.**—Flowers deepest crimson; a fine variety.
- Hinsdale.**—Rosy pink, edged white, sweet-scented and distinct.
- La Purite.**—Deep carmine flowers; free flowering.
- Mrs. C. Chessons.**—Blush, striped and spotted rose.
- Peter Henderson.**—Very large pure white flowers; a grand variety.
- Snowden.**—Pure white; a dwarf and free-flowering variety; as a pot-plant for the sitting-room, or for florists' use, this carnation is unequalled.
- Springfield.**—Flowers very large, of the deepest carmine, shaded light red, of good size, with serrated edges; habit vigorous and remarkably healthy; a free bloomer, and a true perpetual carnation, plants living for three or four seasons. 20c. each; the set, \$1.50.

NEW CHRYSANTHEMUMS.

- Bras-Rouge.**—Rich velvety crimson maroon.
- Ceres.**—A magnificent flower, of a bluish pink.
- Comte Rich.**—Dark red, shaded orange.
- Golden Dragon.**—Beautiful golden yellow.
- M. Roux.**—Large lacinated flowers, of a dark reddish crimson, marked with white in the center; a superb variety.
- Mr. Wm. Bull.**—Crimson maroon, shaded red.
- Parasol.**—Very large in-curved flowers, of a golden buff, shaded rich salmon; very attractive.
- Sans Souci.**—Shaded, violet and white. Price 50c. each. Eight varieties for \$3.50.

CHRYSANTHEMUMS.

(These are becoming more and more popular; our collection is one of the very best.)

Those marked * are small-flowered.

- *Alba Perfecta.—Pure white.
- *Alex. Pele.—Rose and crimson.
- *Bob.—Crimson.
- *Bouquet Blanc.—Pure white.
- *Circle.—Pink on lemon.
- C. H. Glover.—Lovely yellow.
- Crimson Perfection.—Deepest crimson.
- Dr. Sharp.—Magenta crimson.
- Empress.—Lilac and rose; large.
- Empress of India.—White.
- Eugene Langault.—Golden yellow.
- *Gen. Canrobert.—Lemon yellow.
- George Glenny.—Golden yellow.
- Gloria Mundi.—Yellow.
- *Golden Aurora.—Orange.
- Golden Queen.—Golden.
- *Innocence.—Pure white.
- Jardin des Plantes.—Golden yellow.
- Lucinda.—Lilac and blush.
- Le Grand.—Peach color.
- Mme. Grame.—White.
- Mrs. G. Rundle.—White.
- Moutgolfier.—Crimson.
- *Model of Perfection.—Rose and white.
- *Mrs. Campbell.—Crimson.
- Margaret d'Anjou.—Nankeen.
- Mme. Fanny.—Crimson.
- Pink Perfection.—Pink.
- *Pride.—Pure white; fine.
- Princess Louise.—Rose.
- Scuiranuis.—Rosy peach.
- *Solfaterre.—Lemon.
- Temple of Solomon.—Golden yellow.
- Venus.—Rose.
- Virgin Queen.—White.
- White Princess.—White. 25c. each; \$2.00 per dozen.

Chrysanthemum frutescens.—This is the now popular "Paris Daisy"; flowers white, with yellow disc; elegantly shaped. 35c. each.



Chrysanthemum.

CHRYSANTHEMUMS.—Cont'd.
JAPANESE VARIETIES.

- Elaine.**—White and lavender.
- Fulton.**—Bright golden yellow.
- Hero of Magdala.**—Blood red.
- James Salter.**—Lilac and yellow.
- La Chinoise.**—Maroon and gold.
- Magnus Bonum.**—Pink.
- Munc. Chapon.**—Orange and yellow.
- Mons. C. Huber.**—Red, crimson, and yellow.
- Sesostris.**—Chestnut.
25c. each; \$2.00 per dozen.

NEW SCARLET CLEMATIS
(*Clematis Coccinea*).

A distinct and beautiful species, with brilliant coral-scarlet bell-shaped flowers, blooming in the greatest profusion; vines growing from five to seven feet high. The foliage is most elegantly divided, and of the most pleasing shade of light green. The plant is perfectly hardy, having wintered out-of-doors with us during the late severe winter without any protection. The vines are of annual growth, starting from the root each Spring, as in *C. erecta*. We consider this one of the most valuable plants of late introduction. Price, for extra strong plants, \$1.00; second size, 75c.; third size, 50c.

Clerodendron Balfouri.—Magnificent climbing plant, bearing pure white bracts and bright scarlet flowers, lasting in perfection for two months. 35c. each.

NEW SEEDLING COLEUS.

- Adrian.**—Deep purple leaves, crimson center, green margin.
- Bianca.**—Large smooth leaves, with white center extending over two-thirds of the leaf; green margin.
- Cassio.**—Deep purple, with large crimson blotch.
- Desdemoni.**—Center of leaf white, with mottled green and white margin.
- Nicanor.**—Half of center pure white, other half rosy crimson, green margin.
25 cents each; the set for \$1.00.

COLEUS.

(The following are the most distinct and beautiful varieties.)

- | | |
|---------------------|--------------------------------|
| Asa Gray, | Miss Retta Kirkpatrick, |
| Beacon, | Princeps, |
| Buttercup, | Red Cloud, |
| Charm, | Seraph, |
| Gracillima, | Spotted Gem, |
| Hiwatha, | Superbissima, |
| Illuminator, | Tessellata, |
| Marvellous, | Verschaffeltii. |
- 15c. each; per doz., \$1.50

Crotons.—Eight distinct varieties of this very elegant greenhouse plant. The rich, glossy leaves are striped, spotted, and marbled with various shades of pink, yellow, and red. 50c. each, or the set of eight for \$3.50.

Curculigo recurvata.—The palm-like growth and general hardness of the *Curculigo* make it a valuable plant for room decoration in winter. From four-inch pots, fine, 35c.; from six and seven inch pots, 50c. and 75c. each.

Dahlias.—In many choice varieties, including all shades of color to be found in the Dahlia. 30c. each; \$3.00 per dozen.

Dracena Terminalis.—Scarlet, for center of baskets, vases, etc. 50c. to \$1.00 each.

Eucharis Amazonica.—An exquisite white, star-shaped flower, for greenhouse culture; deliciously fragrant. \$1.00 each; \$9.00 per dozen.



Eulalia Japonica zebrina.

Eulalia Japonica zebrina.—Unlike everything else, the striping or marking is *across* the leaf, instead of longitudinally. It grows from four to six feet in height, forming a most striking and graceful plant, resembling nothing else that we know of in cultivation. The expanded flower resembles the ostrich plume. When dry, they keep for years. Plant entirely hardy. First size, \$1.00 each. Second size, 75c. each.

Eulalia Japonica var.—An older variety of preceding. Leaves striped white and green, longitudinally. Next to the *zebrina*, the most ornamental of all hardy grasses. Large plants, \$1.00 each; \$9.00 per dozen. Smaller, 50c. each; \$4.50 per dozen.

NEW FUCHSIAS.

- Depute Berlet.**—Flowers large and very double, corolla violet, with metallic shadings; tube and sepals bright red.
- Gracieux.**—Flowers large, single, tube and sepals light red, corolla lavender-blue, habit dwarf and compact; early and free-flowering; will make a fine market kind.
- Joseph Rosain.**—Double, very large scarlet tube and sepals, corolla violet-blue, striped deep scarlet.
- Jules Ferry.**—A very fine double flower, good habit, free-flowering, immense flowers after the style of Henderson's "Avalanche."
- New Mastodonte.**—Flowers glohular, deep crimson tube and sepals, with rich deep violet-colored corolla, of immense size; a grand variety.
- Pascal.**—A grand addition to the basket Fuchsia, with strong, spreading habit; color light red and rosy purple; fine, free grower; good.

Price 50 cents each; \$2.50 the set.

FUCHSIAS.

(The following are selected as the best of a large and splendid English collection.)

Anna Bolcyn,	Charmer,
Arabella Improved,	Elm City,
Aurora Superba,	Puritani,
Avalanche,	Rose of Castile,
Carpeaux,	Ray of Light,
Covent Garden White,	Speciosa,
Carl Halt,	Sedan,
	Tower of London.

20c. each; \$2.00 per dozen



Tricolor Geranium.

DOUBLE IVY-LEAVED GERANIUMS.

- Andre Theuriet (Lemoine).**—Delicate rose, clouded with salmon, shaded darker; a new color. 35c.
- Anna Pfitz (Pfitz).**—Flowers very large, semi-double; color clear rose. 50c. each.
- Lucie Lemoine (Boucharlat).**—Flowers single; snowy white, delicate rose at the center. Very beautiful and distinct. 35c. each.
- Mlle. C. Sonpert (Lemoine).**—Flowers very regular and double, like rosettes; color rose mauve, tinted with lilac; 35c. each.
- M. Dubus (Dubus).**—Flowers single, very large; bright carmine red, hatched with purple on the upper petals. 50c. each.
- Robert Fortune.**—A grand variety, with fine large carmine, shaded pink, flowers; trusses large and freely produced; habit compact. 50c. each.

The above are all extremely fine and valuable acquisitions.

NEW AMERICAN SEEDLING GERANIUMS.

The steady advance of new colors, larger flowers, and freedom of flowering progresses from year to year with the greatest satisfaction in this universally popular class, and the varieties here offered will be found valuable acquisitions. At the Boston Rose Show, June 28th, 1881, the following were awarded a SILVER MEDAL.

- Cheerfulness.**—A new color; flesh pink, shaded and mottled rose, extremely double; petals somewhat fluted or fringed, flowers large, trusses of good size, habit good, and free-flowering; a fine and distinct variety. 50c.
- Iroquois.**—Intense deep scarlet, flowers very large and double, habit of plant dwarf and branching, trusses of good size, and remarkably free-flowering; this will be a fine variety for market, and a fitting companion to "Henry Cannell." 75c.
- William Hamilton.**—A grand variety, far surpassing any dark variety ever sent out; color rich deep crimson, with bright maroon shadings; flowers large and well-shaped, trusses immense, on long footstalks; habit of plant free and robust. \$1.00.

SINGLE VARIETIES.

- Anna Scott (A. T. Simmons).**—Very rich deep crimson, finely shaped flowers shaded with maroon, trusses of good size and very freely produced; a grand better, and will be a great acquisition in its line of color. 50c.
- Kate T. Patterson.**—A superb variety, with flowers of immense size and of excellent shape, measuring quite two inches in diameter; color rich deep orange, overlaid with buff; entirely distinct from any variety. \$1.00 each.
- Novelty.**—An entirely new and distinct kind, the forerunner of a new section; lower petals rich scarlet, upper petals all one color, a rich puce with distinct shadings of solferino; of good shape, trusses of good size, compact habit and free grower; a veritable novelty. 75c. each.

The set of 6 varieties, \$4.00.

NEW GERANIUMS.

DOUBLE FRENCH VARIETIES.

- Deufert-Rochereau (Lemoine).**—Deep dark red, bordered with salmon; very large trusses.
- Grand Chauclier Faidherbe (Lemoine).**—We can attempt to describe this variety, but cannot possibly do justice to it. The flowers are very thick and double, of a dark, soft red, tinted with scarlet, and heavily shaded with maroon; very dark and rich, and at the same time very bright; simply superb.
- J. B. Varrone (Crouse).**—Rich bright crimson; very double and distinct.
- J. P. Stahl (Lemoine).**—Deep soft rose, edged with salmon; a very pure and pleasant color; a splendid variety.
- Lemoine's Cannell.**—This is by far the most highly colored Geranium grown. As nearly as we can describe it, the color is a rich amaranthine red, the upper petals very strongly marked with purple, producing a very rich and beautiful effect.
- Ville de Nancy (Lemoine).**—Enormous trusses of large perfect flowers; delicate flesh rose; very beautiful.

Price 50c. each; the set of 6 varieties for \$2.50.

GERANIUMS (New Golden Tricolor).

It is difficult to describe the different leaf-markings of these; suffice it to say that they are marked with yellow, crimson, scarlet, and maroon, after the manner of "autumn leaves." These newer kinds are mostly strong growers.

- Bed of Gold,**
Countess of Craven,
Countess of Tricouell,
Emily,
Humming-Bird,
Jetty Lacy,
Needle Gun,
Queen of Tricolors.

75c. each. Set of 8 for \$4.50.

SEEDLING GERANIUMS, 1880.

The very desirable and distinct varieties of the above, offered by us for the first time last Spring, created, as we anticipated, quite an enthusiasm in the horticultural world. Apart from their exquisite loveliness of color, many shades of which were novelties not hitherto produced in the Pelargonium family, their great size, symmetry, and density of bloom were features admitted by both press and public to be worthy of more than passing comment.

DOUBLE VARIETIES.

Mrs. E. G. Hill.—Entirely distinct, ground color pale bluish, overlaid with a delicate lavender shade; trusses of great size.

Peter Henderson.—Exceedingly bright orange-scarlet, with base of petals pure white.

Richard Brett.—Immense trusses of flowers of that peculiar orange color of which "Jealousy" is the type; an entirely new shade.

The Blonde.—A distinct and beautiful variety, ground color salmon, deeply shaded orange; base of petals white, with a distinct margin of white around each.

Remarkable.—A much improved Ernest Lauth, with better shaped flowers of a deeper shade; trusses very large.

Dr. Phiney (A. T. Simmons).—Intense scarlet, shaded with deepest chestnut-crimson; a superb variety of great merit.

Hazel Kirke.—Immense trusses of rich purple-crimson flowers; a most distinct and beautiful geranium.

Robert George.—A deep crimson scarlet of brighter and more decided color than Depute Lafize; a remarkably free flowerer.

Each, 30 cents; or the eight varieties for \$2.00.

SINGLE VARIETIES.

Mary Hallock Foote.—Bright pale salmon, with a pure white eye; immense trusses of splendid shape; a grand variety.

Beacon.—Flowers of deep crimson-scarlet, of fine shape, small white eye.

Mazepa.—Flowers deep pure scarlet, of fine shape and substance, and of free habit.

Orange Boven.—Center of flowers bright orange, each distinctly margined with white; a valuable acquisition.

Review.—Ground color salmon, distinctly margined and mottled with white; quite an addition to the light class, and very desirable.

Each, 30 cents; or the five varieties for \$1.25.

Besides taking ALL the First Premiums at the New York Horticultural Society's great show in June, 1880, the Judges awarded an Extra Premium of TEN DOLLARS for these superb Seedlings.

DOUBLE SEEDLING GERANIUMS.

Great care has been exercised in selecting the following eight beautiful varieties. We offer them now for the first time, believing them to be first-class and marked improvements in their respective classes.

Barbara.—Brilliant deep orange-scarlet; trusses very large. A large, finely formed flower.

Bernice.—Deep rich scarlet, with a distinct white eye; very pleasing variety.

Conquest.—Large trusses of well-formed flowers; color fawn, with distinct purple-bronze shading.

Dione.—Immense deep crimson flowers; very freely produced, on long foot-stalks.

Herald.—A grand variety, producing fine shaped flowers, of a deep bronze chamois color.

Inspection.—Very large trusses; color soft red, shaded scarlet purple.

President.—Deep pink, upper petals marked white; trusses large, and freely produced.

Social.—Large trusses of finely formed flowers; color deep rosy flush, with distinct white margins.

Price 50c. each; set of 8 varieties for \$3.50.

GERANIUMS, ZONALE.

(A selection of the very finest and well tested varieties.)

DOUBLE VARIETIES.

Amelia Baltet.—Pure white, large trusses; fine habit.

Asu Gray.—Salmon, compact habit, free bloomer.

Auguste Villanne.—Light carmine, free grower, fine bedder.

Bishop Wood.—Deep crimson, shaded purple.

C. H. Wagner.—Purple red, shaded violet.

Casimir Perrier.—Orange salmon, large trusses.

Delobel.—Rose, with magenta shade.

Depute Ancehon.—Violet and carmine; large and fine.

Depute Lafize.—A magnificent deep crimson.

Dr. J. T. Kirtland.—Deep carmine red, shaded purple; one of the best.

Dr. Chigneau.—Purple, shaded carmine, distinct.

Ernest Lauth.—Immense trusses of deep purple crimson.

E. G. Hill.—Light rosy red, immense trusses.

Henry Camell.—Largest flowers, bright scarlet.

J. H. Klippert.—Immense trusses of deep scarlet; finest bedder.

La Pere Secchi.—Orange, shaded salmon, large trusses.

Louise.—A new color, reddish salmon and orange.

Mary Geering.—Pure rose pink, white markings; distinct and desirable variety.

McLeod.—Large, perfect shaped scarlet flowers.

Mrs. Hayes.—Pure pink, large trusses; fine.

Mons. Dibos.—Bluish, shaded rosy salmon, distinct.

Naomic.—Pink, shaded lavender; free and fine.

President Leon Simon.—Red, shaded light pink; fine variety.

SINGLE VARIETIES.

Banford's Glory.—Bright cerise red, large trusses; fine bedder.

Cardinalis.—Very deep crimson, distinct.

Clement Bontard.—White, shaded bluish; large trusses.

Corsair.—Deep pure scarlet; very fine.

Dr. Denny.—Purple, shaded blue, top petals orange-color. 30c. each.

Emily Vancher.—Pure white.

Gen. Sherman.—Purple crimson, large trusses.

Happy Thought.—A novel style of leaf variegation, differing from the ordinary form in having a large yellow blotch in the center of the leaf, with an outer band of green at the margin. Flowers rich magenta rose; a good bedder.

Jealousy.—Deep orange; new color.

Jean Sisley.—Scarlet, pure white eye.

Master Christine.—Pink; best bedder of the color.

Mrs. Whiteley.—Large flowers, white eye; fine.

New Life.—By far the finest striped variety. Ground color deep scarlet, striped and blotched with white; we have found it to run back to plain scarlet, salmon color, etc., all on the same plant, but the average are pretty constant in their striped character.

Queen of the West.—Light cerise red; good bedder.

Snowden.—Large trusses of pure white flowers. Price, except where noted, 25c. each; per twelve varieties, \$2.50.

GERANIUM, TRICOLOR.

To convey in words any idea of the beautiful markings of these is simply impossible. Every color and shade to be seen in Autumn leaves are found in the foliage of this class. Best varieties, 40c. each; \$4.00 per dozen.

Geraniums, Bronze.—Golden-leaved, fine for bedding. 30c. each; \$3.00 per dozen.

Geraniums, Silver.—White-leaved, Mount of Snow, etc. 30c. each; \$3.00 per dozen.

Geraniums, Scented.—Six sorts, really desirable, 25c. each; \$2.25 per dozen.

Geraniums, Pelargoniums (Lady Washington Geraniums). 50c. each; \$4.50 per dozen.

GLOXINIAS.

Twelve distinct new varieties, drooping and upright flowers; truly wonderful in their richness of coloring—blue, scarlet, rose, crimson, and white. 1st size, 75c. each; \$7.50 per set. 2d size, 50c. each; \$4.50 per set.

HELIOTROPE.

Juliette.—One of the darkest; fine compact habit, exquisite fragrance. 25c. each; \$2.00 per dozen.

Mme. Blonay.—The nearest approach to pure white we have yet had in the Heliotrope; truss very large, growth compact; a decided acquisition. 25c. each; \$2.00 per dozen.

Heliotrope.—Best light and dark kinds; older varieties. 25c. each; \$2.00 per dozen.

We have imported four new varieties of this popular sweet-scented plant. They were received too late to judge of their respective merits, but we are assured they bear stronger fragrance than any previous varieties; in colors light and dark. 30c. each; 4 for \$1.00.

Hibiscus.—A genus of greenhouse plants, exceedingly valuable for bedding purposes. The large scarlet and yellow flowers are unusually showy. Five kinds, 50c. each; or \$2.00 for the entire set.

Hoya carnosia (Wax plant).—A handsome climber. 30c. each; \$3.00 per dozen.



Helianthus.

HELIANTHUS MULTIFLORUS PLENUS.

This is one of those rare old plants that has been lost to cultivators for years, and we are pleased to be able to offer it. The plant grows about 4 feet high, bearing numerous large golden heads of flowers, as large and double as Dahlias, and continuing in bloom until frost, and will be much prized as corsage flowers. Price 50c. each.

HYDRANGEA.

Thos. Hogg.—This beautiful new Japanese variety has large heads of pure white flowers, and is a very free and abundant bloomer. It grows very thriftily, and soon forms a large specimen plant; one of the finest novelties ever introduced into this country. 35c. each.

Utaksa.—A new variety from Japan, with very large flowers. 35c. each.

Hortensis.—The old garden variety, with large corymbs of rose-colored flowers. 35c. each.

Quercifolia.—Large, oak-leaved species, quite ornamental. 50c. each.

Paniculata grandiflora.—Exceedingly showy, pure white, and perfectly hardy everywhere. A great acquisition. 50c. each.



Hyacinthus Candicans.

HYACINTHUS CANDICANS.

A magnificent Yucca-like plant, producing in July and August a flower-stem 3 to 4 feet high, covered with from twenty to thirty pure white, pendent, bell-shaped flowers. This plant is rapidly gaining well-deserved popularity, and should find a place in every collection. It is believed that it will prove perfectly hardy, having stood the recent severe Winters in Europe without injury. Price 50c. each.

IRIS KEMPFERI.

Amongst thoroughly hardy plants of later introduction, the fine varieties of this species are unsurpassed. They are hardy in every sense of the word; let the weather be ever so severe they are not in the least affected. They are truly magnificent and a perfectly distinct race, bearing a profusion of large Clematis-like flowers. The prevailing colors are from deepest black, purple, through various shades of blue, to the purest white. The individual flowers are of great size and heavy texture, flowering from the middle of June to the end of July. The plants, when out of flower, are effective, graceful and pleasing, retaining a bright and showy mass of ample foliage until quite late in the year.

Calypso.—Light, veined purple, deep purple center.

Cléo.—Rich deep purple, shaded red.

Exquisite.—White, veined and shaded deep rich blue.

Fairy Queen.—Lavender, shaded rich purple.

Hamlet.—Deep sky-blue, large, fine.

Iago.—Deep purple blue, fine shape.

Juliette.—White, veined purple, purple center.

Macbeth.—Deep red, striped white.

Miranda.—Fine light blue, large white center.

Othello.—Rich plum purple, yellow center.

Portia.—Red, shaded purple, white center.

Prince Hal.—Lavender, striped and mottled deep purple.

Venus.—Large, pure white, fine.

Each, 25c.; per dozen, \$2.00.

Mixed varieties, suitable for large masses, in all colors. Per 100.....\$15.00

IRIS IBERICA.

One of the most remarkable and interesting plants in cultivation. Its dwarf habit, gigantic flowers, great snow-white, erect sepals, its equally large, strangely colored petals, and its stignas with shining black-purple humped bases, make up a flower of singular oddity and of remarkable beauty. Such a curious combination of color is rarely seen in the same plant. Price, 35c. each; \$3.50 per dozen.



German Iris.

IRIS.

Among the many forms of floral beauty which adorn the flower borders in June, the Iris has claims which entitle it to a more than ordinarily prominent position; the flowers are large and handsome, the colors extremely rich and varied; the height of the plant is from eighteen to twenty-four inches, while its cultivation is unusually simple, succeeding in any ordinary garden soil; when planted in clumps of three or more, and allowed to remain undisturbed, they improve in beauty each successive year.

English.—Twenty-five finest named varieties. Each, 10c.; per dozen, \$1.00.

English.—Finest mixed with named. Each, 5c.; per dozen, 50c.

German or Fleur de lis.—A splendid herbaceous perennial, twelve distinct varieties. Each, 15c.; per dozen, \$1.50.

Susiana.—Blush tinted, netted with dark lines; a remarkable looking and exceedingly handsome flower; succeeds admirably in pots. Each, 35c.; per dozen, \$3.50.

LANTANAS.

Colconda.—Buff, changing to deep golden yellow; extra fine. 25c. each.

Marechal McMahon.—The very finest Lantana ever raised; trusses as large as verbenas, flowers bright as crimson and gold. 25c. each.

We will forward six distinct varieties of Lantanas, including pure white and deep yellow, for \$1.00.

PANDANUS UTILIS (Screw Pine).

So called from the arrangement of the leaves on the stem. It is a beautiful plant, excellently adapted for the centers of vases or baskets, or grown as a single specimen. No plant is better suited for room culture. 1st size, \$1.00 each; \$9.00 per dozen. 2d size, 50c. each; \$4.50 per dozen.

PAPYRUS ANTIQUORUM.

This is the Egyptian paper plant, and is said to be the plant from which the paper was made whereon the Scriptures were written. It is a very handsome sub-aquatic plant, growing to the height of seven or eight feet, and is of great beauty. Strong plants, by express only, \$1.00.

NEW GERMAN PANSIES.

(See colored frontispiece.)

Pansies are now being largely used for bedding purposes, vases, etc., and this new and fine type has greatly increased their popularity. Seedling plants, 25c. each.; per dozen, \$2.25.

PETUNIAS (Double).

Amongst the following varieties will be found some of the most beautiful and distinct free-flowering kinds.

Gigantea.—Richest deep crimson, the largest Petunia we have seen.

Hebe.—Pure white, dwarf, compact habit.

Ivanhoe.—Deep maroon-crimson, margined white.

Merrimac.—Fine light rose, deeply fringed.

Othello.—Deep velvety purple; a grand fringed flower.

Pandora.—Light lavender, margined white; fine shape. 30c. each; the 6 varieties, \$1.50.

SINGLE PETUNIAS.

Faith.—Deepest maroon crimson, occasionally barred with white; flowers very large and numerous. 25c. each.

Hope.—A grand variety; deep crimson, shaded purple, with large white throat and fringed edges; flowers from four to five inches in diameter; a prolific bloomer; fine novelty. 25c. each.

Charity.—Light rosy crimson, blotched pure white, white throat; large flowers. 25c. each.

PERENNIAL PHLOXES.

These are perhaps the most beautiful and showy hardy plants for late Summer and Fall flowering. For cut flowers they are valuable and ornamental, and if grown in pots, they are excellent for conservatory decoration. The collection we offer embraces all colors found in the section, and are most distinct.

Adolph Weick.—Violet-red of deep shade.

Anabalis.—Most charming rosy salmon, with a deep carmine eye; superb trusses.

Amphion.—Orange-vermilion.

Chanzy.—Enormous rose-lilac flowers.

Coccinea.—Deepest fiery red; superb.

Cross of Honor.—Striped sort, rose-mauve and white; very showy.

Didon.—Rose, center carmine, sometimes striped white.

Heloise.—Rose, margined white, striped, and with a central star of carmine.

Lothair.—Fiery red, shaded violet-purple.

Madame Duranne.—White, center purple.

Marie Marimont.—Dead white, with cerise center.

Monsieur Delaunay.—Striped salmon, purple center.

Monsieur Guldenschluck.—Rosy-salmon.

Velleda.—Pure white, crimson eye.

Virgo Marie.—Large pure white; extra fine.

Vulcan.—Bright red; self-color; extra.

White Queen.—Pure white.

Each, 25c.; per dozen, \$2.00.

PELARGONIUMS.

(Lady Washington Type of Geranium.)

Fred. Dorner.—An entirely distinct and beautiful variety, possessing nearly all the ever-blooming qualities of the ordinary bedding Geraniums. The flowers are of good size, of a lovely shaded carmine-crimson, with maroon-crimson markings, distinctly edged with white, the center also shaded white; trusses composed of from 6 to 9 flowers; the habit of growth is vigorous, dwarf, and compact; valuable either for cut flowers or general decoration. 75c. each.

We can also offer a full collection of all the most desirable and standard varieties of this class, the markings and shades of which are so varied that description conveys no adequate idea of their beauty. We will forward a set of twelve of the very best, including all the colors found in the class, for \$4.50. Single plants, 50c. each.

POINSETTIA, NEW DOUBLE.

The single variety of Poinsettia is known to be one of the most gorgeous of plants—the bracts, or flower leaves, being often over a foot in diameter, and of the most brilliant vermilion color. The kind above offered is the *double* variety of this beautiful plant. The **double variety**, \$2.00, \$3.00, and \$5.00 each; the **single variety** at from 25c. to \$1.00 each, according to size.

Peperomia.—Curious succulent, striped leaves. 20c. each.

Plumbago capensis.—Light blue, blooming very abundantly. 30c. each; \$3.00 per dozen.

Chysianthus albus.—A climbing plant, with clusters of white flowers growing very rapidly; it is known as the "Cernel" plant. 35c. each.

Richardia alba maculata.—A spotted-leaved Calla. 50c. each; \$4.50 per dozen.

NEW SALVIA.

Schimperi.—A lovely new species, with peculiar bird-like flowers of a rich blue purple; of dwarf habit; a great acquisition. 50c. each.

SALVIAS.

Braunti.—Habit very dwarf and compact, flowers of the deepest crimson scarlet, trusses very large; a great improvement on *S. Splendens*. 25c. each.

Farinacea.—A distinct and beautiful species, with narrow leaves, and very compact growth; flowers pale sky-blue with white markings; sweet-scented; a beautiful variety. 25c. each.

Salvia splendens (Scarlet Sage).—Intense scarlet. 25c. each; \$2.25 per dozen.

Sedums (Stone Crop).—Twelve distinct sorts. 25c. each; \$2.25 per dozen.

Sempervivum (House Leeks).—Three species, 25c. each; \$2.50 per dozen.

Smilax.—The well-known climber. 25c. each.

Vase Plants and Basket Plants.—Of these we grow large quantities, suitable for urns, baskets, and vases; a fine collection. From \$2.50 to \$4.00 per dozen.

Violets: Marie Louise, Neapolitan, etc.—25c. each; \$2.25 per dozen.

Verbenas.—A splendid collection. 10c. each; \$1.00 per dozen. Unnamed varieties, 75c. per dozen.

ROSES, EVER BLOOMING.

Adam.—A superb rose, with large, fine, pink shaded flowers, fragrant and very free.

Aline Sisley.—A lovely shade of rosy pink, sometimes very bright; sweet-scented, fine.

Anna Ollivier.—Large, full, and very fragrant; creamy white, shaded light red.

Agrippina.—Splendid deep crimson; one of the most beautiful garden roses.

Alba Rosea.—Creamy white, shaded flesh and rose; large, double, and sweet.

Bon Silene.—Rosy carmine, shaded pale rose; lovely buds, free-blooming, and fragrant.

Cheviunt Hybrid.—Deep red, shaded maroon and crimson; large and full; climber.

Comtesse Riza du Parc.—A lovely rose, very sweet, flowers large; bright shining China rose.

Cornelia Cook.—Large, pure white; one of the very finest varieties grown.

Duchesse de Brabant.—Silvery rose, edged with carmine; one of the most fragrant; very fine.

Hermosa.—Silvery rose, pink, very double; flowering incessantly; extra.

Isabella Sprunt.—Light canary yellow; fine buds; fragrant.

Lamarque.—White, with lemon center; very double; fragrant, climbing.

Lady Warrander.—Pure white, very free flowering; an exquisite variety.

Marie Guillot.—Splendid large white flowers, globe-shaped; fine grower; one of the best.

Marie Van Houtte.—White and rose, deep yellow center; deliciously scented; free bloomer.

Mme. Camille.—Blush, shaded salmon pink; a very large fine flower.

Mme. Devacout.—Canary yellow; large and double; a beautiful variety.

Mme. de Vatry.—Splendid deep rose, shaded crimson; fine grower.

Mme. Bravy.—Exquisite shape, large, full; nearly pure white, blush center.

Mme. Pauline Laboute.—Salmon, shaded copper-color; large, full, and free.

Marechal Niel.—Golden yellow; a grand variety; climbing habit.

Marie Ducher.—Salmon, shaded rose and pink; large flowers; sweet.

Niphotos.—Pure white, sweet, large and full; an exquisite variety.

Premium de Charrisiems.—Carmine, shaped red; full, sweet, and free.

Rovelli.—A lovely shade of bright carmine; large, double, and very sweet.

Rubens.—Pale creamy yellow, shaded white and tinted rose; a superb variety.

Souvenir de la Malmaison.—Creamy white and pink; a grand rose.

Souvenir d'au Ami.—A lovely rosy pink, shaded deeper; splendid flowers.

Souvenir du David.—Very bright light red; a free bloomer; fine grower.

Safranot Buff.—Apricot and yellow; fine, large buds; one of the very best.

Sombrieni.—Nearly pure white; large, free-flowering, sweet, splendid.

Sir Walter Scott.—Free-flowering; very bright red; sweet-scented; free.

Washington.—Pure white; very free flowering; large clusters; a fine climber.

NOTE.—The above Roses are not hardy in the Northern States, and should be protected in a cold frame or a cool collar on the approach of hard frost. In the Southern States they will be perfectly hardy, and do not require covering.

These Roses are especially grown for mailing, and are stout and thrifty.

For \$1.00 we send to one address.....	5 Roses.
“ 2.00 “ “ “	12 “
“ 3.00 “ “ “	19 “
“ 4.00 “ “ “	26 “
“ 5.00 “ “ “	35 “
“ 10.00 “ “ “	75 “
“ 13.00 “ “ “	100 “

50 Roses, purchaser's selection, not to exceed 25 varieties, by express, \$6.50. By mail to one address, \$7.00.

100 Roses, purchaser's selection, not to exceed 50 varieties, by express, \$12.00. By mail, to one address, \$13.00.

When ordered sent by express, the purchaser must pay express charges.

Planters who wish several hundred Roses or other plants for their own use, will write for special rates—stating number and varieties wanted.

Large plants from 5-inch pots by express at double the prices.

ROSES.

(New and Selected Varieties, of Acknowledged Merit.)

Duke of Connaught (*Bennett*).—This is a most brilliantly colored deep crimson flower, shaded with light carmine, of the finest shape, and, perhaps, the most persistent blooming rose yet raised; after becoming established, it grows as freely as an ordinary Tea Rose. We have shoots made this season, thirty inches in length. This and the following variety are seedlings from the Hybrid Perpetual and Tea varieties, and classed as Hybrid Teas; well-rooted plants, from 2½-inch pots, \$1.00 each; from 4-inch pots, \$2.00 each.

Flag of the Union.—The advent of *striped* Roses is not often, and in this variety we have one that is a *strong* grower, a *free* bloomer, and of good size. It is a sport from the well-known "Bon Silene." The flowers are equal in size; rich deep carmine rose, mottled with pure white. The growth is equal to "Bon Silene," and quite distinct from "American Banner." Well-rooted plants, from 2½-inch pots, \$1.00 each.

Catharine Mermer.—This is a very beautiful and valuable variety; color clear rosy pink, with delicately shaded amber and fawn center; flowers are large, full, and globular; very double and sweet. 25c. each.

Innocent Pirola.—A very beautiful new and scarce sort; flowers pure white, sometimes faintly tinged with silver rose; large, full, and double, with long pointed buds, deliciously perfumed; a lovely and valuable Rose. 35c. each.

Perle des Jardins.—This magnificent Rose still retains its place as one of the most valuable sorts lately introduced; it gains favor as it becomes better known; color beautiful clear golden yellow; extra large globular flowers, very full and highly perfumed. 25c. each.

Doctor Berthet.—Beautiful silvery rose, brightening at center to deep carmine, shaded with magenta; fine large flowers, very double and sweet. 35c. each.

Jules Finger.—Flowers full and finely formed; color bright rosy scarlet, beautifully shaded with intense crimson; very fragrant; a vigorous grower and free bloomer. 50c. each.

La Princesse Vera.—Rich creamy white, beautifully shaded with coppery yellow, delicately veined with pale blush and carmine; large, full, double flowers; exquisitely scented. 35c. each.

Mad. Angele Jacquier.—A beautiful, large, finely formed Rose, very double and full, and deliciously perfumed; color bright rosy carmine, deepening to crimson, elegantly tinged and shaded with coppery yellow. 50c. each.

Michael Saunders.—Flowers large, of fine form, beautifully reflexed; color a rich deep bronzy pink, highly scented; a grand bedding variety. Well-rooted plants, from 2½-inch pots, 75c. each.

NEW CLIMBING ROSES.

William Allen Richardson.—New and fine; very distinct; color deep orange yellow, changing to coppery yellow; sometimes shaded at center with rosy blush; flower is large, quite full and double, and very fragrant. 50c. each.

Reine Marie Henriette.—A most distinct and rapid growing climber, with flowers very large, double, and of bright cerise red; a counterpart of that grand Rose "Gloire de Dijon," and we have no doubt equally as hardy; a great acquisition. 35c. each.

These prices are for well-rooted plants, from 2½-inch pots; the set of 12 New Roses for \$5.50.

HYBRID PERPETUAL ROSES.

(Quite Hardy.)

Alfred Colomb.—A splendid rose; large globular form, full and very sweet, bright clear red.

Antoine Mouton.—A fine, free bloomer, hardy, flower of large size, full and sweet, color brilliant carmine, reverse of petals silver rose.

General Jacqueminot.—Rich velvety scarlet, changing to scarlet crimson; magnificent bud.

Jean Liabaud.—Large, full, bold flower, elegantly scented; color dark rich velvety crimson.

John Hopper.—Brilliant rose, changing to bright crimson, reverse of petals lilac purple; a fine large showy sort, very fragrant.

Jules Margotten.—Bright cherry red, large, well formed; a splendid old variety.

La France.—Lovely peach-blossom color, delicious Tea fragrance, extra large size, very full and beautiful; a constant and profuse bloomer.

Louis Carrique.—Rich velvety crimson, large size, very double, full, and sweet.

Louis Odier.—Bright silvery rose, imbricated, sweet-scented.

La Reine.—Beautiful clear bright rose, fine full form, very fragrant.

Magna Charta.—A splendid new English Rose; extra large, full form, very double and sweet; color clear rosy pink, beautifully flushed and edged with violet crimson.

Price 20c. each; the 20 varieties for \$3.00; for well-rooted plants, in 2½-inch pots.

☞ We have a large quantity of good plants in 4 and 5 inch pots, which can be sent by express only. Purchaser's selection, 50c. each; \$5.50 per dozen. Our selection, 40c. each; \$4.50 per dozen.

MOSS ROSES.

Of these popular favorites we grow large stocks of all the standard sorts. 35c. each; set of eight distinct and beautiful varieties for \$2.00.

CLIMBING ROSES.

We can supply first-class well-rooted plants of all the best varieties of this class. 30c. each; set of eight distinct and beautiful varieties for \$2.00.

HARDY SHRUBS.

Althea, or Rose of Sharon.—These are among the most effective and continuous flowering shrubs; in various colors, such as double purple, double white, double rose, and double violet. 25 cents each.

Althea, Variegated Leaved.—A most beautiful and compact growing shrub; leaves margined with golden yellow; flowers double bright pink. 25 cents each.

Calycanthus Floridus (Strawberry Tree).—Deliciously sweet-scented double purple flowers, often flowering at intervals during the summer. 25 cents each.

Deutzia Gracilis.—A charming shrub, with very bright green foliage growing two or three feet high. Flowers pure white in large racemes. 25 cents each.

Deutzia Crenata.—Growing three to four feet high, with spikes of very double pure white flowers of the hardiest constitution. 25 cents each.

Hydraea Paniculata Grandiflora.—This is perhaps the finest late summer-flowering shrub known, giving large quantities of white flowers in immense heads or panicles; perfectly hardy. Prices of extra large plants, \$1.00; 2d size, 50 cents; 3d size, 25 cents, each.

Jasminum Nudiflorum.—Golden yellow Jessamine, hardy. 25 cents each.

Kerria Japonica.—A slender-branched shrub, with bright green leaves and double, yellow, globular-shaped flowers. 25 cents each.

Lilacs, Persian.—*Persian White, Large White, New Purple, and Charles X.* 25 cents each.

Mock Orange.—Syringas, three varieties, bearing exquisite pure white flowers in great profusion. 25 cents each.

Pyrus Japonica (Japan Quince).—Fine bright crimson scarlet; flowers in early spring. A fine hedge plant. 25 cents each.

Spiraea.—These are mostly beautiful early flowering shrubs, of various shaped flowers, either rose colored or white. The following are very fine: *Aurea, Callosa, Alba, Prunifolia, Billandierii* and *Reevesii*. 25 cents each.

Weigela Rosca.—Flowers opening light pink, passing to deep rose. One of the hardiest and most prolific flowering plants in cultivation. 25 cents each.

Weigela Aurea Variegata.—Deep green leaves, margined creamy white and yellow; flowers deep rose color. 25 cents each.

Viburnum Opulus (Snowball).—Large, pure white balls of flowers, end of May and June. One of the most beautiful shrubs. 25 cents each.

The above twenty-five very desirable varieties, one of each, for \$5.00.

HARDY CLIMBERS.

Akebia Quinata.—A beautiful slender climbing plant, with handsome and distinct foliage; flowers sweet-scented, deep chocolate. 35 cents each.

Ampelopsis Quinquefolia (Virginian Creeper).—A handsome native, rapid-growing vine, with deeply lobed leaves, and which change in autumn to deepest crimson. 25 cents each.

Ampelopsis Veitchii.—A gem amongst the "Ivies," with most graceful-shaped and richly deep-colored foliage clinging to the merest support. One of the most beautiful. 25 cents each.

Clematis Viticella.—A free-growing kind, with deep purple bell-shaped flowers, hardy. 25 cents each.

Honeysuckle, Chinese sweet-scented.—Fine fragrant yellow and white flowers. Constant flowering. 25 cents each.

Honeysuckle, Evergreen sweet-scented.—Flowers buff, yellow and white, nearly always in flower. Vigorous grower; fine for veranda. 25 cents each.

Honeysuckle, Sweet-scented European.—Flowers large and very sweet. Fine large trusses, pink, yellow and white. This is the *Old English Woodbine*. 25 cents each.

Honeysuckle, Japan or Golden.—Beautifully mottled golden yellow leaves. Flowers yellow and very fragrant. 25 cents each.

Honeysuckle, Halliana.—A fine white variety, changing to yellow. A free grower; one of the best. 25 cents each.

Honeysuckle, Red Coral.—A superb variety, rapid grower, trumpet-shaped flowers, brightest scarlet. 25 cents each.

English Ivy.—Strong plants. 25 cents each.

Wistaria.—Fine strong plants of the true Chinese variety; one of the handsomest climbers grown. Large plants, \$1.00; second size, 50 cents; third size, 25 cents, each.

The twelve beautiful varieties, one of each, for \$2.25.

VARIOUS HARDY PLANTS.

The following list of plants are among the most showy and thoroughly hardy plants, and should be planted early.

Anthericum liliago (*St. Bernard's Lily*).—Spikes of pure white flowers.

Chelone barbata.—Scarlet tube-shaped flowers.

Delphinium formosum.—Fine.

Diclytra spectabilis.—Very fine clumps.

Funkia variegata.—Fine in early Spring.

— *subcordata.*—Large pure white flowers.

Hemrocallis flava.—Yellow, lily-like flowers.

— **Kwauso, fl. pl.**—Showy, double, orange.

Hibiscus Californicus.—Large, pure white; fine.
— **moschatus.**—Very showy; hardy; herbaceous; pink flowers.

Heris Gibraltaria.—A perfectly hardy candy-tuft; pure white.

Lychnis viscaria, fl. pl.—Spikes of double stock-like pink flowers.

Spirea palmata.—Beautiful rose-colored flowers.

— **Japonica.**—Beautiful pure white flowers.

Each, 30c.; 12 varieties for \$2.50.

SELECT LIST

OF

VEGETABLE SEEDS.

Embracing all the leading and most popular varieties.
Brief directions for their culture will be found
under their respective headings.

IN submitting our **Catalogue of Vegetable Seeds** to the public, it is only necessary to state that our stock has been selected with great care from the best sources. Our seeds are *new* and of the best quality, having been raised by responsible growers, in whom we have perfect confidence. We invariably test our seed, that nothing may be sent out but what we *know* will vegetate, and prove true to the name and description. Aware of the importance to the Farmer and Gardener of having such seeds as can be relied upon, great care is used to supply every article true to name and of good quality, but nothing is warranted. A large proportion of our seeds are grown by special contract with the most experienced growers both in this country and in Europe; and we feel no hesitation in stating that no better seeds than those offered by us can be procured in this or any other country. Our rapidly increasing trade and satisfactory testimonials, received from every section of the country, are sufficient proof of their superior excellence.

In consequence of the frequent fluctuations in the market, we cannot be bound by these prices for any length of time. Our customers may rest assured, however, that their orders shall at all times be executed upon as favorable terms as the state of the market will allow.

TO PREVENT MISUNDERSTANDING, WE HAVE ANNEXED A LIST OF PRICES BY THE **Packet, Ounce, One-quarter Pound, Pound, Quart, Peck and Bushel**. PURCHASERS ORDERING A HALF POUND OR HALF BUSHEL WILL BE SUPPLIED AT POUND OR BUSHEL RATES; QUANTITIES LESS THAN ONE-HALF POUND OR ONE-HALF BUSHEL, AT ONE-QUARTER POUND OR ONE PECK RATES; FOR LESS THAN ONE-QUARTER POUND OR PECK, OUNCE AND QUART RATES WILL BE CHARGED; FOR LESS THAN ONE OUNCE, AT PACKET RATES. (See Remarks to Purchasers, Page 3.)

IMPORTANT TO PURCHASERS.

We have adopted a somewhat different plan in quoting prices for Vegetable Seeds this season. In our former Catalogues the prices have included the postage, but as many of our customers prefer to have their goods sent by express and many others make their purchases at our store, we have thought it best to quote prices delivered in our store, or to the different express or transportation companies in this city.

We will continue to supply our customers by mail as usual when desired, but in all such cases postage must be added at the rate of 16 cents per pound. This change applies only to Vegetable Seeds when ordered in quantities of a quarter of a pound and upwards. We shall continue to prepay postage without extra charge, when ordered in small quantities, by the ounce and packet.

In cases where the postage is not allowed we shall be obliged to deduct from the order a sufficient quantity to cover the deficiency, to avoid the necessity of opening accounts for small balances.

Complete collections of Vegetable Seeds, for one year's supply, suited to gardens of various sizes, will be found at page 105.

ARTICHOKE.

[*Cynara Scolymus*, LINNÆUS. *Artichaut*, FRENCH. *Artischoke*, GERMAN.]

CULTURE.—The Artichoke may be propagated by seed or offset suckers, separated in the Spring. When raised from seed let them be sown early in the Spring, say at the time of the flowering of the peach, in drills a foot apart, and four inches apart in the drills. The next Spring transplant to permanent beds in hills, three feet apart each way, with three plants to a hill. It requires a deep, rich loam, abounding in moisture, and may be protected in Winter by covering with litter or earth.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Globe.—Produces large globular heads of a dusky purple color, with thick, succulent scales; it is the best for general culture. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.25.

Jerusalem Artichoke.—Much esteemed for pickling, also makes excellent food for stock. Three lb. packages, by mail, \$1.00; per peck, \$1.25; bush., \$3.00; bbl., \$8.00.



Artichoke Green Globe. Page 69.



Conover's Colossal Asparagus. Page 70.

ASPARAGUS.

[*Asparagus officinalis*, LIN. *Asperge*, FR. *Spargel*, GER.]

CULTURE.—Soak the seed twenty-four hours in tepid water, and sow early in Spring in rows a foot apart, and keep clean by frequent weeding and hoeing. At one or two years old transplant to permanent beds. The ground should be trenched, or dug over, two feet deep, burying plenty of manure,—decayed leaves, leaf mold, rock-weed or kelp, when it can be had,—and mixing it thoroughly with the soil. Lay out the beds four and a half feet wide, and draw three drills, fourteen inches apart and six inches deep, lengthwise of each bed; place the roots in them, a foot apart, in their *natural position*, and cover four inches deep. A rich, sandy loam is most suitable. Every Autumn, after clearing off the stalks, spread on a covering of manure, to be forked in, with a good dressing of fine salt very early in the Spring. A new bed should not be cut over before the third year.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Smalley's Defiance.—Very early, good size, tender, and of delicious flavor. Per pkt., 25 cents; oz., 75 cents; $\frac{1}{4}$ lb., \$2.50; lb., \$8.00. Roots, one year old, 40 cents per doz.; \$2.50 per 100; two years old, 60 cents per doz.; \$4.00 per 100.

Conover's Colossal.—A well-known variety of large size; tender, and of good quality. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Conover's Colossal Roots.—One year old, \$0.75 per 100; \$6.00 per 1000; by mail, \$1.00 per 100. Plant $2\frac{1}{2}$ by 3 feet.

Conover's Colossal Roots.—Two years old, \$1.25 per 100; \$10.00 per 1000.

In consequence of the great bulk of the two years' old Asparagus we can only send one year old roots by mail.

BEANS (English).

[*Faba vulgaris*, LIN. *Fève de marais*, FR. *Gartenbohne*, GER.]

15 Cts. per Pt., 25 Cts. Qt., Extra, for Postage, on Beans of all kinds, when ordered by Mail.

CULTURE.—Plant as early in the Spring as the ground can be worked, from two to four inches apart, in drills from twenty-four to thirty inches apart. As soon as the plants are in full blossom, and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seeds. A straggling, heavy soil, with a considerable portion of clay, is indispensable for a good crop of this class of Beans.

Early Mazagan.—This variety is suitable both for field and garden culture. Per qt., 30 cents; peck, \$1.75; bush., \$6.00.

Broad Windsor.—Particularly valuable from its habit of ripening unequally, some pods being quite

full, while others are in various stages of filling. Per qt., 40 cents; peck, \$2.50; bush., \$8.00.

Long-pod Sword.—This sort is also adapted either for the garden or the field. Per qt., 40 cents; peck, \$2.00; bush., \$7.50.

BEANS (Dwarf, Snap, or Bush).

[*Phaseolus vulgaris*, LIN. *Haricot*, FR. *Bohne*, GER. *Frijol enano*, SP.]

Under the name of Dwarfs are classified all the low-growing sorts called in different Catalogues *Bush*, *Band*, *Snap*, *String*, or *French* Beans. The following are considered the most desirable varieties.

Newington Wonder.—A very productive variety pods very crisp and tender; a valuable variety for forcing. Per pkt., 10 cents; qt., 30; peck, \$1.50; hush., \$5.00.

Refugee, or Thousand to One.—Hardy, yields abundantly, and of fine quality; as a String Bean, or for pickling, it is considered the best. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.



English Bean. Page 70.



Brussels Sprouts. Page 75.

BEANS (Dwarf, Snap, or Bush)—Cont'd.

Early Feejee.—Without exception the earliest and most hardy variety grown. It grows to a good size, is very productive and of excellent quality. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Valentine.—Early and productive; pods tender and succulent. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Mohawk.—One of the hardiest and most productive of the dwarf varieties; seeds variegated with drab, purple and brown. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early China.—Very early and of fine quality; seeds white, colored and spotted about the eye with purplish red. Per pkt., 10 cents; qt., 30; peck, \$1.25; bush., \$4.50.

Early Round Yellow Six Weeks.—Very hardy, early and prolific; seeds orange yellow, with a narrow reddish brown line encircling the eye. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Long Yellow Six Weeks.—Hardy and prolific; seeds pale yellowish drab, with an olive-green line about the eye. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Large White Kidney, or Royal Dwarf.—As a Shell Bean, green or ripe, this is one of the best of the Dwarfs; the seeds are of large size, pure white, tender and delicate. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Turtle Soup Black.—The young pods of this variety are tender and of excellent quality, and are produced in great abundance; the ripe seed are most used in the preparation of Turtle Soup. Per pkt., 10 cents; qt., 30; peck, \$1.25; bush., \$4.50.

White Seeded Valentine.—A new variety, produced from the Red Speckled Valentine Snap Short, and of equal productiveness and good quality. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Rachel.—One of the earliest, hardy and productive; seeds brown, white at one end, pods crisp and tender when young. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Black Wax.—A variety of great merit, highly recommended as a String Bean; pods transparent; waxy yellow, thick and very tender. Per pkt., 10 cents; qt., 35; peck, \$2.00; bush., \$7.00.

Dwarf White Wax.—A variety, similar in every respect to the "Black Wax," except in color, which is pure white. Per pkt., 10 cents; qt., 35; peck, \$2.00; bush., \$7.00.

Crystal White Wax.—A new and distinct white seeded variety, with waxy transparent pods. It is stringless, succulent, crisp, tender, and of the richest flavor. The pods, though quick to develop, are remarkably slow to harden, and therefore retain their delicious tenderness on the bush longer than any other sort. Per pkt., 10 cents; qt., 40; peck, \$3.00; bush., \$10.00.

Golden Wax Dwarf.—A distinct variety, earlier than the Dwarf Black Wax; the pods are large, long and brittle, and entirely stringless. As a Snap Bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell Beans grown for winter use. Per pkt., 10 cents; qt., 35; peck, \$2.00; bush., \$7.50.

White Marrow.—An excellent variety for cooking when ripe, for which it is extensively grown. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Red Cranberry.—A stringless variety of great merit; very hardy and productive. Pods brittle, tender and fine flavored. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$5.00.

Red Kidney, or Chilian.—A strong growing and very productive variety, extensively grown for the Southern market; not desirable as a Snap Short, but shelled and dried, makes an excellent variety for Soup. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

All of the above, as well as the following varieties, are very sensitive to frost and cold, and should not be planted before the middle of Spring, when the ground has become light and warm. Hoe often, but only when dry, as earth scattered on the leaves when wet with dew or rain will cause them to rust, and greatly injure the crop.

BEANS (Pole or Running).

[*Haricots a Rames*, FR. *Stangen Bohne*, GER. *Frijol vastago*, SP.]CULTURE.—Plant in hills $3\frac{1}{4}$ feet apart each way, allowing four plants to a hill.

Early Dutch Case Knife.—This is one of the earliest and most prolific sorts, having long flat pods with white seeds, which are good green or dry. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Horticultural Cranberry, or Wren's Egg.—Pods striped with red, seeds oval, of medium size. Used both in the pod and shelled; very productive, and good dry. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Indian Chief, or Algerian Wax.—Remarkable for its fine, tender, succulent, and richly colored pods, which are produced in greater abundance, and continue fit for use longer than any other variety. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Giant Wax.—Pods six to nine inches long, thick and fleshy, of a pale yellow color, and waxy appearance; the seeds are tender, and may be used as snap Bean. Per pkt., 15 cents; qt., 50; peck, \$3.50; bush., \$12.00.

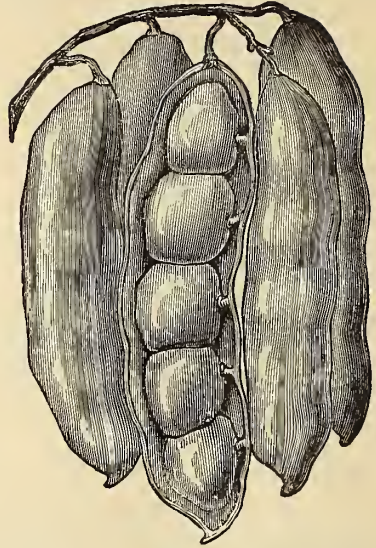
Mont D'Or, or Golden Butter.—A splendid variety of Pole Bean from France, with golden yellow pods—the most prolific of all, and of excellent quality. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Scarlet Runner.—The most productive, perhaps of all the Kidney Beans. It is cultivated for the beauty of its flowers, as well as for the economical uses to which its pods and seeds can be applied. Per pkt., 10 cents; qt., 50; peck, \$2.50; bush., \$9.00.

White Runner, or Dutch.—Seeds large, flat, and kidney-shaped, the whole plant differing but a little from the last named, excepting in seeds and flowers, which are white. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Lima, Extra Early.—A new and distinct variety fully ten days earlier than any other. Recommended for its earliness as a market sort; very productive and extra fine quality. Per pkt., 15; pint, 50.

Lima, Small, Carolina, Sewee, Sieva, or Saba.—Resembles the preceding, but is inferior to it in rich, buttery flavor; but it is earlier, more hardy, and surer to produce a good crop. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.



Dreer's Improved Lima Beans.

Lima, Dreer's Improved.—A marked improvement upon the old variety, more productive and of better quality. Per pkt., 10 cents; qt., 60; peck, \$3.75; bush., \$12.00.

Large Lima.—This bean, with the "Sieva," is much esteemed on our tables. It has broad, rough, rather full pods, with large white seeds, and bears profusely until killed by frost. When planted too early, the seeds are apt to rot in the ground. They thrive best in a rich, warm soil. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

BEET.

[*Beta vulgaris*, LIN. *Betterave*, FR. *Runkleruebe*, GER. *Remolacha*, SP.]

CULTURE.—Select for this crop deep and rich, yet rather light and loamy soil which has been well manured during the previous season; and, if this can not be done, the ground should be trenched two feet deep, and ridged up in Autumn. If it is deemed necessary to apply manure, a sprinkling of guano after the plants are up would be preferable to farm-yard manure, which often causes the roots to grow rough and forked, while straight, moderate sized roots are most desirable.

For an early supply, sow as soon as the ground can be worked in Spring, and the main crop the first week in May; but for Winter use sow as late as June. Sow in drills about one inch deep, and from fifteen to eighteen inches apart, covering with friable soil, and, if possible, select a dry day when the ground is in good working order for putting in the seed. By soaking the seed in tepid water for 24 hours it will vegetate much sooner. One ounce will sow a drill of one hundred feet in length—five to six pounds are required for an acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

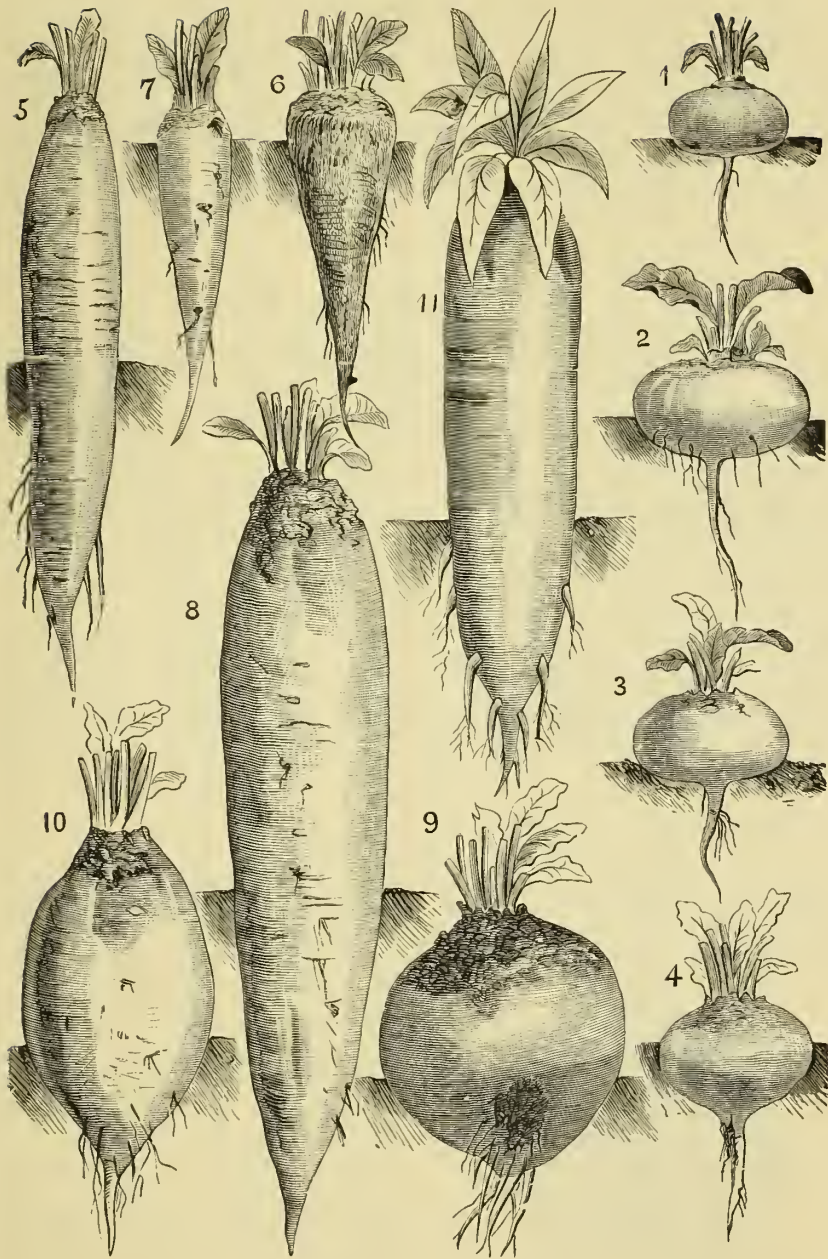
Dark Red Egyptian.—A new, early and superior variety, quite distinct, very deep red, tender and delicious; in form like the Flat Dutch Turnip; ten days earlier than any other; a most valuable market variety. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Flat Bussano.—Roots flat, turnip-shaped; flesh white, circled with rose color. A few days later than the Egyptian; grows to a good size on light soil, very tender and juicy. A fine market sort, valued for its early maturity. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 65.

Early Blood Turnip.—The standard early sort. Blood-red, turnip-shaped, with small top, tap-root; very tender, and good for early use and late keeping. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Dewing's Improved Blood Turnip.—Of fine form and flavor, deep blood red, roots of fine form; a very desirable market variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Early Yellow Turnip, or Orange.—Is more oval-shaped than the Blood Turnip; flesh yellow, very tender and juicy. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.



GARDEN AND FIELD BEETS.

- 1.—Early Dark Red Egyptian.
- 2.—Bassano.
- 3.—Blood Turnip.
- 4.—Dewing's Blood Turnip.

- 5.—Long Smooth Dark Blood.
- 6.—Rough Skinned.
- 7.—Deep Red Castelmandary.
- 8.—Mammoth Long Red Mangel Wurzel.

- 9.—Yellow Globe Mangel Wurzel.
- 10.—Olive Shaped Mangel Wurzel.
- 11.—Lane's Improved Sugar.

BEET.—*Cont'd.*

Pine-Apple.—An English variety, foliage small, but very dark red; roots dark crimson. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Half-Long Blood.—A favorite variety; smooth skin and very dark flesh; keeps well. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Lane's Improved Imperial Sugar.—The best Beet raised for feeding cows or young stock. From thirty to forty tons raised to the acre at a cost of from five to eight cents per bushel. The cheapness with which they can be raised, the large amount of healthy, nutritious food raised to the acre, and its great value as food for cattle, sheep and swine, make this the most profitable root to raise. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Swiss Chard, or Silver.—This variety of Beet, sometimes called "Sea Kale Beet," is cultivated for its leaf-stalks, which are served up much like Asparagus, and for its leaves, cooked as Spinach. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Smooth Long Dark Blood.—This is a long, smooth Beet, growing to good size, half out of the ground, with few or no side roots; color, dark blood red; top small, dark red and upright growth; keeps well. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb. 60.

French Sugar.—This grows to large size, much above ground; roots, medium length, white; leaves green; considerably grown in this country for feeding. Cultivated extensively for manufacture of sugar. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 40.

BEET (Mangel Wurzel).

Extensively grown in all parts of the country for feeding stock. Sow in April or May.

CULTURE.—The seeds should be sown about two inches apart in drills, two feet from row to row, and the plants after wards thinned out to one foot apart. From four to six pounds are required for an acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Golden Tankard.—One of the most nutritious varieties in cultivation; flesh deep yellow, tankard shape. A splendid cropper; valuable for dairy farming. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 80.

Prize Yellow Globe.—An extraordinary cropper, of beautiful shape, neat top, fine, clear skin, single tap root, nutritive qualities, suitable for all soils. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 80.

Long Red Mangel Wurzel.—A large, long variety. It stands a good deal out of the ground. Color, light red; flesh, white and rose-colored; leaves, green, veined with red. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 40.

Mammoth Long Red.—A new variety, producing roots of mammoth size, very regular and with a small top. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 75.

Yellow Globe.—A large, round, orange-colored variety, excellent quality, which keeps better than the long red, and produces better crops on shallow soil. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 40.

Red Globe.—Differing from the Yellow Globe only in color. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 50.

Warden Orange Globe.—A yellow Globe, unequalled for fineness of quality; has obtained many prizes at agricultural exhibitions in England; twelve well-shaped roots weighed 192 pounds. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; lb., 60.

Obendorf Red and Obendorf Yellow.—Two new German varieties, of fine shape, which grow to a large size, and are very productive. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Yellow Ovoid.—Bulb ovoid, intermediate between the Long and Globe varieties; flesh solid, usually white, zoned with yellow; hardy, vigorous and productive; very nutritious; Per oz., 10; $\frac{1}{4}$ lb. 25; lb. 75.

Kinver Yellow Globe.—A new and very productive variety; one of the best. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 75.

BORECOLE, or KALE.

[*Brassica oleracea acephalo*, LIN. *Chou-rest*, FR. *Gruener Kohl*, GER. *Breton*, SP.]

CULTURE.—To secure heavy crops of this hardy, useful Winter vegetable, a deep, rich soil is essential, and the ground should be trenched two feet deep and liberally manured. Sow about the middle of April, in well-prepared soil, covering the seeds thinly and evenly. Half an ounce will sow a bed of twenty square feet. Plant out in June, and cultivate as recommended for Cabbage.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.



Green Curled Scotch Borecole, or Kale.

Improved Siberian.—A new and very hardy variety, much in favor with the market gardeners around New-York. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Dwarf Purple or Brown Kale.—A beautiful curled variety, with reddish tinted leaves. A favorite with market gardeners, and frequently preferred for cooking. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Green Curled Scotch.—It is very hardy, and, like the Savoys, is improved by a moderate frost. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Improved Garnishing.—Very ornamental as a border plant, as well as useful for culinary purposes. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Dwarf Curled Kale, or German Greens.—Dwarf; leaves yellowish green, very finely fringed. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Cottager's Kale.—A valuable variety, of excellent flavor, and an immense cropper; grows about a foot in height; leaves rich green, curled and feathered to the ground. Pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

BRUSSELS SPROUTS.

[*Brassica oleracea bullata*, LIN. *Chou de Bruxelles*, FR. *Gruener Sprossen*, GER. *Breton de Bruselas*, SP.]

This plant rises two or three feet high, and produces from the sides of the stalks numerous little sprouts, resembling Cabbages, one or two inches in diameter. The leaves, which look like the Savoy, should be broken down in the Fall, to give the little Cabbages room to grow. They are very tender and sweet after early frosts. Sow in seed-beds, in May, transplant and cultivate like the Cabbage. Use the hoe often, and keep clean. They are used for Fall and Winter greens, and, being quite hardy, should be sown and treated like Scotch Kale. One ounce will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Brussels Sprouts.—French. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Improved Dwarf.—A new variety of excellent quality. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

BROCCOLI.

[*Brassica oleracea botrytis*, LIN. *Chou brocoli*, FR. *Brocoli*, *Spargel-Kohl*, GER.]

CULTURE.—The seed should be sown in hotbeds, for early crops, in April; for main crops, in May. When the plants are sufficiently strong, and before they are drawn by growing too closely together, transplant them into nursery beds or lines, allowing about four inches between the plants.

Plant as soon as the plants are sufficiently established, in rows from two feet to two feet six inches apart, leaving about the same distance between the plants. Keep them well supplied with water until they get fairly established.

One ounce of seed will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Purple Cape.—This is the most valuable kind for the North, producing large, close heads, of a brownish purple, and has an excellent flavor. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50.

Walcerean.—One of the best, with very large, firm heads. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00.

White Cape.—A later sort, and should be sown at the North very early in the Spring. The heads, when perfected, are large, white and compact, so nearly resembling the Cauliflower that it is sometimes called the "Cauliflower Broccoli." Per pkt., 10 cents; oz., 75; $\frac{1}{4}$ lb., \$2.00.

CABBAGE.

[*Brassica oleracea capitata*, LIN. *Chou pomme, ou cabus*, FR. *Kopfkohl*, GER.]

CULTURE.—For Cabbages, the ground must be highly manured, deeply dug or plowed, and thoroughly worked, to insure good, full-sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts are sometimes sown early in Autumn, protected in cold frames through the Winter, and transplanted early in Spring; but more generally at the North they are sown very early in the Spring in hotbeds, or later in the open ground. In the mild climate of the Southern States, where they will stand the Winter, they are planted out in the Fall. Plant out eighteen inches by two feet apart.

One ounce of seed will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Wyman.—One of the best and most profitable early market Cabbages grown; it heads early in the season, is of large size and first quality, and brings the highest price of any early Cabbage brought into the Boston market. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Early Wakefield (True Jersey variety).—This is a favorite variety with the market gardeners in the vicinity of New-York; it is very early, of medium size, good quality, and sure to head. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Early York.—This is one of the earliest and most valuable of the Spring and Summer varieties; heads small, rather heart-shaped, firm, very tender and excellent flavor. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.25.

Early Sugar Loaf.—An excellent early variety for the Northern States; it has conical heads of medium size, with spoon-shaped leaves; color bluish green. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.75.

Early Summer, Henderson's.—A new and very early sort, coming in just after the Wakefield; large firm heads. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50.

Early Rainham.—An English variety, small and very compact; recommended for the South. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Collards.—A variety of Cabbage grown extensively at the South, where it is cultivated for greens, and will always give a crop when cabbage fails. Our seed is true Creole, the only variety worth growing. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Bleichfeld Giant.—A new German variety; early, short stemmed; heads large and very solid. Per pkt., 10 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50.

Large Early Schweinfurt.—A German variety recently introduced, heads large, compact and of fine quality, adapted chiefly for Summer and Fall use; it is the largest early variety in cultivation. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

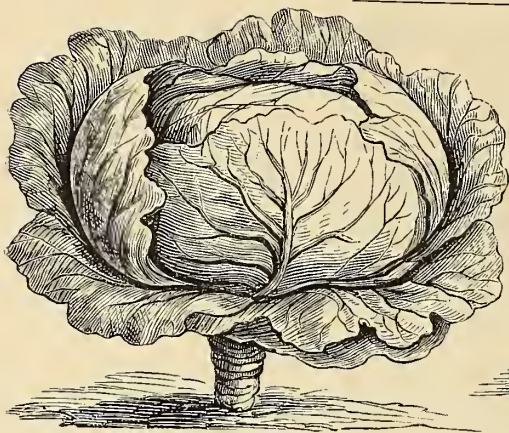
Early Drumhead or Battersea.—This is a second early variety, round, flat-headed, of excellent quality, and not liable to crack. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Flat Dutch.—A valuable early variety largely grown by the New-York market gardeners; head of good size; solid and of good flavor. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

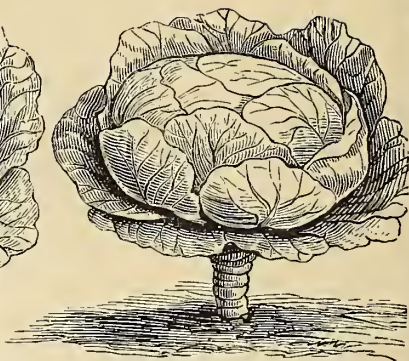
Fotler's Improved Brunswick.—This is, without exception, the best Early Drumhead variety in the market; produces a good firm and solid head, often weighing from twenty to thirty pounds; the quality is excellent; good heads were raised last season in eighty-five days from planting the seed. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$4.50.

Winnigstadt.—One of the best in cultivation for general use; comes both early and late, remarkably solid and hard, even in Summer; keeps well in hot and cold weather. Per pkt., 10 cts.; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.25.

Silver Leaf Drumhead.—An excellent market variety, firm, solid head, of large size, good keeper, fine shipping variety. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



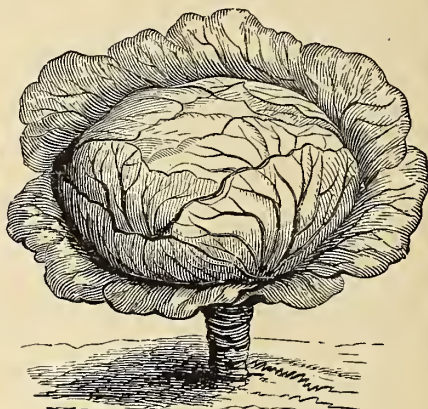
Marblehead Mammoth.
Page 77.



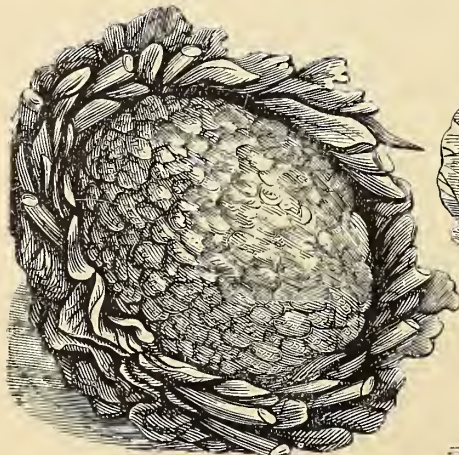
Stone Mason.
Page 77.



Improved American Savoy.
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Premium Flat Dutch.
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Half Early Paris Cauliflower.
Page 81.



Early Wyman.
Page 75.

CABBAGE.—*Cont'd.*

Large French Oxheart.—A most excellent variety, coming in use after the Early York; it grows low on the stump, and heads very close and firm, with but few loose leaves; color light green. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Large Early York.—Larger and two weeks later than the Early York; it endures the heat well; and is much esteemed at the South. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.25.

Stone Mason.—An improved variety of the Drumhead; head flat and solid, stem short and small, quality sweet, tender and rich; a profitable market variety. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Premium Flat Dutch.—As a variety for the Winter market it has no superior, and is more extensively grown than any other; head large, bluish green, round, solid, broad and flat on the top, and often tinted with reddish brown after being touched with frost; they open white and crisp, are tender and well-flavored; it is a Fall and Winter variety, and one of the very best to keep. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Filderkrout.—A German variety lately introduced into this country, which has proved to be one of the most desirable varieties; it heads up very solid, and is equally desirable for an early or a late variety; extensively used in Germany in the manufacture of "Krout." Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Marblehead Mammoth Drumhead.—This is, without doubt, the largest variety of the Cabbage family in the world; its size is indeed *Mammoth*; the weight is proportional to the size; succeeds admirably in the Southern States, and is now considered one of the best for that latitude. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Large Late Drumhead, American.—This is a large Fall and Winter variety, with broad, flat, or round heads; very compact, and of a lightish green. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large Bergen or Great American.—One of the largest and latest sorts, of a light green color, with a short stem; the heads are large, firm, very tender, and of most excellent flavor. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Large Late Drumhead, English.—A large Winter variety, with broad, flat, or round heads; very compact. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.50.

Early Blood Red, Erfurt.—An early variety of the Red Dutch, equally good for pickling; about ten days earlier. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Red Dutch, or Pickling.—This is an esteemed sort for pickling. It grows about medium size, and forms very hard, oblong heads, round at the top, of a dark red or purple color. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

CABBAGE, SAVOY.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Drumhead Savoy.—Very tender and excellent for Winter. The Savoys approach nearer to the delicious richness of the Cauliflower than any of the other Cabbages; sow early. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Victoria Savoy.—Excellent every way. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Improved American.—A most excellent variety, with large, firm heads, of superior flavor. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Green Globe, or Curled Savoy.—Leaves wrinkled and dark green; very hardy and improved by frost. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 65; lb., \$2.00.

CELERIAC, or TURNIP-ROOTED CELERY.

Sow early in the Spring, in light, rich soil, transplant in May into beds, water freely in dry weather. The roots, which resemble Turnips, will be ready in October. This vegetable is much esteemed in Europe, where its cultivation is well attended to. One-half ounce will sow a bed about four feet by six.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Celeriac, or Turnip-rooted Celery. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

CHERVIL.

[*Cherophyllum bulbosum.*]

[*Scandix Cerifolium*, LIN. *Cerfeuil*, FR. *Gartenkerbel*, GER.]

An annual, the leaves of which have a pleasant aromatic taste, and while young and tender are employed for flavoring soups and salads.

CULTURE.—The ground should be dry, deep, well pulverized and richly manured. Sow in drills from nine to twelve inches apart, covering the seeds to the depth of half an inch with fine soil.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chervil. Pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

CHERVIL, TURNIP-ROOTED.

The roots, which are eaten boiled, are of a gray color, and nearly of the size and form of the Early Horn Carrot. The flesh is white, farinaceous, and of a flavor intermediate between that of a Chestnut and a Potato.

CULTURE.—The seeds may be sown in drills in October or April, like the Carrot, preference being given to a rich, mellow soil. The roots will attain their full size by the following August or September, when they should be harvested. With a little care, to prevent sprouting, they may be kept until April.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chervil (Turnip-rooted). Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

CELERY.

[*Apium graveolens*, LIN. *Celeri*, FR. *Sellerie*, GER.]

CULTURE.—For the first crop sow early in March in a gentle hotbed, and for the main crop early in April on a warm sheltered border, and water carefully. The plants must be transplanted as soon as they will bear handling; plant out at intervals until the middle of July. The ground for this crop should be dug into trenches two spades deep and one foot in width, banking up the soil on each side of the trench. In all cases let the distance between the trenches be such as will furnish sufficient soil for earthing up the plants. The bottom of the trench should be covered six inches deep with thoroughly decayed manure, and then covered with one or two inches of soil for planting. Some gardeners prefer planting upon the surface instead of in trenches. When this plan is adopted the soil should be very rich and deep, and the plants placed in rows three feet apart, and from six to eight inches apart in the rows, according to the size of the variety. Place the plants about eight inches apart in the rows, removing them with a good mass of roots, and keeping them well supplied with water. Earth up the plants as they advance in growth, but leave the hearts uncovered until the final soiling. This operation of earthing should be performed only when the plants are dry, and at the final occasion neatly slant and smooth the soil so as to throw off the wet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Giant White Solid.—This is most commonly grown; clear white, solid, crisp. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Seymour's Superb White.—Esteemed as one of the best; it grows to a large size; stalks white, round, very crisp; perfectly solid. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Dwarf White French (Self-blanching).—A superb variety, of dwarf habit, very solid, crisp, and of fine flavor. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Incomparable Dwarf White.—A very dwarf late white, of stiff, close habit, solid, crisp and juicy. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Boston Market.—A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor; it is grown almost exclusively by Boston market gardeners. Per pkt., 10 cents; oz., 50 cents. Very scarce.

Mammoth (Laing's) Red.—This is the largest grown, attaining, under good cultivation, the extraordinary weight of ten or twelve pounds, and is perfectly solid. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Sandringham White.—A new and excellent variety, which originated in the garden of the Prince of Wales, and is one of the best of the white varieties; it is larger than the Incomparable White, but is not of coarse growth, and is very solid, crisp and of fine flavor. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 65; lb., \$2.25.

Incomparable Dwarf Crimson.—New, very dwarf habit; exceedingly solid, of fine dark crimson color. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Cole's Crystal White.—A dwarf variety, solid, crisp and fine flavored. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Crawford's Half Dwarf.—A new and extra fine variety, of fine flavor; a favorite among market gardeners. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.25; lb., \$8.00.

Sutton's Sulham Prize.—Without exception the best Pink Celery in cultivation; it is remarkably solid, crisp, fine walnut flavor. Per pkt., 15 cents; oz., 50.

Soup Celery.—Excellent for flavoring. 50 cents per lb.

CRESS, or PEPPERGRASS.

[*Lepidium sativum*, LIN. *Cresson*, FR. *Kresse*, GER. *Mastuerzo*, SP.]

Extensively used as a small salad. Sow early in Spring, very thickly, in shallow drills. The sowings should be repeated at short intervals, as it soon runs to seed. One ounce of seed will sow a bed of sixteen square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad Leaved, or Common.—Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 50.

Extra Curled.—Fine flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 50.

Henderson's Australian.—Fine, piquant flavor. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

CRESS (Water).

[*Sisymbrium nasturtium*, LIN. *Cresson de fontaine*, FR. *Brunnenkresse*, GER. *Berro*, SP.]

CULTURE.—The plant is cultivated by sowing the seeds by the side of running water, near springs which are not severely frozen in Winter. Transplanting, however, is always surer than sowing, and is, therefore, preferred. This ordinarily may be done from March till August. The distance between the plants should not generally be less than ten or fifteen inches. Stirring the earth about the roots from time to time is useful; but having once taken root, no further care is necessary.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Water Cress.—The leaves are universally used and eaten as an early and wholesome salad in Spring. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

True Erfurt.—A new, sweet variety. Per pkt., 20 cents; oz., 75.

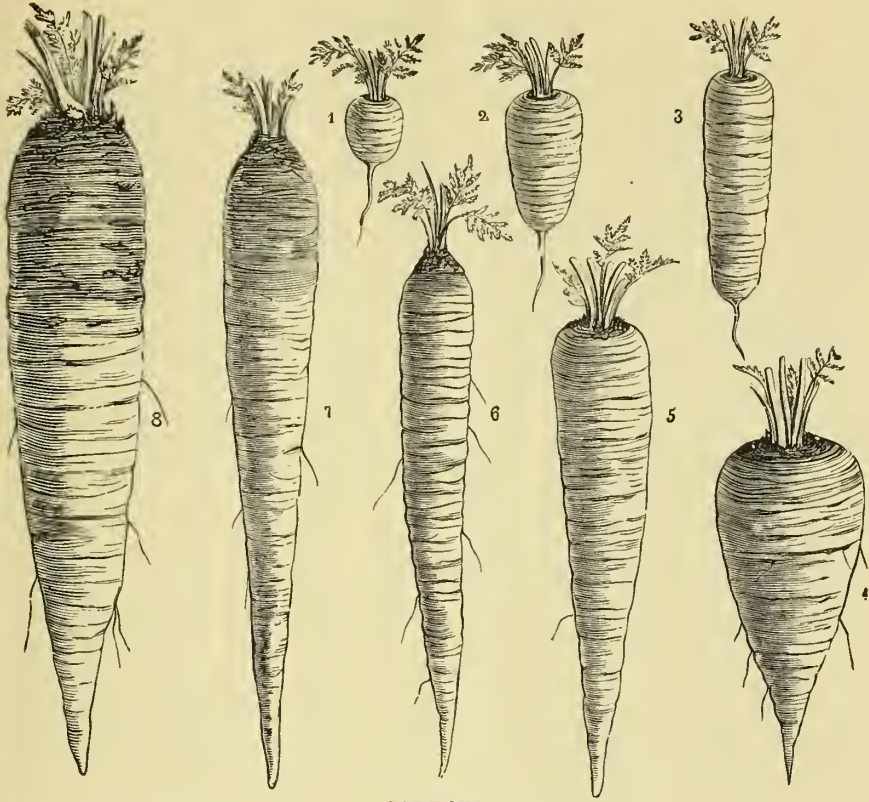
CHICORY.

[*Cichorium Intybus*, LIN.]

The roots of this vegetable are much used in Europe as a substitute for coffee. One ounce will sow a bed of four and one-half feet by thirty feet; four pounds to the acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chicory (Large-rooted, or Coffee). Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.



CARROTS.

- No. 1.—Earliest Forcing.
 No. 2.—Early Horn.
 No. 3.—Early Half Long Scarlet.
 No. 4.—White Large Short Vosges.

- No. 5.—Long Orange.
 No. 6.—Altringham.
 No. 7.—Bliss's Improved Long Orange.
 No. 8.—Large White Belgian.

CARROT.

[*Daucus carota*, LIN. *Carotte*, FR. *Moere*, GER.]

CULTURE.—A light, deep, sandy loam, or peaty soil, is most suitable, and, as barnyard manure applied in a fresh state, often induces forked and ill-shaped roots, ground which has been heavily manured the previous season should be selected. The soil should be trenched deeply, and ridged, as long before sowing as possible, and, if manure is considered indispensable, let this be given after the crop is up, using guano or some good artificial manure. Sow some early sort as soon as the ground is in fair working condition, in drills twelve to fifteen inches apart, covering the seeds evenly to the depth of about half an inch. As soon as the plants are sufficiently strong, thin out the main crop, so as to leave about eight inches between each.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Earliest French Forcing.—A favorite little Carrot, prized not only on account of its extreme earliness, but superior flavor; best for forcing. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Horn.—One of the earliest varieties; color deep orange; fine grained and agreeably flavored; top small; it is best for the table, and will grow very well on thin soil. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

French Intermediate.—An excellent variety, in size between the above and Long Orange. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Early Half-long Scarlet.—Stump-rooted; an intermediate sort between the Early Horn and Long Orange; good for shallow soils. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Improved Danvers.—Cylindrical shape, stump-rooted, bright orange red. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Long Orange.—Roots long, smooth, and deep orange color; suitable for the table and main field crop; it requires a good deep soil. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Bliss's Improved Long Orange.—An improvement on the preceding variety, originating in Massachusetts, and obtained by a careful selection for successive years of the best formed and deepest colored roots; a decided improvement on any hitherto offered, being larger, better flavored, of a deeper orange color, sure to produce a crop. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Altringham.—Root smaller than the orange; color bright orange red; neck small and conical; mild and well flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Large White Belgian.—Roots white, green above ground, with small tops; for sons and seasonings, also for stock. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 75.

CORN, SWEET.

[*Zea Mays*, LIN. *Maïs*, FR. *Welschkorn*, GER. *Maiz*, SP.]

10 cts. per pint, 20 cts. per quart, extra, for postage on Corn, of all kinds, when ordered by mail.

CULTURE.—Plant for a succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

Dolly Dutton.—The earliest sweet corn ever introduced. A very dwarf-growing sort, stalks from three to four feet high. Ears small, averaging from four to five inches in length, kernels of good size, tender, very sweet and delicious. It ripens from seven to ten days earlier than the Early Minnesota, and is of much better quality. Per pkt., 10 cents; qt., 50; peck, \$2.00; bush., \$6.00; select ears, 75 cents per doz.; by mail, \$1.00 per doz.

Washington Market or Egyptian.—This is the best of the large varieties of Sweet Corn, and when better known, will, we are confident, become a standard variety for general cultivation. It is of vigorous habit, the stalks averaging about seven feet in height. Ears large, having from twelve to fifteen rows of kernels of good size, and very productive. It is very sweet and tender, and of delicious flavor, surpassing all others. Invaluable for canning. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$5.00; select ears, 20 cents.

Triumph.—The earliest of all the large varieties, and unsurpassed for its richness, sweetness, and delicacy of flavor, productiveness, size of ear and white appearance when cooked. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.00.

Early Minnesota.—One of the earliest varieties of Sweet Corn in cultivation; the stock is of dwarf habit, ears small, very productive, and of excellent quality. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Early Narragansett.—One of the earliest of the sweet varieties, small ears, of fine flavor. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Extra Early Dwarf Sugar.—The medium height of the stalk is two and a half feet. The cob is white, ear small, eight-rowed, and corn very sweet. One of the earliest of the sweet varieties. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Darling's Extra Early Sugar.—This is one of the earliest of the tall sweet varieties, ears small, well formed, and very sweet. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Early Eight-rowed Sweet.—A fine variety; ears very long; cob white; eight-rowed, kernels large, deep and straight in the rows. It is highly recommended. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Moore's Early Concord Sweet.—Ears large, having from twelve to twenty rows on the ear; a superior variety, either for the market or family use, matures earlier than any other variety of equal size. Select ears 15 cents; per pkt., 10; qt., 25; peck, \$1.25; bush., \$4.50.

Crosby's Extra Early Sugar, or Boston Market.—The ears are rather short, averaging from twelve to sixteen rows; rich, sugary flavor; very productive. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Red Cob Sweet.—Medium early, cob red, kernels very large, deep, and in straight rows; ears long and well filled; one of the best varieties for the main crop. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Mammoth Sweet.—The largest variety, and late. Twelve to sixteen-rowed; cob white, large and well filled. Very productive, and fine flavored. Per pkt., 10 cts.; qt., 25; peck, \$1.25; bush., \$4.50.

Evergreen Sweet.—The latest and said to be the sweetest variety. One stalk will produce three to five ears, some of which will keep green till frost comes. Cob medium size, white; kernels small, deep, frequently irregular in the rows. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.00.

Black Sugar.—Sweet, tender, and delicious. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Early Burlington, or Adams.—A very early market variety; cob and kernels white, and in the true variety slightly indented; the ear good size, but rather short. An excellent early table variety. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Tuscarora.—This is a large variety, with large, flour-white kernels, a little indented; eight-rowed, cob red. It remains a long time in a boiling state. Per pkt., 10 cents; qt., 30; peck, \$1.25; bush., \$4.50.

Sweet Fodder.—\$2.50 per bush.

CORN (Indian). Varieties for Field Culture.

10 cents per ear postage must be added for Field Corn ordered by mail.

Queen of the Prairie.—A variety of Yellow Dent Corn, which, after several years' trial, has proved to be one of the most prolific and the earliest field corn in cultivation; planted as late as July 4th, it has fully matured by 1st of October. Selected ears, 25 cents; shelled, 3 lbs. by mail, post-paid, \$1.00; peck, \$1.25; bush., \$3.50.

Compton's Early Field.—A very early and most prolific variety. Stalks grow eight to ten feet in height, ears well filled to the end. Kernel medium, bright yellow, and of the flinty order. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Premium Chester County Mammoth.—This variety, wherever introduced, has given universal satisfaction, both on account of its large yields, fine quality of grain, and superior fodder. All who have tried it strongly recommend it. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Early Canada, or Canada Yellow.—Ears small; very early; usually ripening in August; admirably adapted for culture in the Northern States. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Eight-rowed White Flint.—Ears about ten inches long; kernel white, productive, and of good quality. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Eight-rowed Yellow Flint.—Similar to the preceding, except in color. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Yellow Dutton.—Highly prized for meal, both on account of its quality and its peculiar, bright, rich color. Per ear, 5 cents; doz., 50; hundred, \$3.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Large White Flint, or Hominy.—A very handsome and productive variety; long full ears of fine plump grain. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Blunt's White Prolific.—An early eight-rowed white flint variety, with short, uniform, well-shaped ears. Remarkably prolific, averaging six and eight good-sized ears on each stalk. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Parching, ears, per lb., 8 cents; hundred lbs., \$6.00.

Southern, for fodder, shelled, per peck, 75 cents; bush., \$2.25.

CAULIFLOWER.

[*Brassica oleracea botrytis*, LIN. *Choufleur*, FR. *Blumen-kohl*, GER.]

CULTURE.—For the Spring or Summer crop sow the early varieties, at the North, about the middle of September, and when two inches high transplant to three inches apart, into a frame covered with glazed shutters, where they must be protected through the Winter; in the Sprig transplant to two and a half feet apart, into soil prepared as recommended for Cabbage. Sow the same varieties for succession in a hot bed in March, and transplant when large enough. For the Autumn crop sow the late varieties in April or May in the open ground, and transplant like Winter Cabbages. In dry weather water freely, and as they advance in growth hoe deep and draw the earth to the stems. As they begin to head they should be well watered. One ounce will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Erfurt Earliest Dwarf.—Seed grown in Erfurt; the earliest variety in cultivation, very dwarf, with solid pure white heads, and of superior quality; one of the surest to head; seed very scarce. Per pkt., 50 cents; oz., \$10.00.

Erfurt Early Dwarf.—A favorite variety for the market; very early, fine compact heads, and of fine quality. Per pkt., 25 cents; oz., \$2.00; $\frac{1}{4}$ lb., \$7.00; lb., \$24.00.

Early Snowball.—An extremely early dwarf variety, resembling the Early Dwarf Erfurt; it grows on a robust stem, and produces magnificent white heads of the finest quality. Per pkt., 25 cents; oz., \$5.00.

Early Paris.—This is one of the earliest and tenderest sorts, particularly when sown in the Spring; its season in market is July to September. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Half Early Paris.—One of the most popular varieties; heads very white, compact, of delicious flavor, sure to head, and good for an early or late variety. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Nonpareil.—A well-known variety, highly esteemed; sure to head. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Early London.—An excellent variety, a little later than the above; heads large, very white and tender. Per pkt., 10 cents; oz., 75; $\frac{1}{4}$ lb., \$2.50; lb., \$8.00.

Algiers.—A very popular late variety, recently introduced, sure to head, and one of the very best for the market. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Erfurt Large Early White.—An excellent market variety, producing large, white, compact heads, of fine quality. Per pkt., 25 cents; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00; lb., \$18.00.

Imperial.—A medium early French variety, sure to head; grows to a large size, is of delicious flavor, and will prove a valuable market variety. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Early Dutch.—An early sort with large, compact heads. Per pkt., 10 cents; oz., 75; $\frac{1}{4}$ lb., \$2.50; lb., \$8.00.

Lenormand.—A French variety, highly recommended; heads extra large; quality superior in every respect. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Lenoruand Short Stemmed.—A new and superior variety, with fine, large and well-formed heads. Per pkt., 15 cents; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00; lb., \$13.00.

Walcheren.—A well known and favorite variety, very hardy, and produces large, white, firm heads, of uniform closeness. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

Veitch's Autumn Giant.—A valuable distinct late variety, producing large, white, firm heads, protected by the foliage. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

CORN SALAD, or FETTICUS.

[*Valeriana locusta*, LIN. *Mache*, *Salade de ble*, FR. *Ackersalat* *Lammersalat*, GER. *Macha*, SP.]

CULTURE.—The seeds are thickly sown in September in shallow drills, one-fourth of an inch deep. If the weather be dry the ground should be compressed with the feet or the back of a spade. It requires no other culture, except to keep the ground clear of weeds. In a high northern climate it requires protection during Winter with a slight covering of straw. If the soil is good and rich the flavor of this plant will be greatly improved.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Corn Salad, also called "Lamb's Lettuce," is an annual, usually cultivated as a Winter and Spring salad. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

New Lettuce Leaved.—A very fine variety of Italian Corn Salad; leaves large, light green and of fine quality. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

CUCUMBER.

[*Cucumis sativus*, LIN. *Concombre*, FR. *Gurke*, GER. *Pepino*, SP.]

CULTURE.—Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled, warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well-rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Russian Netted.—This variety is exceedingly prolific; its hardness surpasses all other varieties, consequently it is particularly adapted for northern or cold, bleak climates; it is of medium size, white flesh, and the skin is covered with a pretty, white net-work, which imparts to the fruit a peculiar as well as handsome appearance. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Frame.—The standard sort for the table and for pickling; of medium size, straight and handsome; it makes a beautiful pickle that keeps well. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

Early Russian.—The earliest in cultivation; it sets in pairs, and the first blossoms usually produce fruit; flavor pleasant and agreeable. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.



GROUP OF CUCUMBERS.

1.—Early Cluster.
2.—Long Green Prickly.

3.—Early Frame.
4.—Early Russian.

5.—White Spine.
6.—General Grant.

CUCUMBER.—*Cont'd.*

Early White Spine.—The best sort for the table; the fruit, in turning white at maturity, retains its fresh appearance much longer than any of the yellow varieties; on this account it is a favorite with market men; good for forcing and a great bearer. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

Early Green Cluster.—A short, prickly variety, bearing in clusters near the root; it is a great bearer, and comes to maturity the earliest in the list, excepting the early Russian. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Improved Early White Spine, or Arlington.—An improved variety of the White Spine Cucumber, which has succeeded better than any other variety for forcing on a large scale, as practiced by the market gardeners in the vicinity of Boston, where, in addition to those grown for home consumption, thousands are annually sent to the New-York market, where it is much esteemed for its superior quality; it is also extensively grown in the Southern States for shipping North in the early part of the season. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Long Green Prickly.—A very excellent variety, a good bearer, about a foot in length, firm and crisp. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Extra Long White Spine.—A marked improvement on the well-known White Spine variety, being much longer, far more prolific, superior for table use, and equally as good for pickling. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

General Grant.—Highly recommended; solid, and of a most agreeable flavor. Per pkt., 25 cents.

Small Gherkin, or Burr.—Fine for pickles. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Boston Pickling.—One of the best for pickling. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Green Prolific Pickling.—A new variety, selected with great care by one of the largest growers of pickling cucumbers in the country; with good culture 200,000 can be grown on one acre. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Tailby's Hybrid.—A cross between the White Spine and a variety of the large English sorts; grows to a large size, and is well worthy the attention of amateurs and market gardeners. Per pkt., 10 cents; oz., 25.

Khiva-Netted.—Of oblong shape, has white flesh and brownish yellow skin, netted with white; being very productive and hardy, it is well adapted for culture in northern latitudes or in cold, bleak districts. Per pkt., 15 cents; oz., 50.

Swan-Neck.—A new and highly esteemed variety, of excellent flavor; grows from one to two feet in length, a most abundant cropper, and produces fruit until vines are destroyed by frost; equally well adapted for the frame or open ground. Per pkt., 25 cents.

White Japan.—A pure white variety, productive and of fine quality, either for the table or for pickles. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75.

ENGLISH AND GERMAN FRAME VARIETIES.

The following are recommended for forcing:

Marquis of Lorne.—A new and highly esteemed variety, of handsome form and of fine flavor. Pkts. of 10 seeds, 25 cents.

Rollisson's Telegraph.—Very prolific, early, crisp and of superior quality. Pkts. of 5 seeds, 25 cents.

Giant of Arnstadt.—Very long, of fine quality, 20 inches. Per pkt., 25 cents.

Glory of Erfurt, New White.—Early, very long, pure snow white. Per pkt., 25 cents.

DANDELION.

[*Leontodon Taraxacum*, LIN. *Pisse-en-lit*, FR. *Loewenzahn*, GER. *Amargon*, SP.]

The Dandelion resembles Endive, and affords one of the earliest, as well as one of the best and most healthful Spring greens. It is also sometimes blanched and used as a salad. The roots, when dried and roasted, are often employed as a substitute for coffee. The seeds may be sown in May, in drills ten inches apart; thin out the young plants about three inches apart; cultivate during the season, and in the following Spring the plants will be fit for the table.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Dandelion.—Common variety. Per pkt., 10 cents; oz. 30 cents; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Improved Large Leaved.—Per pkt., 20 cents; oz., 75 cents.

EGG-PLANT.

[*Solanum melongena*, LIN. *Aubergine*, FR. *Eierpflanze*, GER. *Berengena*, SP.]

CULTURE.—Sow thickly on a hotbed for early crops, or very early in the Spring, in a warm, sheltered, dry situation in open ground, where they can be protected by hand glasses. When the plants are three or four inches high, and the warm weather has set in, transplant them into well-enriched ground, about thirty inches apart, each way. Draw earth to the plants as they advance. One ounce of seed will produce about one thousand plants.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New-York Improved Purple.—An improved variety of the Round Purple, of deeper color, and of larger size, and of fine quality; a superior market variety. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.



N. Y. Purple Egg Plant.

Early Long Purple.—Early, of easy culture; thrives well in almost any section of the Northern States, and, if started early, will perfect its fruit in the Canadas. Per pkt., 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Round Purple.—Fruit obovate, four or five inches in diameter, and of fine, deep purple when well matured; sometimes striped or razed with yellowish green. Per pkt., 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Pekin New Black.—A new and distinct variety from China. Fruit round, or globular, deep purple, almost black, weighing four to eight pounds each. Early and exceedingly prolific. The flesh is white, fine grained and delicately flavored. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Guadeloupe Striped.—Fruit nearly ovoid, smaller than the Long Purple; skin white and variegated with purple; very ornamental. Per pkt., 10 cents; oz., 50.

White Fruited.—Fruit milk white, egg-shaped; grown principally for ornament. Per pkt., 10 cents; oz., 50.

Scarlet Fruited.—A highly ornamental variety; fruit about the size of a hen's egg, first of a whitish color, from which it changes to a yellow, and afterwards to a brilliant scarlet; not edible. Per pkt., 10 cents; oz., 50.

Tomato-shaped.—Color beautiful, bright red; very ornamental; not edible. Pkt., 10 cents; oz., 75.

ENDIVE.

[*Cichorium endivia*, LIN. *Chicoree-endive*, FR. *Endiven*, GER. *Endivia*, SP.]

This is a hardy annual, cultivated principally for a Winter salad.

CULTURE.—Make the first sowing about the middle of May on a bed of well-pulverized rich soil, scattering the seed thinly, and covering it lightly. For the main crop sow in the middle of June, and again about the middle of July; and for plants to stand the Winter sow early in August. When the plants are about two inches high transplant into nursery beds upon rich, well-prepared soil, taking special care not to injure the roots, as this, as well as the want of water in hot, dry weather, will cause them to run to seed. In dry seasons copious waterings will be necessary to keep the plants in a quick growing, and consequently a crisp and brittle state. When fully grown, the process of blanching may be commenced by tying the leaves loosely together with bass matting, to exclude the light and air from the inner leaves, which in the course of a few weeks will become blanching.

Blanching may also be accomplished by covering the plants with boards to exclude the light. One ounce will sow a bed of about eighty square feet. When severe weather is feared, a portion of the plants may be lifted with balls and planted closely together in pits or frames, where they can be protected.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Green Curled.—The hardest sort, with beautifully enripled dark green leaves, tender and very crisp. Per pkt., 5 cents; oz. 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

White Curled.—Resembles the Green, except in color and hardness. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.85.

Broad-leaved Batavian.—This is the *Chicoree scarole* of the French, and is chiefly used in stews and soups. Leaves broad, light green, and plain. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.85.

French Moss.—Beautifully curled, and when well developed appears like a tuft of moss. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

GARLIC.

[*Allium sativum*, LIN. *Ail*, FR. *Knoblauch*, GER. *Ajo*, SP.]

Extensively grown for flavoring soups, stews and other dishes, also for medicinal uses.

CULTURE.—They succeed best when planted in light, rich soil. Plant in April or May one inch deep in drills fourteen inches apart, and five or six inches apart in the rows. Keep the soil loose and the plants clear of weeds, and when the plants wither, the bulbs will have attained their growth and be ready for harvesting.

If by mail, postage must be added at the rate of 16c. per lb.

Sets.—Per lb., 35 cents.

KALE (See Borecole).

KOHL-RABI.

[*Brassica caulorapa*, LIN. *Chou-rave*, FR. *Kohlrabi*, GER. *Colinabo*, SP.]

CULTURE.—The seeds of this plant may be sown at the same period as the Swedish or Rnta-baga Turnip, and may be cultivated in the same way, remembering to leave the chief part of the stems uncovered by the earth. The bulbs may be kept sound and nutritious until late in the Spring—even later than those of the Swedes. One ounce of seed will produce about two thousand plants.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early White Vienna.—Above ground; fine early sort, excellent table variety. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$2.80.

Early Purple Vienna.—Above ground; similar to preceding, except in color, equally good for the

table. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Large White, or Green.—Above ground; excellent variety for farm culture. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

LEEK.

[*Allium porrum*, LIN. *Poireau*, FR. *Lauch*, GER. *Puerro*, SP.]

CULTURE.—The Leek is very hardy, and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in Spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad London, or Flag.—A large and strong plant, with broad leaves growing only on two sides, like the Flag. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Large American Flag.—A favorite variety with the market gardeners; of strong and vigorous growth. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Musselburgh.—Stem somewhat shorter than the London, but of equal thickness, leaves broad and tall, spread like a fan; hardy and of excellent qual-

ity. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Extra Large Carentan.—Very hardy, of extraordinary size, much larger in every respect than any other variety, and of fine quality. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large Rouen.—Leaves dark green, broad and thick, stem short and thick; largely grown in the vicinity of Paris; it is also the best for forcing. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

LETTUCE.

[*Lactuca sativa*, LIN. *Laitue*, FR. *Lattich*, GER. *Lechuga*, SP.]

CULTURE.—Several sowings are requisite during the season. For an early crop sow under glass in February, and transplant on a well-prepared bed, in some sheltered corner, in April. For successional crops, sow in beds of well-pulverized soil in March, and at intervals of about a fortnight until the end of May. When sown for cutting young, the seed may be put in rather thick, in rows or broadcast, but to have finer heads it should be sown thinly in rows, and transplanted a foot apart into the richest soil. The Hammersmith and Brown Dutch varieties may be sown in September, in a dry, sheltered situation, and if protected by a loose covering of straw and evergreen boughs, will stand the Winter well, and give a good crop early in the Spring; or they may be transplanted in cold frames, where they will head during the Winter and early Spring. One ounce of seed requires a seed-bed of one hundred and twenty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

American Gathering.—A distinct variety, the tips of the leaves being marked with red; very solid, exceedingly crisp, and of excellent flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Black-Seeded Simpson.—Similar in habit, but nearly double the size and of a lighter color than the ordinary Curled Simpson. Stands the summer well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.75.

Green Fringed.—A distinct and handsome variety, of a peculiar shade of green, with the edges beautifully fringed; inner part of the leaves well blanched; remains fit for use nearly all summer. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

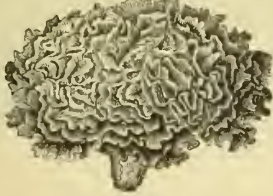
Early Curled Slesia.—An early variety of strong growth; leaves large, light yellow, wrinkled. For forcing and the first Spring sowing it is highly esteemed. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Curled Simpson.—An improved variety of the preceding, very early, and an excellent sort for forcing, is largely grown by the market gardeners in the vicinity of New-York. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Tennis Ball.—Well-formed beads, hardy and crisp; of excellent quality. One of the earliest of the heading varieties. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

LETTUCE.—*Cont'd.*

Boston Market.—An improved variety of the Tennis Ball; one of the best for forcing. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Boston Curled.

Boston Curled.—A variety of great beauty and of very superior quality. The symmetry of its growth, and fine, elegant frilling of the leaves, render it highly ornamental. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Perpignan.—A German variety, highly recommended, stands the Summer heat well, does not run so quickly to seed as most other varieties. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Large India.

Large India.—One of the largest varieties. It forms large, round heads, which cut white, brittle, and almost transparent. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Royal Summer Cabbage.—Color light yellow; leaves uniform, nearly all turned into the head, which is well formed, good size, close, and a little flattened. It stands the heat well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Butter Salad.—Very tender and of delicate flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Brown Winter Cabbage.—A very hardy variety; will stand Winter well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Hanson Lettuce.—Heads very large, solid, sometimes weighing two to three pounds; tender, crisp and of fine flavor; color beautiful green outside and white within. Stands the Summer heat well; one of the very best in cultivation. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Drumhead, or Malta.—One of the best Summer Lettuces; large, crisp, compact. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.30.

Early Prize Head.—An early variety, forming a mammoth head, remains tender and crisp throughout the season; of superb flavor, and very hardy. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Brown Dutch.—Generally sown in Autumn, and will endure the Winter with slight protection. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Hammersmith Hardy Green.—The best for Autumn sowing to stand Winter. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Paris Green Cos.—One of the best of the Cos varieties. It grows upright, with long, narrow, and dark green leaves. It should be tied up to blanch a week or ten days before cutting. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.75.

Paris White Cos.—Similar to the above, with leaves of lighter color. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.75.

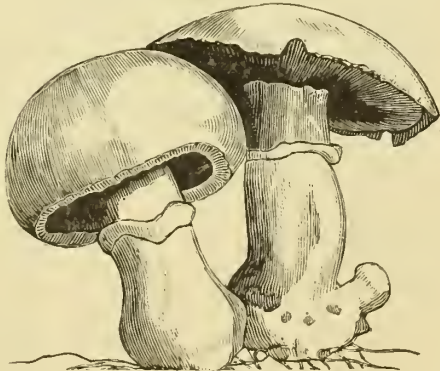
All the Year Round.—This is a distinct and valuable variety, hardy, crisp, and compact, with small close heads. If sown at intervals, it will provide lettuce all the year round. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large Winter Cabbage.—Larger than Hammersmith, whiter in color and heading more freely; a most valuable Winter Lettuce. Per pkt., 15 cents; oz., 50; lb., \$3.00.

Satisfaction.—A new English variety, large, compact, solid and crisp; stands the heat well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Martynia for Pickles.

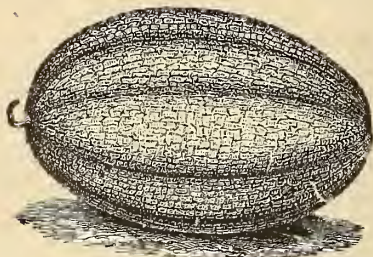


Mushrooms. Page 87.

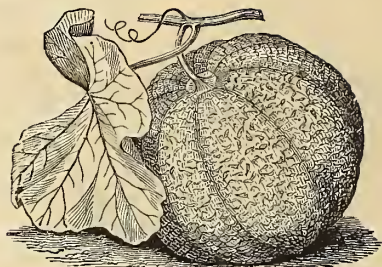
MARTYNIA.

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Sow in May, in the open ground, about three feet each way, where the plants are to remain; leave but one plant in a hill, or a few seeds may be sown in a hotbed, and afterwards transplanted.

Martynia proboscidea.—Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Cassaba Melon.



Green Citron Melon.

MELON (Musk Varieties).

[*Cucumis melo*, LIN. *Melon*, FR. *Melone*, GER. *Melon Muscatel*, SP.]

CULTURE.—Plant late in Spring, in hills five or six feet apart each way, well manured with old rotten compost; scatter a dozen seeds to a hill, and after they are out of danger from bugs, thin to three or four plants. When they have four or five rough leaves, pinch off the end of the main shoot, which will cause the lateral branches to put forth sooner. It will strengthen the growth of the vines, and the fruit will come earlier to maturity. A light, dry, sandy soil, and a dry atmosphere are most suitable. Melons should not be planted near other varieties, if it is desired to preserve them pure. They have arrived at perfection when the stem will cleave from the fruit. A very rough netted skin is the most sure indication of a high-flavored fruit. The varieties are numerous, but the following are most esteemed:

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Cassaba.—A Musk melon of extraordinary size and delicious flavor; weight from 12 to 15 pounds. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Nutmeg.—Of larger growth, globose shaped; flesh green; highly scented. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

White Japan.—A native of Japan, very early, and decidedly the sweetest, thin-skinned Musk-melon. Color of fruit cream white; flesh thick, size medium, and nearly round. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.25.

Jenny Lind.—Small size, delicious flavor; early. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Christiana.—Green, with yellow flesh; ten days earlier than Nutmeg, of fine flavor, most excellent sort. Very early, which renders it particularly valuable for a Northern climate. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.25.

Sill's Hybrid.—Medium size; greenish white surface, with salmon colored flesh; early, productive very sweet, and of delicious flavor. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.25.

Pine-Apple.—A dark green, oval Melon, of medium size; rough-netted; flesh thick, firm, and sweet. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Skillman's Fine Netted.—A small, rough-netted variety, flattened at the ends; flesh green, very thick, firm, sugary, of the most delicious flavor. The earliest of the green-fleshed melons. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Hackensack.—A variety of the Green Citron Musk-melon, well known among the New-York market gardeners. It grows to a very large size; is very productive, as well as a very showy variety, of exquisite flavor. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Ward's Nectar.—A new green fleshed variety, of fine quality, sweet, rich and delicious. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Burpee's Netted Gem.—This melon has been thoroughly tested, and is considered a most valuable acquisition. In form it is almost a perfect globe, the skin is green, regularly ribbed, and thickly netted; the flesh is light green, melting, and of luscious flavor. It is EXTRA EARLY, VERY PROLIFIC, keeps well, and cannot fail to prove the most profitable small musk-melon that can be raised. Pkt., 15c.; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Bay View Melon.—The largest, most prolific, best flavored, and finest cantaloupe in cultivation; it is peculiarly luscious and sweet, and is the most hardy melon known; it can be picked quite green, will ripen up finely, and carry safely for a long distance. Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

New Surprise Melon.—This melon has a thin, cream-colored skin, thickly netted; flesh deep salmon color, and of exquisite flavor, and very prolific. All who have tasted it pronounce it, without exception, the finest they have eaten. Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Green Citron.—Handsome, roundish fruit, flattened at the ends; roughly netted all over; flesh thick, green, melting, very sweet; high flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Large Musk.—This is the largest variety; long oval shape, deeply ribbed; flesh thick, light salmon colored, and of peculiar musky flavor; early and productive. This kind is used in its green state for "mangoes." Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

Large Yellow Cantaloupe.—A good-sized, nearly round fruit; netted and slightly ribbed; flesh salmon colored, thick, and musk-flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

Green Climbing Melon.—A netted variety to be trained upon a trellis; productive, and of exquisite flavor. Per pkt., 10 cents.

MUSTARD.

[*Sinapis*, LIN. *Moutarde*, FR. *Seuf*, GER. *Mostaza*, SP.]

CULTURE.—For early salads sow on a slight hotbed in March, and for a general crop at intervals through the Spring, in rows six inches apart, and rather thick in the rows; cut it when about an inch or two high. *If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.*

White or Yellow.—For salads or medicinal purposes. Per oz., 10 cents; $\frac{1}{4}$ lb., 15; lb., 40.

Black or Brown.—For culinary use. Per oz., 10 cents; $\frac{1}{4}$ lb., 15; lb., 40.

Chinese.—Leaves twice the size of the ordinary White Mustard, of a deeper green, flavor pleasantly sweet and pungent, and preferable as a salad. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; lb., 75.



Mountain Sweet Water-melon.



Citron Water-melon.

MELON (Water).

[*Cucurbita citrullus* LIN. *Melon d'eau*, FR. *Wassermelone*, GER. *Zandia*, SP.]

CULTURE.—Plant in hills, six to eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out broad, and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil, filling up a little above the level of the ground. The plants will fruit better by occasionally pinching the leading shoots off the vines. One ounce of seed will be sufficient for about one hundred hills.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16 cents per pound.

Phinney (Early Oval).—Bright red flesh, sweet, tender, and well-flavored; fine market variety. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Gipsey.—A very superior variety; oblong, light green, beautifully mottled and striped with white; flesh scarlet, very solid, and of delicious flavor; one of the best market varieties. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 80.

Black Spanish.—Round, very dark green, with scarlet flesh, and black seeds. Very thin rind, rich sugary flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 80.

Mountain Sweet.—One of the very best for general culture; color dark green, rind thin, flesh scarlet, solid, very sweet and delicious. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 80.

Mountain Sprout, or Long Carolina.—A large, long, striped variety, with bright scarlet flesh and drab-colored seeds. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 80.

Ice Cream.—Medium size, nearly round; color pale green; white seed, thin rind; flesh solid, scarlet, crisp, of delicious flavor. Per pkt., 10 cents; oz., 20; $\frac{1}{2}$ lb., 50; lb., \$1.50.

Vick's Early.—A long, smooth, rather small variety, highly prized for its earliness; oblong in shape, size medium, flesh bright pink, sweet and solid. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Apple Pie Melon.—When stewed and made into pies, it is an excellent substitute for apples. Keeps till May. Directions for cooking accompany each packet. Per pkt., 10c.; oz., 20; $\frac{1}{2}$ lb., 50; lb., \$1.50.

Citron.—For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid, seeds red. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Cuban Queen.—This is certainly the largest and finest variety ever introduced. The skin is beautifully striped, dark and light green. The vines are strong, healthy and vigorous in growth; flesh bright red, remarkably solid, peculiarly luscious, crisp, and sugary, and in delicious flavor is unsurpassed. It is an excellent keeper, and, although the rind is unusually thin, bears transit well. Per pkt., 15c.; oz., 50; $\frac{1}{2}$ lb., \$1.75; lb., \$5.00.

Persian.—Pale green, with dark stripes; crimson flesh, of fine texture, and delicious flavor; can be taken off the vine to ripen and will keep till winter. Per pkt., 15 cents; oz., 50.

Russian American.—Solid crimson flesh of delicious crispness and sweetness of flavor. Per pkt., 15 cents; oz., 50.

Odella.—Round, of large size, light green skin, bright red flesh of fine flavor; early and very prolific. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Excelsior.—Resembles the Mountain Sprout, being beautifully marked with bright green stripes. The flesh is a bright red, very delicate and sweet, while in size it is one of the largest now sold. Per pkt., 10 cents; oz., 25; $\frac{1}{2}$ lb., 75; lb., \$2.25.

Orange.—Peculiar for the division of its flesh from the rind, which may be taken off like the rind of an orange, by a little separation with a knife. The shape is oval; color green; flesh red, of medium quality, seeds thick and short. Per pkt., 10 cents; oz., 20; $\frac{1}{2}$ lb., 40; lb., \$1.25.

Southern Rattlesnake.—An exceedingly popular variety, on account of its fine shipping qualities; of oblong shape; light green color, beautifully striped; remarkably thin rind, giving a deep flesh, which is scarlet, solid, and deliciously sweet. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 50; lb., \$1.50.

MUSHROOM SPAWN.

Mushrooms may be cultivated much easier than is generally supposed. They may be grown in a cellar or shed, or in beds prepared in the open air in the same manner as hotbeds. Take fresh horse manure, shake it well apart, and lay it into a heap to ferment. Turn and mix it well every three or four days, by shaking together the outside of the heap which is cold, and the inside which is hot, so that every part of it may be equally fermented and deprived of its noxious quality. When the dung is in a fit state to be made into a bed, which will be in two or three weeks after it has been put together to ferment, select a dry spot for a foundation. Mark out the bed, which should be four feet wide, and as long as you choose to make it. In making the bed mix the dung well together, beating it down with the fork until from eighteen to twenty-four inches thick. In this state it may remain until the temperature is about 74 degrees. Divide the large cakes of spawn into small lumps, plant two inches below the surface, six inches apart, cover with two inches of fine light soil, and press down evenly and protect from heavy rains. The Mushrooms will make their appearance in from four to six weeks, according to the season. After the bed has been spawned do not water unless quite dry; use lukewarm water only. Price, 15 cents per lb.; 8 lbs. for \$1.00, in bricks. French, in boxes of 2 lbs., \$1.00. Bricks by mail, 30 cents per lb.; French by mail, 2 lbs., \$1.30.

NASTURTIUM, or INDIAN CRESS.

[*Tropaeolum majus*, LIN. *Capucine grande*, FR. *Kresse Indianische*, GER. *Maranuella*, SP.]

CULTURE.—Sow early in the Spring in drills one inch deep, the Tall variety by the side of a fence, trellis-work, or some other support, to climb upon, and the Dwarf to form borders for the alleys. They will thrive in good ground, in almost any situation, but are most productive in a light soil. The seeds, while young and succulent, are pickled and used as capers. One ounce will sow 25 feet of rows.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Tall.—Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Dwarf.—Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

ONIONS.

[*Allium cepa*, LIN. *Ognon*, FR. *Zwiebel*, GER. *Cebolla*, SP.]

CULTURE.—A rather strong, deep and rich loamy soil is most suitable for this crop. The ground should be heavily dressed with rich, well-rotted manure, trenched deeply, and ridged up early in Autumn, and if the soil is of a light, sandy nature, cow manure will be most suitable. The main crop should be sown as early as the ground may be in working condition, and, whether this occurs in March or April, a favorable opportunity for putting in the seed should not be suffered to pass. Sow the seeds thinly and regularly, and cover with the soil displaced in making the drills, or where this is too lumpy, with other fine soil. They succeed equally well any number of years on the same ground, if kept highly enriched with fine yard manure, spread on every Spring, and turned in with a light furrow. A top-dressing of wood ashes, applied after the second weeding, is very beneficial to this crop, as will soon be observed by the dark and healthy change of color given to the plants.

Onion sets and tops are placed on the surface in shallow twelve-inch drills, about four inches apart, slightly covered. For raising Onion "Sets" or "Button" Onions, the seed should be sown as early as the ground can be worked in the Spring, very thickly, in beds or drills; and about the middle of July, or whenever the tops die down, the little bulbs, or "Sets," are gathered and kept spread thinly in a dry, airy loft.

Potato Onions should be planted in April. Select the large bulbs, place them ten inches apart, with the crown of the bulbs just below the surface of the ground.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Extra Early Red.—Rather smaller, and more flat-shaped than Large Red; close-grained, heavy. Fit to gather last of July; keeps well. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.75.

Early Red.—About ten days earlier than the large red; somewhat smaller; very productive, of mild flavor, and a good keeper. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

Wethersfield Large Red.—Large size, deep red, thick, approaching to round shape, fine-grained, pleasant-flavored, and productive. It ripens in September, and keeps well. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

Danvers Yellow.—A thick, heavy, straw-colored onion, mild-flavored, and yields most abundantly; ripens early and keeps equal to the best. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

Yellow Dutch.—The common yellow variety; is rather flat shaped, and excellent flavored. Is good to keep. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

White Portugal.—A mild, pleasant onion, which grows to fair size and handsome shape. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

Red Globe.—Similar to the Large Red in color and flavor, but quite distinct in form, being nearly globular, and very productive. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$5.50.

White Globe.—Form nearly ovoid, very regular and symmetrical, skin white, mild and pleasant flavor; keeps well; is an excellent variety. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$5.75.

When the following are ordered by mail, 20 cents per quart must be added for postage.

Crop very light this year.

(Prices Variable.)

Top, or Button Onions.—Per qt., 35c.; peck, \$2.25.

Potato Onions.—Per quart, 35c.; peck, \$2.25.

Onion Sets, Yellow or Red.—Qt. 40c.; peck, \$2.50.

Onion Sets, White.—Per quart, 45c.; peck, \$2.50.

NEW ITALIAN ONIONS.

Marzagole.—The latest novelty in this class. They grow to a large size, silvery white skin, and are said to be the earliest of all. If sown in Autumn in warm climates, they will be ready for use in March. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Large Italian Red Tripoli.—Bulbs of this variety were exhibited in England weighing two and one-half pounds; flavor is exceedingly mild and pleasant. Pkt., 10 cts.; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

New Giant Rocca of Naples.—Bulbs exhibited as above, weighing three and one-half pounds. This variety has a light-brown skin, of delicate flavor, and of globular form. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Giant Rocca Blood Red.—Similar to the above, except in color of skin, which is dark red; decidedly one of the finest sorts, and keeps well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Giant Rocca Yellow.—Similar to the two preceding varieties; clear yellow skin; of large size, mild flavor, and excellent keeping qualities. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Nocera.—A very early, flat-shaped, silvery-skinned variety, similar to the New Queen; of excellent flavor; splendid for pickling, and keeps well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Giant White Italian Tripoli.—Specimens were exhibited at the Royal Agricultural Show at Oxford, four roots weighing nine pounds. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

Early White Naples.—A distinct variety of quick growth, gentle and mild flavor, of large size, weighing about a pound each, earlier than the preceding, and beautiful silver skin. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

New Queen.—A very nice silver-skinned Tripoli Onion, as remarkable for its keeping qualities as for the rapidity of its growth. Very mild flavored, and excellent for pickling. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.



GROUP OF ONIONS, SHOWING THEIR PROPORTIONATE SIZE.

- 1.—White Portugal.
- 2.—Early Red Wethersfield.
- 3.—Early Cracker.
- 4.—Yellow Danvers.
- 5.—Giant White Tripoli.
- 6.—Yellow Dutch, or Strasburg.

- 7.—Early White Naples.
- 8.—Yellow Globe.
- 9.—White Globe.
- 10.—New Giant Rocca.
- 11.—Large Red Wethersfield.
- 12.—Red Globe.

OKRA, or GOMBO.

[*Hibiscus esculentus*, LIN. *Gombo*, FR. *Essbarre*, *Hibiscus*, GER. *Quimbombo*, SP.]

This is an annual from the West Indies, cultivated for its green seed-pods, which are used in soups or stewed and served like Asparagus.

CULTURE.—Plant late in the Spring, after the ground has become warm, in hills about two and a half feet apart, and thin to three plants in a hill. Hoe often, and earth up a little to support the stems. The pods should be gathered while quite young and tender. Okra is easily preserved for Winter use by slicing the pods into narrow rings, and drying them upon strings hung up and exposed to the air. The ripe seeds are often used as a substitute for coffee. One ounce will sow 100 feet of rows.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New Improved Dwarf.—Long slender pods, very productive, and only 14 inches high. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Dwarf Green.—Small, green, smooth pods. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Long Green.—Long ribbed pods. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

ORACHE, or MOUNTAIN SPINACH.

[*Atriplex hortensis*, LIN. *Aroche*, FR. *Garten melde*, GER. *Espinaca*, SP.]

CULTURE.—This plant flourishes best in a rich, moist soil, in open ground. The seed may be sown about the end of September, and again in the Spring for succession, in drills, six inches apart. When the seedlings are about an inch high thin them to six inches apart; and those removed may be planted out at the same distance in a similar situation, and watered occasionally, if needed, until established. The leaves must be gathered for use while young, otherwise they will be worthless and stringy. One ounce will sow one hundred feet of row.

The leaves of the Orache are cooked and eaten in the same manner as Spinach, to which it is preferred by many persons.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

White.—Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

PARSLEY.

[*Apium petroselinum*, LIN. *Persil*, FR. *Petersilie*, GER. *Perejil*, SP.]

This well-known and agreeable savory herb is used as a garnish and for seasoning soups, meats, etc.

CULTURE.—Parsley loves a rich, and tolerably deep soil. Soot is a manure very congenial, and may be added to the compost. Soak the seeds a few hours in tepid water, and sow early in the Spring in one foot drills; thin out the plants to three or four inches apart; a single row forms a very good edging for beds or walks. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather. One ounce of seed will sow about two hundred feet of row. To have Parsley green during Winter, remove some plants into a light cellar, and treat them as in open culture in Autumn.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New Fern-leaved.—Most exquisite in form and coloring, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden; also for table decoration. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Plain Parsley.—Leaves dark green, plain, longer than the Curled, and better flavored for seasoning. A covering of straw or evergreen boughs will ordinarily protect it through the Winter. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Extra Moss Curled.—Leaves beautifully curled, extra fine for garnishing. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb. 30; lb., \$1.00.

Curled, or Double.—Dwarf and tender; leaves yellowish green and very beautifully crimped and curled; used principally as a garnish for the table. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Hamburg, or Rooted.—The roots are used for flavoring soups, etc. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

PARSNIP.

[*Pastinaca sativa*, LIN. *Panais*, FR. *Pastinake*, GER. *Chirivia*, SP.]

The Parsnip is a hardy biennial indigenous to Great Britain. In its native state the root is small and fibrous, possessing but little of the fineness of texture and delicacy of flavor of the cultivated varieties.

CULTURE.—Parsnips succeed best in a deep, free, rich soil; that having been heavily manured for previous crop should be selected, and if manure must be used for this crop let it be well decomposed, or use guano. Sow in lines fifteen to eighteen inches apart, as early in Spring as the ground can be found in fair working condition. When the plants are about two or three inches high, thin them out, leaving six or eight inches between them. The roots are hardy, and improve by leaving in the ground through the Winter, taking only enough in the cellar to last during cold weather. They are very valuable for feeding cattle as well as for the table. One ounce will sow two hundred feet of row; five pounds to the acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Short Round French.—The earliest variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

The Student.—A variety, of delicious flavor, ennobled from the wild parsnip; a great acquisition. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Long Smooth, or Hollow-Crowned.—Roots very long, white, smooth, free from side roots, tender, sugary, and most excellent flavored; the best variety for a general crop. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

PEAS.

[*Pisum sativum*, LIN. *Pois*, FR. *Erbse*, GER. *Chicaros*, SP.]

CULTURE.—The planting for an early crop of garden Peas should be made in the Spring, as soon as the ground can be worked, in a warm, dry situation, and covered about three inches. The ground must be manured the year previous, or the Peas will be apt to grow too much to straw. Use thoroughly decomposed manure, if any, just before planting. The height to which all Peas grow depends in a great measure upon the richness of the soil and the wetness of the season. They are usually planted in double rows from three to four feet apart, and, those requiring it, bushed when about six inches high. The large and later sorts do better at a greater distance apart, leaving a broad space for planting low-growing vegetables between. They should be kept clean, and earthed up twice in their growth. As soon as the Peas are gathered the straw must be pulled and removed. In dry weather the Peas should be soaked five or six hours before planting, and if the ground is very dry they should be watered in the drills. From one to two bushels are generally required to an acre; one quart of the smaller sorts will sow about 120 feet, and of the larger sorts about 200 feet of drill.

15c. per pint, 25c. per quart, extra for postage on Peas if sent by mail.



Bliss's American Wonder.

EXTRA EARLY.

Bliss's American Wonder.—This variety is justly entitled to its position at the head of the list, and stands unrivaled in point of productiveness, flavor, and quality; a cross between the Champion and Little Gem, it combines, in a remarkable degree, the superior qualities of its parents, and is, without exception, the earliest wrinkled Pea in cultivation; Peas planted in June matured in 33 days. It is of dwarf and robust habit, growing from 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods of the finest flavor. Per pkt. of $\frac{1}{2}$ pt., 20 cents; pint, 55 cents; quart, \$1.00; by mail, post-paid.

Philadelphia Extra Early.—Favorite market variety in the Southern States; very early. Per pkt., 10 cents; qt., 40; peck, \$2.00; bush., \$7.00.

Carter's First Crop.—An English variety; very early, productive, good flavor; grows 2 $\frac{1}{2}$ feet high, the haulm being literally covered with pods. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

First and Best.—This Pea possesses all the qualities most essential for a first-class market variety, being very early, of excellent flavor, and ripening with great uniformity. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$6.00.

William I.—Recently introduced; very early; one of the best green marrows. Per pkt., 10 cents; qt., 40; peck, \$3.00; bush., \$10.00.

Early Dan O'Rourke, Improved.—One of the earliest, and a very popular market variety; grows about three feet high; pods well filled; Peas of good size and quality. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$6.00.

Tom Thumb.—Very dwarf, not exceeding 9 inches in height, stout and branching; very early, of excellent quality, yields abundantly; it requires no sticks. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Alpha.—One of the earliest wrinkled Peas; blue, of exquisite flavor, remarkable for its earliness and prolific bearing; it bears pods, well filled and of good size, down to the bottom of the haulm. Per pkt., 10 cents; qt., 50; peck, \$2.50; bush., \$9.00.

Extra Early Premium Gem.—Grows to the height of 18 inches; pods long and of a dark green color; very prolific, and one of the earliest. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Kentish Invicta.—A round blue variety, about 2 feet in height, very early, and of superior flavor. Per pkt., 15 cents; qt., 50; peck, \$2.50; bush., \$8.00.

Early Kent.—An early and very popular market variety, productive and well flavored. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$6.00.

EARLY PEAS.

McLean's Little Gem.—A dwarf, prolific, green, wrinkled Marrow; habit similar to the Tom Thumb; a great acquisition; very early; height 1 foot, require no sticks. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

McLean's Advancer.—A dwarf, green, wrinkled Marrow, of fine flavor, long pods, well filled up, very prolific; nearly as early as Dan O'Rourke; 2 $\frac{1}{2}$ feet high. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

McLean's Blue Peter.—In general habit it is well described as a "Blue Tom Thumb," but possessing a more robust habit; it is earlier than Dan O'Rourke, very prolific, and of fine flavor. Per pkt., 10 cents; qt., 50; peck, \$2.75; bush., \$10.00.

Laxton's Prolific Early Long Pod.—Very productive, frequently averaging 11 to 12 Peas in a pod; for a second early Pea there is none equal to it; it is very hardy. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Laxton's Supreme.—A variety of the green Marrows, with long, well-filled pods, literally covering the foliage; it is nearly as early as Dan O'Rourke, of a most delicious flavor. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

GENERAL CROP.

Champion of England.—Universally admitted one of the best Peas grown; of delicious flavor and a profuse bearer; 3 to 4 feet. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

Challenger.—This is one of the handsomest, most prolific, and best flavored in cultivation. It is a dwarf, dark-green marrow, growing 2 $\frac{1}{2}$ feet in height, and is literally covered with pods. Price per pkt., 25 cents; per pint, 75; by mail, post-paid.

PEAS.—*Cont'd.*

Dwarf Blue Imperial.—A good bearer and fine flavored; a good Summer Pea; 3 feet. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$6.00.

Telegraph.—This is an extraordinary acquisition, the Peas often being so close together as to appear to be forming a double row in the pod. It is a fine second early variety, very robust in habit, bearing immense pods; the Peas, when cooked, of a fine deep green color; a great bearer, and of fine flavor; height, 5 feet. Per pkt., 15 cents; qt., 60.

Telephone.—Selected from the Telegraph, from which it differs in the seeds being wrinkled, whilst the quality is very superior. It is an extraordinary cropper, bearing immense semi-double pods full of large peas of exquisite flavor. Per pkt., 15 cents; pint, 40; qt., 75.

Marrowfat Black-Eyed.—An excellent variety either for garden or field culture; grows about 4 feet high, with large and well-filled pods; a popular market variety. Per pkt., 10 cents; qt., 20; peck, \$1.00; bush., \$3.00.

Yorkshire Hero.—One of the most desirable varieties in cultivation; grows 2½ feet high; is very prolific and of delicious flavor. Per pkt., 10 cents; qt., 40; peck, \$2.50; bush., \$9.00.

Marrowfat Large White.—A favorite market sort; it grows about 6 feet high, with very large broad pods, well filled, of excellent quality, but late. Per pkt., 10 cents; qt., 25; peck, \$1.00; bush., \$3.50.

Dwarf White Marrowfat.—Similar to the foregoing, but of much dwarfer habit, and on that account preferable for small gardens. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Dwarf Sugar.—Edible pods; 2 feet; can be used in a green state, like string Beans. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Tall Sugar.—Edible pods; 5 feet. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

British Queen.—Strong and vigorous, often attaining a height of 6 feet; superior quality; continues long in bearing; does not mildew in Summer. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.



Long Red.



Cherry Red.



Sweet Mountain, or Mammoth.

PEPPERS.

[*Capicum*, LIN. *Piment*, FR. *Spanischer Pfeffer*, GER. *Pimiento*, SP.]

CULTURE.—Sow early in a hotbed, in the Northern and Middle States, or in the open ground, in a seed-bed, about the middle of Spring, in a light warm soil. Transplant when three inches high, one foot apart, in eighteen-inch drills, and earth up a little at one or two hoeings. Guano, hen-dung, or any other bird manure applied upon the surface and hoed in when the plants are about six inches high, will be found to increase the product.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Bell, or Bull Nose.—Early, sweet and pleasant to the taste, less acrid or pungent than most other sorts. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$3.00.

Cayenne (true).—Pods small, cone-shaped, red, intensely acrid, and furnish the Cayenne Pepper of commerce. Used for pickles, also for making pepper-sauce. Per pkt., 10 cents; oz., 35.

Cherry Red.—A small, smooth, round variety, of dwarf growth. Fruit at maturity of a deep, rich, glossy scarlet color, remarkable for its intense piquancy. Per pkt., 5 cents; oz., 25; ¼ lb., 75 lb., \$3.00.

Squash, or Tomato-shaped.—Skin smooth and glossy; when ripe, of a brilliant coral red; flesh thick, mild and pleasant to the taste; an excellent sort for pickling. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Sweet Mountain, or Mammoth.—Similar in shape to the Large Bell, but of much larger size; rind thick, fleshy and tender; much used for pickling, stuffed like mangoes. Per pkt., 10 cents; oz., 40; ¼ lb., \$1.25; lb., \$4.00.

Long Yellow.—Similar to the Long Red in shape and general appearance, excepting in color. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.50.

Long Red.—Fruit brilliant coral red, conical, from three to four inches in length, from an inch to one and a half inches in diameter. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$3.00.

Sweet Spanish.—The earliest of all the varieties. The flesh is sweet, mild and pleasant. Per pkt., 10 cents; oz., 40; ¼ lb., \$1.25; lb., \$4.00.

Monstrous, or Grossum.—Fruit very large and of irregular shape; good for mangoes. Per pkt., 10 cents; oz., 40; ¼ lb., \$1.25; lb., \$4.00.

Spanish Monstrous.—Of cylindrical form, 6 inches long by 2½ inches in diameter. When ripe, the fruit is of beautiful coral red; sweet and thick flesh. Per pkt., 10 cents; oz., 50.

Chili.—Pods pendent, sharply conical, about two inches in length, half an inch in diameter, very piquant. Per pkt., 10 cents; oz., 50; ¼ lb., \$1.50; lb., \$5.00.

New Oxheart.—Medium size, heart-shaped; productive, piquant; excellent for pickles. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.50.

New Cranberry.—Small, piquant, and of fine flavor. Per pkt., 10 cents; oz., 75; ¼ lb., \$2.00; lb., \$6.00.

East India.—A small, yellow, oval sort; very pungent; fine for pickles. Per pkt., 10 cents; oz., 75.

POTATOES.

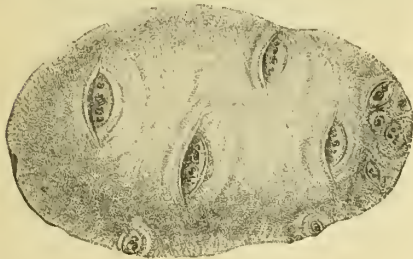
(*Solanum Tuberosum*, LIN. *Pomme de Terre*, FR. *Kartoffel*, GER. *Potata*, SP.)

For cultural directions and a more complete list and description of each variety, see our Illustrated Potato Catalogue, which contains much valuable information. 48 pages. Price, 10 cents.

(On account of the severe drought of the past season, the prices of Potatoes are considerably advanced and uncertain. We are therefore not bound by these prices.)

NEW VARIETIES NOT BEFORE OFFERED.

The following varieties have been carefully tested in various parts of this country as well as in Europe, and have met with the unqualified approval of all who have given them a trial. For exhibition purposes they are unrivaled, and have already secured many prizes.



BROWNELL'S BEST.

This new seedling, originated by E. S. Brownell in 1875, belongs to that well marked and excellent strain of Potatoes represented by the Snowflake, Pride of America, and a few others. In appearance it differs not materially from these well-known varieties. Its color is white, shading to russet; shape oblong, somewhat flattened; eyes few and entirely smooth; flesh white, fine-grained, floury, and of the purest flavor. The tubers grow compactly in the hill, and are remarkably uniform in good medium to large size. It ripens second early, and is equally valuable as an early market as for a Winter Potato. Its yield is enormous, 16 bushels having been raised on 5 rods of ground. Taking all in all, we do not hesitate to assert that the highest perfectness, in shape, in size, in yield, and in quality, are combined in this new variety.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.

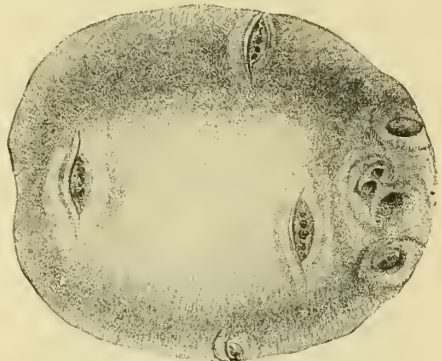


EARLY HOUSEHOLD.

A seedling raised from Pringle's Hybridized Potato-seed, selected from a large number of seedlings on account of its extreme earliness combined with excellent quality. The tubers are large, short cylindrical, flattened or indented on one side; skin and flesh white; quality first-class in every respect. It clusters compactly in the hill, and has never

shown any signs of disease in foliage or tuber; ripens a few days earlier than Early Rose, and excels it in hardness as well as productiveness. It is of distinct and handsome appearance, and cannot fail to become a leading early market variety.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.



VERMONT CHAMPION.

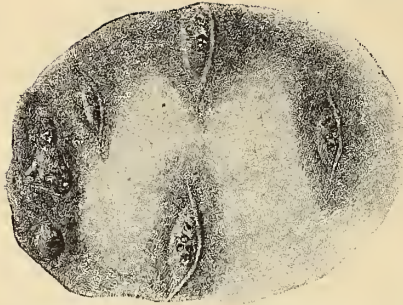
The persevering efforts of Mr. Rand, the originator of this new variety, have already given us some of the best and most valuable Potatoes in cultivation. His aim has always been to select for parent stock varieties that have by experience proved to possess some special desirable qualities, which in a higher degree than others would be transmitted to their progeny. Compton's Surprise and White Peach Blow were found of superior value for this purpose, and have been largely experimented with. A great number of seedlings were produced by crossing these two varieties, and after six years' trial, this one—the Vermont Champion—was selected, not only as possessing more good qualities than any other, but as one of the most valuable varieties ever cultivated. It is of large size, roundish oval form, has a silvery white skin and white flesh; its flavor is pure and delicate. The vines grow very strong and upright, bear balls freely, and have never shown blight. It is a good cropper, producing but few small tubers, and keeps well till the following Summer. A first class certificate was awarded to this variety by the Royal Horticultural Society of London, England.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.

When the three varieties are ordered, we make the following deductions:

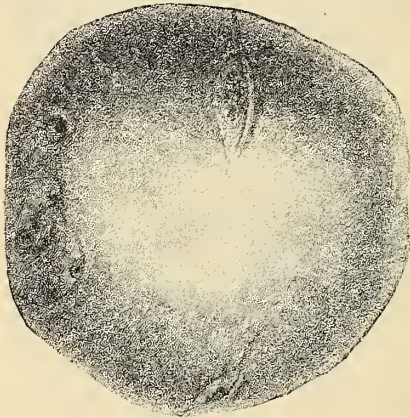
One pound of each, \$2.50; three pounds of each, \$6.00, by mail, post-paid.

VARIETIES OF 1881.

**EXTRA EARLY PEACH BLOW.**

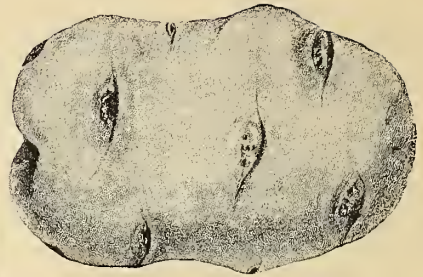
Another season's trial has but confirmed the good opinion we expressed last Spring concerning this variety. As already mentioned, it is a hybrid between Early Vermont and White Peach Blow, and possesses qualities that rival the best points of the parent varieties. The tubers grow compact in the hill; are flattish-round and maintain a uniformity of size, on which account it is a desirable market variety. The skin is russety-white, with eyes blotched and shaded with pink, although in some of the tubers this is hardly recognizable, or altogether wanting; flesh pure white, firm, fine-grained, and of excellent flavor.

Price 60 cents per pound; three pounds to one address, \$1.50, by mail, post-paid. By express or freight, at expense of purchaser, one peck, \$1.75; bushel, \$5.00; hhl., \$10.00.

**ADIRONDACK.**

This variety is the result of a hybridization of a favorite sort with the **White Peach Blow**, and takes precedence over that well-known standard sort on account of several distinct and commendable features. The roots take a strong hold on the soil, enabling it to resist the evil effects of a prolonged drought. It may be classed as a medium or second early variety. The tubers are red-skinned, almost a perfect ball, and grow in clusters. It possesses excellent table qualities, being pure white in flesh, floury, and of faultless flavor. It is an abundant cropper, while its keeping qualities have so far been perfectly satisfactory.

Price 50 cents per pound; three pounds to one address, \$1.25, by mail, post-paid. By express or freight, at the expense of the purchaser, one peck, \$1.50; one bushel, \$4.00; bbl., \$9.00.

**QUEEN OF THE VALLEY.**

(One-fourth natural size.)

A Certificate of Merit was awarded this and the preceding variety by the Royal Horticultural Society of London last summer. One of the most prolific varieties in cultivation. Season medium; tubers very large; shape long, flattened, somewhat square cut at the ends; color, deep pink at the seed end, gradually changing to almost white at the stem end; cooks mealy, without falling into pieces. The vines are large and unusually vigorous, protecting the ground from the direct rays of the sun, and resisting disease more than most other kinds which were grown with it. Its only fault, as a table potato, might be found in its enormous size, but its immense productiveness will, no doubt, make it of great value to all who appreciate the nutritive properties of potatoes as food for live stock of all kinds.

Price 50 cents per pound; three pounds, \$1.25, by mail, post-paid. By express or freight, at expense of purchaser, one peck, \$1.25; one bushel, \$3.50; bbl., \$8.00.

**WHITE STAR.**

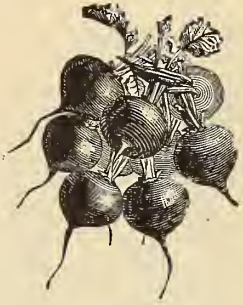
It is undoubtedly the best of last year's introductions, and even under the very unfavorable circumstances of last season's drought, it more than maintained the introductory reputation given it. It is a result of the **Excelsior**, fertilized with pollen from the **White Peach Blow**. The foliage is dense, dark green; vines strong, stocky, and vigorous, on which account it is well calculated to resist the ravages of the Colorado beetle. The tubers are oblong, large, uniform, and handsome; while in yield it has proved remarkably prolific, and so far has effectually resisted blight. It is medium early, and not the least important feature of this new potato is its excellent keeping qualities. In this respect it excels any other sort we know of. Whether baked or boiled, its cooking qualities are faultless; its purity of color, fine floury texture, and delicious flavor being unexcelled by any other variety. It is with great pleasure we introduce **White Star Potato**, feeling confident that its many merits will be duly appreciated, and secure for it high rank amongst its many competitors.

Price 50 cents per pound; three pounds to one address, \$1.25, by mail, post-paid. By express or freight, at the expense of the purchaser, one peck, \$1.50; one bushel, \$4.00; bbl., \$9.00.

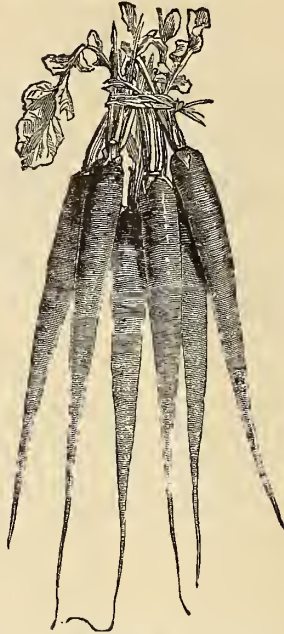
GENERAL COLLECTION OF WELL-KNOWN STANDARD VARIETIES OF POTATOES.

Except when otherwise noted, the price of the following varieties, when sent by mail, is 50 cents per pound; three pounds for \$1.25, post-paid. When ordered in lots of three bbls., 25 cents per bbl., or five bbls., 50 cents per bbl., may be deducted.

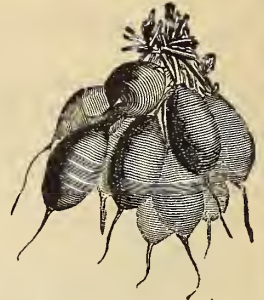
- Alpha.**—The earliest variety in cultivation. Matures its crop fifteen days in advance of the Early Rose; flesh very white, fine grain, dry, and of excellent flavor; a superior variety for forcing; has matured its crop in fifty-five days. Per peck, \$1.25; bush, \$3.00; bbl., \$7.00.
- American Giant.**—One of the largest varieties in cultivation, as well as one of the most productive; it is a second early variety, and matures its crop about two weeks later than Early Rose; of splendid flavor and an excellent keeper; on account of its large size it will be particularly desirable to grow as an exhibition variety. Per peck, \$1.25; bush, \$3.50; bbl., \$8.00.
- American Magnum Bonum.**—This variety has been subjected to the most critical tests, and has been found to possess several of the most essential qualities to render it a standard sort. It is an early variety, maturing a few days after the Early Rose, while in productiveness it surpasses that popular variety. Per peck, \$1.25; bush, \$3.00; bbl., \$7.00.
- Beauty of Hebron.**—A fine cropper, of excellent quality; ripens with the Early Rose, and equally valuable as a market variety. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- Bliss's Improved Peach Blow.**—A cross between the "Jersey Peach Blow" and "Excelsior," combining all the best qualities of the former with the additional advantages of earlier ripening and compact growth. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- Bliss's Triumph.**—This is one of the most attractive in appearance of any that we have yet offered, and will also compare favorably with the best of them in quality. It is much more productive than the Early Rose, and matures its crop at least seven days in advance of that favorite sort. It strongly resembles the early varieties from Bermuda; flesh fine grain and of excellent flavor. Per peck, \$1.25; bush, \$3.00; bbl., \$7.00.
- Burbank's Seedling.**—A white-skinned medium early variety; flesh of fine grain and of excellent flavor. It produces a large crop of handsome tubers, nearly all of which are marketable. Per peck, \$1.00; bush, \$2.50; bbl., \$5.00.
- Climax.**—Early and uniformly large; flesh white and solid, prolific, hardy, healthy, and of excellent quality. Per peck, \$1.00; bush, \$2.50; bbl., \$5.00.
- Dunmore.**—Skin and flesh white, tubers large and handsome; a fine table variety; it resembles the Peerless, but surpasses that well-known variety in both yield and quality. Per peck, \$1.00; one bush, \$3.00; one bbl., \$6.00.
- Early Ohio.**—A seedling of the Early Rose, resembling it in color. The quality is excellent; earlier than Rose; a desirable market variety. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- Early Rose.**—This was the first of Mr. Breese's seedlings, offered by us in January, 1868, and has now become the standard variety for earliness, quality, and productiveness. Per peck, 75 cents; bush, \$2.50; bbl., \$5.00.
- Early Snowflake.**—This favorite variety possesses more good qualities than any variety heretofore introduced. It ripens about a week later than the Early Rose. Its mealiness, pure, delicate flavor, and the evenness with which it cooks through, have never been exceeded by any Potato. Per peck, \$1.00; bush, \$2.50; bbl., \$5.00.
- Extra Early Vermont.**—Similar in color, form, and general appearance to the Early Rose. It is, however, earlier, more hardy, more productive, and of better quality. Per peck, 75 cents; bush, \$2.50; bbl., \$5.00.
- Late Beauty of Hebron.**—This was first discovered in a field of the Early Beauty of Hebron, and stands in the same relation to that variety as the Late Rose and Late Snowflake do to their respective prototypes. It is remarkably productive; tubers oblong and of extra size; skin and flesh white; table properties of the highest order, and keeps well. Per peck, \$1.00; per bush, \$3.00; per bbl., \$6.00.
- Late Rose.**—This variety ripens two or three weeks later than the Early Rose; hardy, productive, and keeps well. Per peck, 75 cents; bush, \$2.50; bbl., \$5.00.
- Late Snowflake.**—A sport of the Early Snowflake, and fully equal to that favorite variety in quality and appearance, ripening three weeks later; very productive. Per peck, \$1.00; bush, \$2.50; bbl., \$5.00.
- Matchless.**—This excellent variety was raised from a seed-ball of the Early Rose, fertilized with the White Peach Blow. The tubers are generally round, but occasionally oblong and flattened; very handsome and symmetrical in form; skin slightly russeted, pale red, except the eyes and seed end, where it is much brighter; eyes slightly depressed. Flesh fine grain, pure white, of excellent quality. It is a great cropper, an excellent keeper, and has never yet shown any signs of disease. It ripens with the Peerless, and will be found equally valuable for the general crop. Its attractive appearance, great productiveness, and fine quality make it one of the most valuable varieties for the market. Per peck, \$1.00; bush, \$3.00; bbl., \$5.00.
- Mammoth Pearl.** This variety, introduced in 1878, has proved a great favorite wherever tried. Of good table qualities, handsome in appearance, free from rot, and never hollow; skin white, and flesh whiter of any variety. For the table it cooks like a ball of flour. It ripens in August; very productive. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- Pride of America.**—This superb variety was raised by Mr. E. S. Brownell, to whom we are already indebted for a number of well-known and valuable varieties. It closely resembles the well-known Snowflake, but ripens a few days later, and is adapted to a greater variety of soils, more productive, grows to a larger size, and produces but a very few small tubers, and, so far, has shown no signs of disease. Flesh exceedingly fine-grained, and of snowy whiteness. It is an excellent keeper, and retains all its good qualities throughout the entire season. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- Peerless (Breese's No. 6).**—One of the very best varieties for general culture. Per peck, 75 cents; bush, \$2.50; bbl., \$5.00.
- Silver Skin.** This variety was raised by one of our most successful cultivators from a cross of the Early Rose and the White Peach Blow. It resembles the Peerless in many respects, but is earlier, of better quality, and more productive than that favorite variety. Tubers medium to large, with very few small ones. Skin smooth, silvery white—in some soils slightly russeted. Flesh of snowy whiteness, fine grain, and well-flavored. It is entirely free from disease, and a most excellent keeper. Per peck, \$1.00; bush, \$3.00; bbl., \$6.00.
- White Elephant.**—This superb late variety is justly popular on account of its great productiveness, excellent flavor, power of resisting disease, and splendid keeping qualities; it cooks well and is of good flavor. Per peck, \$1.25; bush, \$3.50; bbl., \$8.00.



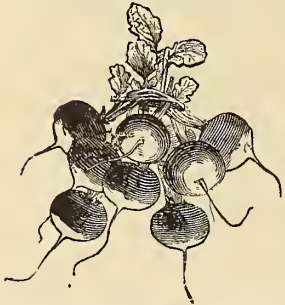
Early Scarlet Turnip.



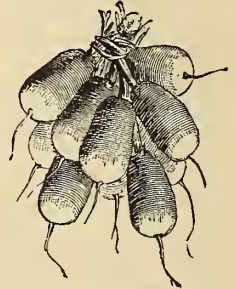
Long Scarlet Short Top.



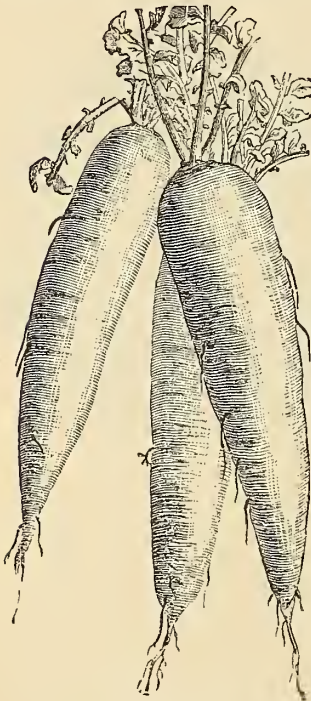
Scarlet Olive-Shaped.



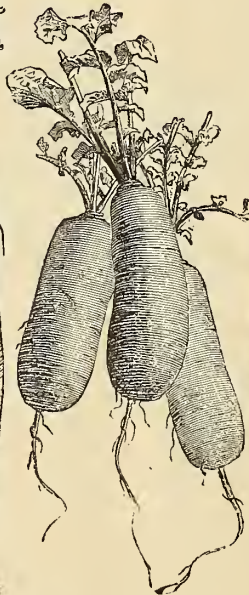
Scarlet Turnip White Tipped.



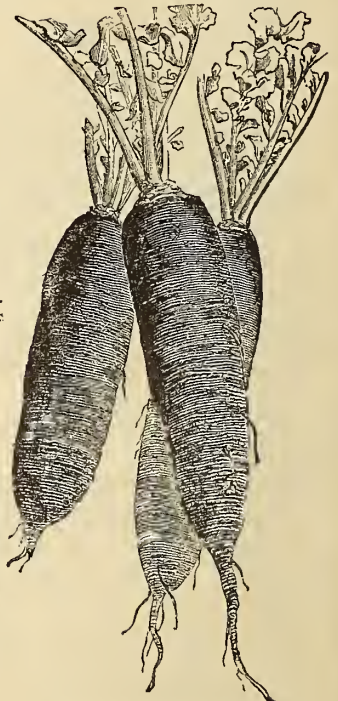
French Breakfast.



California White Winter.



Scarlet China Winter.



Black Long Spanish Winter.

RADISHES.

PRINGLE'S HYBRIDIZED POTATO SEED.

The extraordinary success which has attended Mr. Pringle in his attempts to improve this valuable esculent has encouraged him to still greater efforts in his favorite pursuit of hybridization, and we have now the pleasure of offering a very choice strain of seed saved by him, which is the product of numerous hybridizations between the above named and many of the best new and old varieties in cultivation, both English and American. Full directions for sowing accompany each packet. Price, 25 cents per packet, 5 packets \$1.00.

PUMPKIN.

[*Cucurbita pepo*, LIN. *Potiron*, FR. *Kurbis*, GER. *Calabaza*, SP.]

CULTURE.—These can be grown on any good soil that is warm. They are excellent for pies, and for feeding to cows. They are usually planted in corn-fields where the vines can grow to a great length, but can be profitably raised in fields by themselves. Plant in hills eight feet apart. One pound of the common field sorts will plant from two hundred to three hundred hills.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Cheese.—Hardy, very productive, and is much superior in all respects to most of the field grown sorts. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 60.

Cashaw.—Similar in many respects to the common Crookneck Winter Squash. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., 85.

Connocticut Field.—A large yellow variety, the best for field culture. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 15; lb., 35.

Large Tours, or Mammoth.—French; very productive, large size, often weighing one hundred to one hundred and fifty pounds. Per pkt., 10 cents; oz., 30; $\frac{1}{2}$ lb., \$1.00; lb., \$3.00.

RADISH.

[*Rhaphanus sativus*, LIN. *Radis*, *Rave*, *Petite Rave*, FR. *Rettig*, *Radies*, GER. *Rabano*, SP.]

CULTURE.—The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use they may be sown on gentle hotbeds in February, and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession, as long as they may be wanted. The Turnip-rooted and the Olive-shaped are the best for sowing in the Summer. The Winter varieties should be sown in August and lifted before severe frost, and stored in the cellar. One ounce will sow about one hundred square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Earliest Scarlet Erfurt.—The earliest variety, short-leaved; the finest sort for forcing. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Early Scarlet Turnip.—Small, round, red, turnip-shaped; small top; quick growth; mild and crisp. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Early Purple Turnip.—Color deep purple, very early, and of fine flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

White Turnip.—Like the scarlet in shape, but in color pure white. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

French Breakfast.—A quick-growing variety of Radish, and one of the best for early forcing. It is of oval form, color scarlet, tipped with white. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 65.

Early Short Top, Long Scarlet.—This is the standard sort grown for private gardens and for market; when pure and true it has a bright scarlet root, and very small top. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Olive-Shaped, Golden Yellow Summer.—Sort of oval form, very early; adapted both for forcing and the open ground. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Olive-shaped, Violet, White-tipped.—This new sort is equally as constant and as attractive for table decoration as the French Breakfast Radish. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 40; lb., \$1.50.

Olive-Shaped Scarlet.—A very early and handsome variety, nearly allied to the Scarlet Turnip; of a lively rose color and oblong shape. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 65.

Olive-Shaped White.—Same as preceding, except in color. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 85.

Yellow Turnip.—The very best to stand the heat and drought of Summer. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 85.

Long Salmon.—Longer and lighter colored than the above, with a larger top; a few days later. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Russian Frame.—A valuable acquisition. Sown under glass it comes into use rapidly, and in the open ground, four or five weeks from time of sowing. The root exceeds ten inches in length, and is of an average thickness throughout of about an inch. The flesh is white, delicate, and fine flavored. Per pkt., 10 cents; oz., 25; $\frac{1}{2}$ lb., 75; lb., \$2.50.

Long White Naples.—Root long and slender; skin white when exposed to the light, tinged with green; flesh white, crisp and mild. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., 85.

Rose Colored China Winter.—Form rather conical and very smooth; of a lively rose color; flesh firm and pungent. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., 85.

White China Winter.—Except in color, this variety is similar to the above. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 40; lb., \$1.25.

Black Spanish Winter, Long.—Of very large size and firm texture, with dark green leaves. It must be stored in sand in the cellar for Winter use. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Black Spanish Winter, Round.—Similar to the above, except in form. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

White Spanish Winter.—Similar to the foregoing, except in color. Per pkt., 5 cents; oz., 15; $\frac{1}{2}$ lb., 40; lb., \$1.25.

Russian, Very Large, White.—The largest of all Winter Radishes, sown in June; it easily produces roots weighing three pounds. Good quality. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 50.

California Mammoth White Winter.—Introduced into California by the Chinese; it grows to a large size, flesh white, firm, and of good flavor; a most valuable acquisition. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 35; lb., \$1.25.

Raphanus Caudatus, or Rat-Tail Radish.—Produces in a short time pods from two to three feet long, which may be used either boiled as a salad, or in pickles. Per pkt., 10 cents; oz., 50.



GROUP OF SQUASHES.

1.—Boston Marrow Squash.
2.—Canada Crookneck.

3.—Hubbard.
4.—Mammoth.

5.—French Turban.
6.—Improved Turban.

RHUBARB.

[*Rheum hybridum*, LIN. *Rhubarbe*, FR. *Rhabarber*, GER. *Ruibarbo bastardo*, SP.]

Sow in Spring, in a seed-bed, in drills one foot apart. Cultivate well during the season, and in the Autumn or following Spring the roots should be transplanted into deep, rich soil, from three to four feet apart. They are fit for use about the third Spring after planting. The most expeditious mode to procure a supply is to plant roots already grown, which will come into use immediately.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Victoria.—Large, fine for cooking. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Linnens.—Large, tender, and very fine. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Roots.—25 cents each; \$2.00 per dozen. By mail, 40 cents each; \$4.00 per dozen.

SQUASH.

[*Cucurbita melo-pepo*, LIN. *Courge*, FR. *Kurbiss*, GER. *Calabaza tontanera*, SP.]

Squashes are cultivated for their fruit, which is much esteemed as a vegetable, when cooked or made into pies. There are numerous varieties, mostly yellow, pale green, mottled or striped. They are also smooth, warty, soft, and hard, and are classified into "Summer," "Winter," "Bush," and "Running."

CULTURE.—Being a very tender vine, the Squash is so sensitive of cold, that it cannot be planted with safety in the Middle and Northern States before the middle of May. The hills should be highly manured, and prepared in a similar manner to those for Cucumbers, all sorts thinned to not more than three plants to a hill.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Yellow Bush Scolloped.—An early, flat, scolloped-shaped sort, of a deep orange yellow. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early White Bush Scolloped.—Similar in shape to the Yellow, light cream-colored. Both varieties are called "Patty-Pan" in the Southern and Middle States. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early Bush Summer Crookneck.—The richest and best sort for Summer; very early and productive. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

The three foregoing sorts should be planted four feet apart.

Boston Marrow.—Form ovate, pointed; rind extremely thin, bright orange or salmon colored; flesh deep orange, finely grained, and excellent flavored. It keeps well in Winter, and will boil as dry as a potato. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Turban, or Turk's Cap.—A most excellent late table variety. Flesh orange yellow, thick, fine grained, sugary, and well flavored; light, dry soil. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.20.

Yokohama.—From Japan. The surface is strongly ribbed, of a pale green color; when fully ripe is of a uniform dull orange color. The flesh is of a deep, orange color, finely flavored, sweet and dry, very fine grained, and without any fiber; a good keeper. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Canada Crookneck (True).—A small, early variety of the Winter Crookneck. One of the best for keeping, and when hung up in a dry room, of even temperature, will often keep good until the crop is gathered the following year. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Low's Premium Turban.—This is one of the richest flavored, finest grained, sweetest, most productive, and best keeping Squashes we know of. Being very early, it may be planted as a second crop after early Peas, Potatoes, or Cabbages. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 65; lb., \$2.00.

Hubbard.—The best table Squash yet known, good specimens being about equal in quality to the Sweet Potato. It has a hard shell, and will keep three months later than the Marrows. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 80.

Fall or Winter Crookneck.—The kind most generally cultivated in New England for Fall and Winter; neck long and solid; color pale yellow, sometimes striped. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 80.

Mammoth.—Very large, often attaining the weight of two hundred pounds; excellent for pies or stock; very productive. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Marblehead.—The flesh is rather lighter color than the Hubbard, while its combination of sweetness, dryness, and delicious flavor is something really remarkable. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 80.

Butman.—In size and productiveness it resembles the Hubbard; it has a thick shell and is thick-meated; dry, sweet, and delicious; in its prime from October to January. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Cocoanut.—A magnificent little squash for table use, and very prolific. The color is an admixture of cream and orange, the latter predominating in the depressions between the ribs, while the bottom is of a rich grass-green. The flesh is fine-grained, very solid and of excellent quality. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Custard Marrow.—An English variety of delicate flavor, highly recommended. Per pkt., 25 cents.

Vegetable Marrow.—A favorite English sort; skin greenish yellow; flesh white, soft, rich flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

Perfect Gem.—Excellent both as a Summer and Winter Squash, having the best properties of both classes. It is of a creamy white color, thin skinned, with fine grained, sweet, deliciously flavored flesh; a free grower, very productive, and of excellent keeping qualities. Per pkt., 15 cents; oz., 30; $\frac{1}{4}$ lb., 75; lb., \$2.50.

SALSIFY, or OYSTER PLANT.

[*Tragopogon porrifolius*, LIN. *Salsifis*, FR. *Bocksbart*, GER. *Ostra vegetal*, SP.]

CULTURE.—Sow the seed in light deep soil, early in Spring, in drills twelve inches apart and one inch deep, thinning out the young plants to six inches. The roots will be ready for use in October, when a supply should be taken up and stored like Carrots. Those remaining will suffer no injury by being left in the ground till Spring, but should be dug up before commencing their growth. One ounce of seed will sow fifty feet of drill.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 65; lb., \$2.25.

NEW TOMATO—MAYFLOWER.

In this new seedling variety, which we have the pleasure of introducing this season, all the qualities desirable in a Tomato are combined in a degree not heretofore attained. It is the earliest large Tomato cultivated, ripening but a few days later than "Little Gem," and averaging in size about one-third larger than "Acme." It is of a glossy, bright red color, so desirable in a market Tomato, and ripens so evenly and perfectly up to the stem, that it presents a most beautiful appearance. Its shape is perfect, globular, slightly flattened and perfectly smooth; flesh solid, unusually free from seeds, and of a pure, rich flavor. In productiveness it is not excelled by any other sort, bearing full crops until killed by frost. Its skin is firm and smooth, indicative of the best shipping qualities. A box of them which, after having been roughly handled during a long journey, was exhibited by us at the last Grand Exhibition of the Massachusetts Horticultural Society, held at Boston, in connection with the Exhibition of the American Pomological Society, and was awarded the first prize as the best seedling. Price, 25 cents per package; five packets, \$1.00.

SCOLYMUS (Spanish Oyster Plant).[*Scolymus Hispanicus*, LIN.]

CULTURE.—Any good garden loam is adapted to the growth of the Scolymus. It should be well and deeply stirred as for other deep-growing root crops. Sow the seeds from the middle of April to the first of May in drills one inch deep and one foot apart. Thin the young plants to five inches apart in the rows, and during Summer treat young crops as Parsnips or Carrots.

As a vegetable it is used in the same manner as Salsify.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; $\frac{1}{2}$ lb., \$1.00; lb., \$3.00.

SCORZONERA.[*Scorzonere*, FR. *Skorzonere*, GER. *Escorzonera*, SP.]

Similar in many respects to Salsify, and is called by some Black Salsify or Black Oyster Plant. Culture the same as recommended for Salsify. They may be boiled like the parsnip and served plain at the table, or they may be cooked like the Salsify. Before cooking, the outer coarse rind should be scraped off, and the roots soaked a few hours in cold water to extract their bitter flavor.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; $\frac{1}{2}$ lb., 75; lb., \$2.00.

SEA-KALE.[*Crambe maritima*, LIN. *Crambe maritime*, FR. *Selkohl meerkohl*, GER. *Breton de mar*, SP.]

CULTURE.—Cultivated for its blanched shoots, which are cooked as Asparagus. A supply may be had all Winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next Spring plant in hills three feet apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; $\frac{1}{2}$ lb., \$1.00; lb., \$3.00.

SNAILS.[*Medicago orbicularis*.]

CULTURE.—Sow the seeds early in Spring, in drills fifteen inches apart, thin out to about six inches. They will blossom in July and the seeds will ripen in Autumn. Though entirely inoffensive no part of the plant is used for food. The pods resemble some species of snails, and are placed on dishes of salad to excite curiosity or surprise among the guests at a table. Per pkt., 10 cents.

SORREL.[*Rumex acetosa*, LIN. *Oseille*, FR. *Sauerampfer*, GER. *Acedera*, SP.]

CULTURE.—The soil should be rich and moist, in shallow drills twelve inches apart; thin out to six inches. The leaves possess a pleasant acid taste, and are mixed with salads, to which they impart an agreeable refreshing flavor.

Large Leaved French.—Per pkt., 5 cents; oz., 15; $\frac{1}{2}$ lb., 40; lb., \$1.00.

SPINACH.[*Spinacea oleracea*, LIN. *Epinard*, FR. *Spinat*, GER. *Espinaca*, SP.]

CULTURE.—For the Summer crop sow early in March, and at intervals of three weeks or a fortnight, until the middle of July, in quantities according to the demand. The round seeded varieties are the best for Summer crops. The Winter crop should be sown from the middle of August to the beginning of September; the prickly seeded is the hardest, and should be partly used for this crop. All the crops should be sown in drills from one to two inches deep, and from twelve to eighteen inches apart, scattering the seed thinly, and covering them with the finest of the soil. Protect the Winter crops on approach of severe frost with a little straw or evergreen boughs.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Round, or Summer.—Has a smooth, round seed; thick, fleshy leaves, a little crimped; generally preferred for Spring sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 15; lb., 35.

Prickly, or Fall.—This is the hardest variety; prickly seeded, with triangular, oblong, or arrow-shaped leaves. Mostly employed for Fall sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 15; lb., 35.

Extra Large Round-Leaved Viroflay.—A splendid variety of the Lettuce-leaved Spinach, but with leaves much longer and broader, round, thick, and fleshy, dark green. Young plants transplanted into a rich soil will grow to an enormous size. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 50.

Savoy-Leaved.—One of the best market varieties; productive, hardy, tender, and well-flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 50.

Lettuce-leaved.—A new sort of very superior quality; leaves large, thick, and deep green; seed, round; best suited for Spring sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 50.

New Zealand.—This plant grows very large and luxuriant in warm, rich soil. It will endure severe drought, which is its greatest advantage, and produces a large quantity of leaves during Summer. The plants should stand two or three feet apart. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

TOMATO.

[*Solanum lycopersicum*, LIN. *Tomate*, FR. *Liebesapfel*, GER. *Tomates*, SP.]

CULTURE.—For early use sow in February or March, in boxes or pots, and place near a window or in a hotbed. When about two inches high prick them out singly in small pots, and nurse carefully in frames, and when the danger of frost is past plant them out in a sheltered situation, where they may have the full influence of the sun. To hasten the maturity of the first fruit which sets, pinch off the extremities of the tops and all the secondary shoots which afterwards appear above the flowers.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Mayflower (see illustration, page 100).—Mr. F. H. Hosford, of Vermont, has in this variety given us the earliest large Tomato we know of. It ripens almost with LITTLE GEM, and is a third larger than ACME. It is of splendid shape, perfectly smooth, of a bright red color, and ripens uniformly up to the stem. The flesh is solid, free from seeds, and of a pure, rich flavor; in productiveness it is unexcelled by any other sort. Per pkt., 25 cents; 5 pkts. for \$1.00.

Livingston's Perfection.—An early variety of considerable merit, of a blood-red color; perfectly smooth, ripens uniformly, and bears abundantly until frost; for canning it surpasses any sort hitherto offered. Per pkt., 10 cents; oz., 50; ¼ lb., \$1.25; lb., \$4.00.

Acme.—One of the earliest varieties in cultivation; produces an abundance of handsome medium-sized fruit, of a dark red color, slightly tinged with purple; has but few seeds, is free from core, and of delicious flavor. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Little Gem.—The earliest variety known; bright red color, uniform in size and shape, and handsome in appearance. It may be relied upon to yield several pickings, a week or ten days earlier than any other variety. Per pkt., 10 cents; oz., 40; ¼ lb., \$1.25.

Paragon.—A second early variety; fruit large; color a bright glossy crimson; smooth, solid, of excellent flavor; bears transportation well; very productive; an excellent market variety. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Vick's Criterion.—Fruit of medium size, nearly round; of fine flavor; medium early, productive; an excellent variety for forcing. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Conqueror.—First introduced by us in 1874, and until the introduction of the Little Gem the earliest in cultivation; the fruit ripens very nearly at the same time; of good size, uniform in shape and size; its color is a deep red; its flesh is solid, of rich, mild flavor; it ripens well up to stem, and is exempt from cracking. Per pkt., 10 cents; oz., 25; ¼ lb., 85; lb., \$3.00.

Green Gage Tomato.—A new English variety of medium size, resembling a bright yellow plum in shape and color, with a distinct, piquant and highly agreeable flavor. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Canada Victor.—An early variety, originating in Canada; fruit solid and of rich flavor. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Golden Trophy.—A sport from the well-known Trophy; the fruit is almost an exact counterpart of the Trophy in form and size, of a beautiful light yellow or straw color, occasionally faintly streaked with red; a desirable acquisition for preserving, as well as for the table; superior for the South. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Arlington.—Fruit large, perfect in form, bright red, solid; it is very productive, of fine flavor, and the best variety for canning. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Early Smooth Red.—Very early, smooth, round, of medium size, productive, of good quality. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

General Grant.—Round, slightly flattened, very symmetrical; color brilliant glossy crimson; flesh solid, skin smooth and shining, coloring well up to the stem; very productive and of fine flavor. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Trophy.—Fruit very large, generally smooth, solid; ripens early, and is of fine quality; our seed is all saved from selected specimens. Per pkt., 10 cents; oz., 50; ¼ lb., \$1.25; lb., \$4.00.

Hathaway's Excelsior.—Early, of medium size, uniformly round, very solid, of excellent quality, and very productive; an excellent market variety. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Large Smooth, or Round Red.—Smooth and fair, color bright red; an excellent market variety. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., \$2.50.

Lester's Perfected (Fejee Island).—Fruit of large size, pinkish red; of fine flavor. Per pkt., 5 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Large Yellow.—About the size and shape of the Smooth Red; color bright yellow. Per pkt., 5 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Yellow Plum.—Shape uniformly oval, and perfectly smooth; color lemon yellow; used for preserves. Per pkt., 5 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

Red Cherry.—A small, round, red Tomato, of the shape and size of a cherry; fine for pickling. Per pkt., 5 cents; oz., 30; ¼ lb., \$1.00; lb., \$3.00.

New Erect French, or Tree (Tomate de Lave).—Distinct from all others, of upright growth, in the form of a bush; fruit solid and of fine quality. Per pkt., 10 cents; oz., \$1.50.

Strawberry, or Ground Cherry (Physalis Edulis).—An entirely distinct variety; the fruit has a juicy pulp, of a pleasant strawberry-like flavor, with a certain degree of sweetness and acidity intermixed; with the addition of lemon juice it is frequently preserved like plums. Per pkt., 10 cents; oz., 30; ¼ lb., \$1.60; lb., \$3.00.

TOBACCO SEED.

Directions for cultivation, curing and preparation for the market will be furnished with the seed.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

General Grant.—The earliest Tobacco in cultivation; produces immense foliage, of fine texture, small veined, and very elastic; ripens as far north as Minnesota. Per pkt., 25 cents.

Connecticut Seed Leaf.—The seed offered has been saved from selected plants. Per pkt., 10 cents; oz., 35; ¼ lb., \$1.00; lb., \$3.00.

Havana.—Imported seed. Per pkt., 15 cents; oz., 50; ¼ lb., \$2.00; lb., \$6.00.

Maryland and Ohio.—Per pkt., 15 cents; oz., 40; ¼ lb., \$1.25; lb., \$4.00.

Kentucky.—Per pkt., 15 cents; oz., 40; lb., \$4.00.

Porto Rico.—Imported seed. Per pkt., 20 cents; oz., 75; ¼ lb., \$2.50; lb., \$8.00.

Salenichi.—Very large leaves. Per pkt., 25 cents; oz., \$1.00; ¼ lb., \$3.00; lb., \$10.00.

Virginia, James River.—Per pkt., 15 cents; oz., 40; ¼ lb., \$1.25; lb., \$4.00.

The following are recommended for trial:

Latakia, Chirras, Gundi, Brazilian, Manilla, Laplata, Cavallo.—Each, 25 cents per pkt.; 5 pkts., \$1.00.

TURNIP.

[*Brassica rapa*, LIN. *Navet*, FR. *Rube*, GER. *Nabo*, SP.]

CULTURE.—For the Spring crop, sow the Early White Dutch, or the "Strap-leaved" sorts as early as the seed can be got into the ground, in fourteen-inch drills, and thin to five or six inches. For the Fall and main crop, sow, at the North, from the middle of July to the last of August, in drills, as directed for the Spring sowing. In the field, Turnips are more generally sown broadcast, though much the largest crops are obtained by drill culture. Land newly cleared and burnt over, and old pasture ground, plowed two or three times during the Summer, and well manured with thoroughly rotted manure or guano, and ashed at the time of sowing, will produce the clearest and sweetest Turnips. The sowing should always be done just before a rain, if possible, for the escape from the fly; and the success of the crop in a great measure depends upon quick germination, and a rapid and free growth at first. One ounce of seed will sow 1,000 square feet; an acre will require from one to two pounds.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

WHITE FLESH VARIETIES.

Early Flat Dutch, or Spring Turnip.—Size medium; white, of quick growth. For Spring or Fall. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

White Top Strap-leaved.—Form roundish or flat, medium size, small tops; few leaves, which are entire, upright; tap-root, small; one of the best. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Red Top Strap-leaved.—This variety has the form and character of the White-topped, except in color, which is red or purple above ground. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Purple Top, White Globe.—A new and improved variety of the preceding; of globular shape, very handsome, and of superior quality, either for the table or stock; an excellent keeper, and a fine market variety. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

White Globe.—Root globular, skin smooth, perfectly white, flesh white. It grows to a large size. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Large White Norfolk.—Large size; skin white below the surface, but sometimes greenish above. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 60.

Long White, or Cow Horn.—Flesh white, fine grained, and sweet; keeps well, and is one of the best of all for culinary purposes. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Early White Egg.—A new and desirable variety for the table; of rapid growth and of fine quality. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

YELLOW FLESH VARIETIES.

Yellow Malta.—A beautiful, symmetrical, small-bulbed, early variety; skin smooth, bright orange yellow. Per pkt., 5c.; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Petrowski.—Flesh dark yellow, similar in form to Egyptian Beet. Per pkt., 10 cents; oz., 15; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Early Yellow Finland.—A beautiful medium-size variety. The flesh is tender, close-grained; of a sweet, sugary flavor; an excellent garden variety. Per pkt., 5 cents; oz., 20; $\frac{1}{2}$ lb., 50; lb., \$1.50.

Yellow Aberdeen Purple Top.—Bulb globular, reddish purple above, and deep yellow below, tap-root small, flesh pale yellow, tender, sugary, and solid. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Robertson's Golden Ball.—It forms a beautiful bulb, with a bright yellow rind and cream-colored flesh; rich, pulpy, and excellent for culinary use as well as for stock. Its keeping qualities are unrivaled. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Large Yellow Globe.—This variety grows to a large size, handsome, globular shaped, color pale yellow with greenish top leaves, rather small and spreading. One of the best for a general crop, either for table use or stock; keeps hard and brittle until late in Spring. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Yellow Stone.—Similar in appearance to the Golden Ball; one of the very best for table, and being very nutritious, is also highly recommended for feeding stock. Excellent for late sowing, and in its keeping qualities unsurpassed. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Tellow, or Small Berlin.—The smallest variety grown, having leaves resembling a radish. It is very early; flesh yellowish white, fine grained and sugary. Valuable in soups and gravies. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 30; lb., \$1.00.

Seven Top.—A variety principally used in the Southern States. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

SWEDISH or RUSSIAN TURNIP (*Ruta-Baga*).[*Brassica, campestris nabo-brüssica*, LIN. *Chou Rutabaga*, FR. *Kohlrab in der Erdelgelber*, GER. *Nabo rutabaga*, SP.]

CULTURE.—The Swedes, at the North, should be sown from the 20th of June to the 1st of July, in twenty-five inch drills, and thinned out at the first working to ten inches apart; or they may be sown in a seed-bed and afterwards transplanted. It is necessary that the ground should be dry and made very rich.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Skirving's Purple Top.—Imported seed. An improved purple-top variety, of strong growth; large size; best suited to field culture and cattle feeding. Per pkt. 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 70.

Laing's Improved.—A handsome variety of excellent quality; purple above and yellow under ground; almost perfect globe-shaped when well grown. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 70.

Carter's Imperial Hardy Swede.—A new English variety, highly recommended as producing extraordinary crops, and obtained many first-class prizes at various exhibitions in England. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 70.

Sutton's Improved Champion Swede.—A favorite English variety, which has produced 38 to 43 tons per acre. It is the hardiest, the heaviest cropping, and the most nutritious variety grown. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Improved American.—This variety is largely grown in this country by many of our most prominent agriculturists, both for the table and for feeding stock; flesh very solid; fine quality; keeps well until Summer. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 20; lb., 70.

Sweet German.—Bulb four or five inches in diameter and six or seven in depth; neck two or three inches long; skin greenish brown above ground, white beneath; flesh pure white, of extraordinary solidity, very sweet, mild, well flavored; retains its solidity and freshness until Spring. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

Long White French.—Skin white; flesh white, solid, mild, and sweet, strongly resembling the preceding, of which it is supposed to be a variety; excellent for the table, also for stock. Per pkt., 5 cents; oz., 10; $\frac{1}{2}$ lb., 25; lb., 75.

WHITLOEF.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

A most distinct and entirely new vegetable, somewhat resembling Chicory in habit. It produces a moderate-sized and beautiful white heart, in shape similar to a Cos Lettuce; and either eaten boiled, or as a salad, it will be found a valuable acquisition to our short list of Winter vegetables. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

POT, SWEET AND MEDICINAL HERBS.

Herbs in general love a mellow and free soil, and some pains should be taken in properly harvesting them in a dry state. The chief points are, first, to cut them when not quite in full blossom, and on a dry day to dry them quickly in the shade in a secure place, and when dry to pack them close in dry boxes or vessels, and keep them entirely excluded from the air. Sow the seeds early in Spring in shallow drills, and when they are up thin them out to a few inches apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Angelica Garden (*Archangelica officinalis*). Per pkt., 10 cents; oz., 20.

Anise (*Pimpinella anisum*). Per pkt., 5 cents; oz., 10; lb., \$1.00.

Arnica (*Arnica montana*). Per pkt., 10 cents; oz., \$2.00.

Balm (*Melissa officinalis*). Per pkt., 10 cents; oz., 40.

Basil, Sweet (*Ocimum basilicum*). Per pkt., 10 cents; oz., 30; lb., \$3.00.

Bene (*Sesamum orientale*). Per pkt., 5 cents; oz., 20.

Borage (*Borago officinalis*). Per pkt., 5 cents; oz., 20.

Belladonna (*Atropa belladonna*). Per pkt., 10 cents; oz., 75.

Bryonia (*Bryonia dioica*). Per pkt., 10 cents; oz., \$1.00.

Caraway (*Carum carvi*). Per pkt., 5 cents; oz., 15; lb., \$1.00.

Castor Oil Plant (*Ricinus communis*). Per pkt., 10 cents; oz., 20.

Coriander (*Coriandrum sativum*). Per pkt., 5 cents; oz., 20.

Dill (*Anethum graveolens*). Per pkt., 5 cents; oz., 15.

Fennel, Sweet (*Anethum feniculum*). Per pkt., 5 cents; oz., 15; lb., \$1.00.

Fenugreek (*Trigonella foenum græcum*). Per pkt., 5 cents; oz., 15.

Hemlock (*Contum maculatum*). Per pkt., 10 cents; oz., 50.

Henbane (*Hoscyamus niger*). Per pkt., 10 cents.

Horehound (*Marrubium vulgare*). Per pkt., 10 cents; oz., 40.

Hyssop (*Hyssopus officinalis*). Per pkt., 10 cents; oz., 40.

Lavender (*Lavendula vera*). Per pkt., 10 cents; oz., 25.

Marjoram, Sweet (*Origanum marjoram*). Per pkt., 10 cents; oz., 25; lb., \$2.50.

Opium Poppy (*Papaver somniferum*). Per pkt., 10 cents; oz., 30; lb., \$2.00.

Pot Marigold (*Calendula officinalis*). Per pkt., 10 cents; oz., 40.

Rosemary (*Rosemarinus officinalis*). Per pkt., 10 cents; oz., 50.

Rue (*Ruta Graveolens*). Per pkt., 10 cents; oz., 25.

Saffron (*Carthamus tinctorius*). Per pkt., 5 cents; oz., 15; lb., \$1.50.

Sage (*Salvia officinalis*). Per pkt., 5 cents; oz., 20; lb., 2.00.

Sage, Red (*Salvia sclarea*). Per pkt., 10 cents.

Stramonium (*Datura stramonium*). Per pkt., 10 cents; oz., 30.

Summer Savory (*Satureja hortensis*). Per pkt., 10 cents; oz., 20; lb., \$2.50.

Tansy (*Tanacetum vulgare*). Per pkt., 10 cents.

Thyme (*Thymus vulgaris*). Per pkt., 10 cents; oz., 40; lb., 4.00.

Woodroof (*Asperula odorata*). Chief ingredient of the Maitrank. Per pkt., 10 cents.

Wormwood (*Artemisia absinthium*). Per pkt., 10 cents; oz., 30.

KITCHEN GARDEN ROOTS, PLANTS, etc.

Asparagus, Conover's Colossal.—One-year-old roots. Per hundred, 75c.; thousand, \$6.00.

Asparagus, Conover's Colossal.—Two-year-old roots. Per hundred, \$1.25; thousand, \$10.00.

One-year-old roots by mail, 25 cents per hundred extra; two-year-old roots are too bulky for mailing.

Plants of Cabbage, Cauliflower, Celery, Egg Plant, Peppers, Sweet Potatoes, Tomatoes, etc., will be ready in May. Special list sent on application.

Horse-Radish Sets.—Per dozen, 20 cents; hundred, 75; thousand, \$6.00.

Rhubarb, Myatt's Victoria.—Each, 25 cts.; per doz., \$2.00; hundred, \$10.00. By mail, 40 cts. each.

Rhubarb, Limeus.—Each, 25 cents; per dozen, \$2.00; hundred, \$10.00. By mail, 40 cents each.

EARLY GOLDEN SWEET POTATO.

This variety originated in Virginia a few years since, by an old cultivator of the Sweet Potato. It is a sport of the old **Early Red**, but said to be far superior to that variety in earliness, productivity, color, and quality. Slips planted May 10th produced tubers large enough for the market July 25th. On account of its early maturity, it is believed to be better adapted for cultivation in the Northern States than any other variety. In shape they are somewhat shorter than the ordinary varieties, of a golden yellow color, cook very dry, and are of superior flavor. Another valuable consideration in favor of this variety is, that they will grow on quite ordinary soil with but a slight coat of manure, and yielded a large crop the past season upon land that would not grow above fifteen bushels of corn to the acre. In good soil they will produce many specimens weighing three to five pounds each. It is also an excellent keeper.

We first offered this variety in spring of 1880, and have received many favorable notices from those who have tested it. It matured its crop as far north as Canada. Specimens have been exhibited weighing 6 pounds. Slips ready about May 15th, tubers, early in April.

Price of slips, with directions for planting, by mail, post-paid, 50 cents per dozen; \$1.00 for fifty; \$1.75 per hundred. By express, at purchaser's expense, \$1.00 per hundred, \$7.50 per thousand.

Price of Tubers, 60 cents per pound; 3 lbs., \$1.25 by mail. By express, at purchaser's expense, 5 lbs., \$1.00; 20 lbs., \$2.50; 50 lbs., \$5.00.

COLLECTIONS OF KITCHEN GARDEN SEEDS.

A COMPLETE ASSORTMENT OF VEGETABLE SEEDS FOR ONE YEAR'S SUPPLY, FOR A LARGE OR SMALL GARDEN.

The following collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden for successive crops, and are prepared for immediate shipment during the busy season; consequently no change can be made in the quantities or varieties. For the different varieties, Peas, Beans, Beets, &c., contained in each collection, see our *Guide to the Flower and Kitchen Garden*. Those who do not wish for the entire collection, are advised to make up their orders from the body of the Catalogue.

Collections Nos. 1, 2, 3, 4 will be sent by express at the expense of the purchaser; Nos. 5, 6 and 7 are prepared expressly for forwarding by mail, and will be mailed, post-paid to any address in the United States, upon receipt of the price affixed.

ARTICLES.	Col. 1 for \$20 contains	Col. 2 for \$15 contains	Col. 3 for \$10 contains	Col. 4 for \$5 contains	Col. 5 for \$3.50 contains	Col. 6 for \$2 contains	Col. 7 for \$1 contains
Peas	8 qts.	5 qts.	4 qts.	3 pts.	1½ pt.	2 pkts	
Beans	4 qts.	6 pts.	3½ pts.	1½ pts.	2 pkts		
Beets	8 oz.	6 oz.	4½ oz.	2 oz.	1 oz.	3 pkts	2 pkts
Borecole, or Kale	1 oz.	¾ oz.	½ oz.	1 pkt.			
Broccoli	1 oz.	½ oz.	2 pkts	1 pkt.	1 pkt.		
Carrot	10 oz.	8 oz.	4 oz.	2 oz.	2 pkts	2 pkts	1 pkt.
Cauliflower	1 oz.	¾ oz.	2 pkts	1 pkt.	1 pkt.	1 pkt.	
Cabbage	6 oz.	4 oz.	3 oz.	2 oz.	5 pkts	4 pkts	3 pkts
Celery	2 oz.	1½ oz.	4 pkts	3 pkts	2 pkts	1 pkt.	1 pkt.
Corn	6 qts.	4 qts.	2 qts.	2 pts.	1 pt.	1 pkt.	
Cress	2 oz.	1½ oz.	1 oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.
Cucumber	6 oz.	4 oz.	2 oz.	3 pkts	2 pkts	1 pkt.	1 pkt.
Endive	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.		
Kohl Rabi	1 oz.	¾ oz.	½ oz.	¾ oz.			
Leek	1 oz.	¾ oz.	½ oz.	¾ oz.	1 pkt.		
Lettuce	4 oz.	3 oz.	1½ oz.	3 pkts	2 pkts	2 pkts	1 pkt.
Musk-melon	6 oz.	4 oz.	2 oz.	3 pkts	2 pkts	2 pkts	1 pkt.
Water-melon	4½ oz.	3 oz.	1½ oz.	3 pkts	2 pkts	1 pkt.	1 pkt.
Onion	4 oz.	3 oz.	2 oz.	1 oz.	3 pkts	2 pkts	1 pkt.
Okra	4 oz.	3 oz.	2 oz.	½ oz.	1 pkt.		
Parsley	2 oz.	1 oz.	½ oz.	¾ oz.	1 pkt.	1 pkt.	
Parsnip	5 oz.	4 oz.	2 oz.	1 oz.	2 pkts	1 pkt.	1 pkt.
Pepper	1 oz.	¾ oz.	½ oz.	2 pkts	1 pkt.	1 pkt.	
Radish	14 oz.	8 oz.	6 oz.	3 oz.	2 oz.	3 pkts	1 pkt.
Spinach	1 lb.	12 oz.	8 oz.	4 oz.	1 oz.	1 pkt.	1 pkt.
Squash	8 oz.	6 oz.	4 oz.	2 oz.	4 pkts	3 pkts	2 pkts
Tomato	2½ oz.	1¾ oz.	1¼ oz.	4 pkts	3 pkts	2 pkts	1 pkt.
Turnip	1 lb.	12 oz.	8 oz.	2 oz.	1½ oz.	2 pkts	1 pkt.
Egg Plant	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.	
Sweet and Pot Herbs	7 pkts	6 pkts	5 pkts	4 pkts	3 pkts	1 pkt.	

SEEDS FOR HEDGES.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Acacia, Three Thorned, or Honey Locust (*Gleditsia triacanthos*).—Very hardy and effectual for protection against man or beast; admirably adapted for the prairies. Per lb., 60 cents.
Buckthorn (*Rhamnus Catharticus*).—Clean seed. Per oz., 15 cents; lb., \$1.50.
Yellow Locust (*Robinia pseudo acacia*).—Per oz., 10 cents; lb., 60.

Osage Orange (*Maclura Aurantiaca*). 33 lbs. to the bush. Per oz., 10 cents; lb., 75; bush., \$9.00.

Barberry (*Berberis vulgaris*).—Very hardy, producing a fine compact hedge, affording ample security against intrusion; also valuable for its fruit, which is excellent for preserving. Per oz., 20 cents; lb., \$2.00.



Perennial Rye Grass.



Meadow Fescue Grass.



Orchard Grass.



Crested Dog's Tail Grass.



Sweet Vernal Grass.



Sheep's Fescue Grass.

GRASSES.

GRASS SEEDS.

Subject to slight variations in price to correspond with the market.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

- Red Top Grass** (*Agrostis Vulgaris*).—Valuable for pasturage; is well known and extensively cultivated; 14 lbs. to the bush; 2 to 3 bush. will sow 1 acre. Per lb., 15 cents; bush., \$1.50.
- Creeping Bent Grass** (*Agrostis Stolonifera*).—A valuable variety for lawns or croquet grounds, or for permanent pasture; 15 lbs. to the bush., 2 to 3 bush. to the acre. Per lb., 30 cts.; bush., \$3.50.
- Meadow Foxtail** (*Alopecurus Pratensis*).—This is one of the best and earliest of pasture grasses; it thrives best on meadow lands; 7 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.
- Sweet Scented Vernal Grass** (*Anthoxanthum Odoratium*).—Permanent pasture should not be without this variety, as it is of good quality and very early; also very fragrant; 10 lbs. to the bush., 30 lbs. to the acre. Per lb., 40 cents.
- Rhode Island Bent** (*Agrostis Canina*).—An excellent variety for lawns and pasturage; 11 lbs. to the bush., 2 to 3 bush. to the acre. Per bush. \$3.50.
- Schraeder's Brome Grass** (*Bromus Schraederi*).—A forage plant from Australia, particularly recommended for resisting the drouth better than any other variety, and will thrive on any soil, except where there is superabundance of moisture; yields two good crops in a season; 16 lbs. to the bush., 35 lbs. to the acre. Per lb., 50 cents.
- Crested Dogtail** (*Cynosurus Cristatus*).—This grass, forming a close turf, and having rather fine foliage, may be advantageously sown on lawns and other places to be kept under by the scythe; it is also useful for very dry or gravelly soils; 23 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.
- Orchard Grass** (*Syn. Round Cocksfoot.*) (*Dactylis Glomerata*).—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; if allowed to stand for hay it has rather a coarse appearance, but if grazed it always has a fresh green lue; 14 lbs. to the bush., 3 bush. to the acre. Per lb., 25 cents; bush., \$2.75.
- Hard Fescue Grass** (*Festuca Durivuscula*).—Will thrive in a great variety of soils, and resist the effect of drouth in a remarkable degree; from the fineness of its foliage it is well adapted for lawns or a sheep pasture, and its habit of reproduction after sowing is very great; 12 lbs. to the bush., 30 lbs. to the acre. Per lb., 30 cents.
- Meadow Fescue** (*Festuca Pratensis*).—This thrives in all soils, excellent for a permanent pasture, is well liked by all kinds of stock; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 40 cents.
- Tall Fescue** (*Festuca Elatior*).—A robust variety; succeeds admirably in moist soils or where the meadows are subject to floods; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 40 cents.
- Sheep's Fescue** (*Festuca Ovina*).—This grass forms a greater part of the sheep pastures of the English Southdowns; it should always enter into the composition of pastures in which sheep are to be pastured, as they are very fond of it, and mutton from such pasture is of the finest flavor; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 25 cents.
- Red Fescue** (*Festuca Rubra*).—Especially suitable for dry, loose soils; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 40 cents.
- Darnel-spiked Fescue** (*Festuca Loliacea*).—One of the most valuable grasses in cultivation, either for permanent pasture or lawns; it springs early, is very productive, very nutritious, and improves by age; thrives on all good soils, and increases in bulk pastured for many years; 12 lbs. to the bush., 40 lbs. to the acre. Per lb., 60c.
- Rough Stalked Meadow Grass** (*Poa Trivialis*).—Produces a constant supply of highly nutritious herbage, particularly on damp soils; one of the most valuable for laying down pastures and meadows on soils either moist; or moderately dry; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 35c.
- Wood Meadow Grass** (*Poa Nemoralis*).—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 40 cents.
- Kentucky Blue Grass, or Smooth Meadow Grass** (*Poa Pratensis*).—This grass yields, at a very early period of the season, herbage of the most nutritious properties; thrives in moderately dry soils; extensively grown in many parts of the country; 14 lbs. to the bush., 1½ bush. to the acre. Per lb., 20 cents; bush., \$2.00.
- Timothy, or Herd's Grass** (*Phleum Pratense*).—Very productive, and thrives on almost any soil; for laying down strong, tenacious and moist soils it should form a considerable portion of the mixture required for husbandry or permanent pasture; it is also very profitable when grown alone; 45 lbs. to the bush., ½ bush. to the acre; price according to market.
- Reed Canary Grass** (*Phalaris Arundinacea*).—Grows well by streams or marshes; 25 lbs. to the acre. Per lb., 75 cents.
- Meadow Soft Grass** (*Holcus Lanatus*).—Grows from 1½ to 2 feet high; thrives in almost any soil; useful for orchards or pastures overhung with trees; 3 bush. to the acre, 7 lbs. to the bush. Per lb., 40 cents; bush., \$2.50.
- English Rye Grass** (*Lolium Perenne*).—Very nutritious, and valuable for permanent pastures; 24 lbs. to bush., 3 bush. to acre. Per bush., \$2.50.
- Italian Rye Grass** (*Lolium Italicum*).—For alternate husbandry this is invaluable, especially for early sheep feed and soiling; 18 lbs. to the bush., 3 bush. to the acre. Per bush., \$2.75.
- The two varieties of Rye Grass are very largely used in Europe, and enter largely into the composition of the many mixtures recommended for various soils.
- Yellow Oat Grass** (*Avena Flavescens*).—Should be sown with other varieties, such as Crested Dogtail or Sweet Vernal; valuable for dry meadows and pastures; 8 lbs. to the bush., 35 lbs. to the acre. Per lb., 75 cents.

NOTE.—When large shipments of the above are required, special quotations will be furnished.

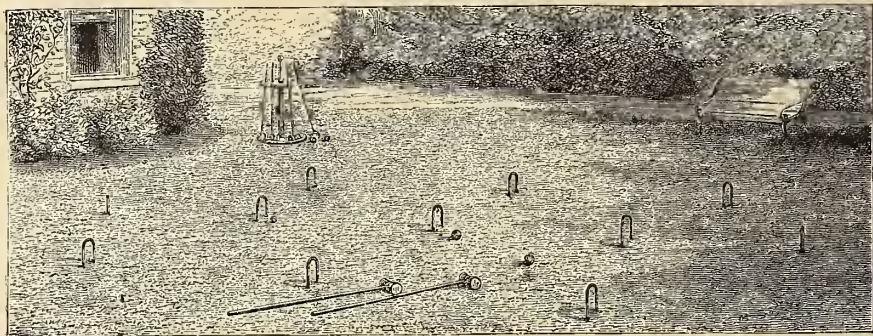
CLOVERS.

By mail 16 cents per pound additional.

- Red Clover** (*Trifolium Pratense*).—Large or Pea vine. Market price.
- Red Clover**.—Medium. Market price.
- White Clover** (*Trifolium Repens*).—Per lb., 40c.
- Lucerne Clover** (*Medicago Sativa*).—Per lb., 45c.
- Alfalfa or Chilian Clover**.—Per lb., 35 cents.
- Alsike or Hybrid Clover**.—Per lb., 35 cents.
- Italian Clover** (*Trifolium Incarnatum*).—Scarlet. Sow in July for soiling or mowing before Winter. 20 lbs. to the acre. Per lb., 40 cents.
- Bokhara Clover** (*Melilotus Leucantha*).—Affords excellent feed for bees. Per lb., 60 cents.
- Trefoil Yellow** (*Medicago Lupulina*).—Hop clover. 15 lbs. to the acre. Per lb., 40 cents.

GRASS SEEDS.

FOR LAWNS, CROQUET GROUNDS, ETC.



THE PREPARATION OF LAWNS AND THEIR MANAGEMENT.

In the formation of lawns the ground should be thoroughly cleansed of root weeds before sowing. It should be dug or trenched to an equal depth to prevent unequal settlements; and to secure this, it should be repeatedly trodden, rolled and leveled, until at last a firm and uniform surface is obtained. The selection of proper grass seeds is the next important matter, and this requires more than ordinary attention, that the kinds of grass be suited both to the purpose and soil, and that the mixture of these grasses be proportioned to suit the end in view. Our mixtures are prepared to suit all soils and situations, and whether used in pasture or lawns have invariably borne the best results. It is of great importance that we should be acquainted with the nature of the land, which enables us to furnish mixtures composed of grasses best adapted for the purpose. It must be remembered, however, that much of the fine appearance of our Lawns depends upon regularity in mowing; if they are left too long in Spring before the operation is commenced, or if allowed to grow strong in Summer; and, more especially, if not closely mown at the latest period in Autumn, they become coarse, the stronger grasses overgrowing the weaker and the best, the smoothness of the surface is destroyed, and ultimately the whole becomes patchy and unsightly. For this purpose we cannot recommend too strongly the **Charter Oak Lawn Mower**. The improvement in many of the lawns in this country where this mower has been used, since its introduction a few years since, is truly wonderful, and no one who wishes for a fine smooth lawn can afford to dispense with it. All lawns should also be regularly rolled, and, unless the subsoil be a porous alluvial gravel, should be thoroughly drained at their formation, and a drain should be carried along at the bottom of each terrace slope, so that they may at all times be comfortable to walk upon. The seed may be sown in Spring or Fall; but if sown in hot weather, a slight sowing of oats among the grass, which vegetates quickly, will serve to protect the springing grass. For forming new lawns three bushels are required per acre, or about four quarts to six rods of land, which should be regularly and evenly distributed,—the Philadelphia Seed-Sower, noticed on another page, will be found a most useful implement for this purpose,—15 pounds to the bushel.

If by mail, postage must be added at the rate of 8c. per quart.

Lawn Grass.—Central Park mixture; composed of dwarf, and close growing grasses, which, properly managed, produce a fine velvety lawn and permanent sod. Per qt., 25 cents; bush., \$5.00.

Lawn Grass, French. For Croquet grounds and small plots. Per qt., 20 cents; bush., \$4.00.

Lawn Grass.—Fine mixture; a second quality of

the above; recommended for large areas. Per qt., 15 cents; bush., \$3.50.

Lawn Grass.—Mixture of best grasses especially adapted for shady situations, such as orchards, shrubberies, &c. Per qt., 25 cents; bush., \$5.00.

Flint's Mixture.—For permanent grass land; adapted for various kinds of soils. Per bush., \$5.00.

BIRD SEEDS, Etc.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Canary (*Phalaris canariensis*).—Per qt., 20 cents.

Hemp (*Cannabis sativa*).—Per qt., 20 cents.

Maw (*Papaver rhæas*).—Per lb., 25 cents.

Millett (*Panicum miliaceum*).—Per qt., 15 cents.

Rape (*Brassica napus*).—Per qt., 25 cents.

Rice, unhulled (*Oryza sativa*).—Per qt., 25 cents.

Lettuce (*Lactuca sativa*).—Per oz., 10 cents; lb., 50.

Mocking-Bird Food (prepared).—Per bottle, 50c.

FRUIT SEEDS.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Pear Seed (*Pyrus communis*).—Per oz., 25 cents; lb., \$2.00.

Quince Seed (*Cydonia vulgaris*).—Per oz., 35 cents; lb., \$3.50.

Apple Seed (*Pyrus malus*).—Per qt., 40 cents; bush., \$6.00.

Plum Pits (*Prunus communis*).—Per qt., 50 cents; bush., \$3.00.

Apricot Pits (*Armenica vulgaris*).—Per oz., 10 cents; lb., 75.

Cherry Mahaleb (*Cerasus Mahaleb*).—Per lb., 75c

Cherry Mazzard (*Cerasus communis*).—Per qt., 25 cents.

Currant Seed, red and white (*Eibes*).—Per oz., 50 cents.

Peach Pits.—Per qt., 10 cents; bush., \$1.50.

MISCELLANEOUS SEEDS, Etc.

By mail, 25c. per quart, 16c. per pound additional for postage.

Broom Corn, Evergreen Dwarf.—This seed was carefully saved from brush, none of which was less than 20 inches in length, and stalks not over 4 feet in height. Per qt., 25 cents; bush., \$4.00.
Broom Corn, Medium.—Per qt., 25 cents; bush., \$4.00.
Broom Corn, California.—Per qt., 30 cents.
Cotton, Sea Island.—Per lb., 25 cents.
Cotton, Upland.—Per lb., 25 cents.
Flax Seed.—Clean. Per qt., 25 cents; bush., \$4.00.
Jute Seed.—Per oz., 40 cents; lb., \$4.00.
Lupins.—Per qt., 50 cents.
Madder.—The roots of this plant, when dried and ground, furnish a red coloring matter, much used by dyers. Per lb., \$1.00.

Pyrethrum Willematii (Insect Powder Plant).—Per oz., \$3.00.
Ramic, or China Grass (*Urtica nivea*).—A new fibrous plant, much used by the Chinese for the manufacture of a fine silk summer cloth. Will grow where cotton can be raised. Per oz., \$2.00.
Sainfoin.—Double cutting. Per lb., 40 cents.
Spurry (*Spergula Arvensis*).—A useful fodder plant for light sandy soils. Per lb., 25 cents.
Sunflower.—Per qt., 30 cents; bush., \$7.00.
Tarragon.—Seeds, per pkt., 25c.; roots, doz., \$3.00.
Teasels.—For fuller's use. Per lb., 50 cents.
Vegetables, Spring.—Much used as a forage plant; also a substitute for Peas. Per qt., 20 cents; bush., \$3.00.

KENNEY'S EARLY AMBER SUGAR CANE.

In this variety we have a plant that is destined to prove of immense value to the northern portion of our country. It has been tested in Minnesota for several years past. A large grower gives the following statement to the State Commissioner:

Planted on the 27th of May, on new land, it was ripe before frost. Its saccharine qualities are of the first order, and its earliness highly recommends it to the whole country. It is not easily blown down, and usually grows eleven and twelve feet high with us. When planted between the 1st and 10th of May, the seed almost invariably ripens, thus giving the advantage of a double crop in one year from one planting. If skillfully handled it will yield some 20 or 25 bushels of seed and 150 or more gallons of fine syrup per acre. All kinds of farm stock are fond of the seed; when ground and mixed with bran it makes a good heavy feed for horses. We have seen sugar produced from this variety equal to the best coffee sugars in the market.

By mail, 40c. per lb. When sent by express at purchaser's expense, 20c. per lb.; per 100 lbs., \$15.00.

EUCALYPTUS GLOBULUS, or Australian Fever Gum Tree.

This is now being extensively planted in our Southern States and in California, where it has become famous for draining damp soils and destroying malaria. It is believed by many that when this tree has been extensively planted in the swampy and malarious districts in the Southern States, they will be equally as healthy as any other portion of the country. Per pkt., 25 cents; oz., 75; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00. We can offer several other varieties of Eucalyptus, from Australia, at 25 cents per packet.

DIOSCOREA BATATAS—NEW CHINESE YAM.



Root one year old—1-6 ordinary size.



Bulbets—average size.

One of the most valuable esculents in cultivation, though but little known. Stem twelve to twenty feet in length, of rapid growth, of creeping or climbing habit, forming an excellent covering for a screen; flowers small, white, in clusters; leaves heart-shaped. The root is of a pale russet color, oblong, regularly rounded, club-shaped, largest at the lower end. Plant in a deep, light soil, tolerably rich and thoroughly stirred two feet deep. A well-grown root will measure 2 feet in length and 2½ inches in its broadest diameter, and are quite hardy, remaining in the ground over Winter without protection. The flesh is remarkably white, and very mucilaginous in its crude state. They may be boiled or roasted, and when cooked possess a rice-like taste; are quite farinaceous, nutritive and valuable for food. It is also a very desirable climbing plant, suitable for covering screens, arbors and unsightly places. A few tubers planted near a door or window, and the vines trained over and about it, make an ornament worthy the admiration of all. The flowers are numerous, and have a cinnamon fragrance; but the vines do not blossom until the roots are two years old. There is scarcely any difference, perceptible to the taste, between a Chinese Yam, when properly cooked, and the potato, though the yam is much whiter and finer grained. One-year-old roots, \$1.25 per dozen; \$6.00 per hundred. Bulbets, 20 cents per dozen \$1.50 per hundred.

REANA LUXURIANS (Teosinte).

Much has been spoken lately in the agricultural and horticultural papers of this gigantic gramineæ, both as an ornamental as well as a forage plant. It is a native of Central America; perennial in hot climates, it will not stand our winters; resembles Indian corn in aspect and vegetation, but produces a great number of shoots, growing three to four yards high, thickly covered with leaves, and yielding such an abundance of forage that one plant is estimated to be sufficient to feed a pair of cattle for twenty-four hours. In our northern countries, it is doubtful whether it will be available for forage, but it will certainly find its place in large gardens as a decorative plant, for sowing in Spring in pots and planted in May, in the open ground, it will produce a mass of shoots, forming a large bunch of more than a yard in diameter by three yards in height. Per packet, 15 cents; oz., 25; lb., \$3.00.



Defiance.

Champlain.

PRINGLE'S NEW HYBRID SPRING WHEATS.

The above are actual representations of some of the heads selected from wheat grown in a field with ordinary farm culture.

GRAINS.

NEW WHEAT, "GOLDEN GRAINS."

FOR SPRING OR FALL SOWING.

This is a very bardy and most productive variety, with long stiff straw, standing well, stools heavily, and frequently grows from twenty-five to seventy stalks from a single graui; the ears are long and closely filled with full, plump grains, with but little chaff. It is without doubt the largest grained Wheat ever seen, being fully three times as large as our best common Wheat. During the past season, it has produced at the rate of sixty-four bushels per acre, without any special culture. This Wheat grows with a beard until it begins to ripen, after which all the beard falls off. In the West it has been grown successfully as a Spring Wheat, but for this section it is a Winter Wheat, and stands freezing and thawing well. One pound by mail, \$1.00.

SPRING WHEAT.

PRINGLE'S NEW HYBRID SPRING WHEATS.

The two following varieties were first offered by us in 1878, and the most satisfactory reports of their yield and quality have been received from growers in all sections of the country. In order to see what it would do under careful cultivation, we offered premiums in 1878 to the amount of \$250.00, to be divided among those who produced the greatest amount from one pound of seed—also for the best and largest heads. Some of the reports were truly wonderful, and showed what good culture and good seed will do. 761 pounds of Champlain, and 528 pounds of Defiance were raised, each from one pound of seed. Many of the best heads measured six to seven inches in length, and produced from 80 to 90 kernels per head. The prize collection was exhibited at the American Institute in the Fall of 1879, for which a Diploma was awarded. These two varieties were also awarded the *first and second prizes* at the *Intercolonial Exhibition at Sydney, N. S. W., Australia*, in April, 1879, as the best new varieties exhibited. Our correspondent informs us that they attracted much attention and received many special visits from millers and growers from other colonies, as well as their own.

CHAMPLAIN.

791 Pounds Grown from One Pound Seed.

Was produced in 1870 by Mr. Pringle, in his endeavors to unite the remarkable hardness of the Black Sea with the fine and superior quality of the Golden Drop. Several varieties were the result of this hybridization, from which this one was chosen, as realizing the end in view, showing greatly increased vigor and productiveness over both its parents. A continued careful selection has now fully established its character, and we have a Wheat bearded like the Black Sea, with the white chaff of the Golden Drop, free from rust and smut, yielding a lighter colored grain than the former, and producing a flour of *superior quality*. Its strong and vigorous straw stands erect, and frequently bears, with very ordinary culture, heads from five to six inches in length, containing from sixty to seventy-five kernels each.

DEFIANCE.

528 Pounds Grown from One Pound Seed.

This variety of Wheat is the result of a series of experiments by Mr. Pringle in 1871, to incorporate superior qualities upon the hardy stock of our common Club Wheat, by hybridizing it with one of the finest, whitest, and most extensively grown sorts of the Pacific coast.

It displays great productiveness, vigor and hardness; is a beardless white chaff Wheat, with heads frequently five to six inches long, very closely set with large white kernels, frequently numbering seventy-five to eighty to the single head. Its white, stiff, erect straw, exempt from the attack of rust, its earliness, combined with great vigor and superior qualities, claims for it universal trial.

Prices of each variety, \$1.50 per peck; \$5.50 per bush.; bags containing two bushels, \$10.00.

Trial packages by mail, post-paid, one pound, 40 cents; three pounds, \$1.00. Special quotations for larger quantities.

Bush.

White Russian. —This variety has proved very valuable in many localities in the North-western States. Straw of good length, strong, does not lodge, is not inclined to rust. Heads of large size and well filled with plump kernels, weighing sixty to sixty-two pounds to the bushel.....	\$2.50
China Spring. —A white chaff, bearded variety; produces long heads well filled with plump kernels	3.00
Mediterranean Spring. —This variety is bearded, yields well, and the kernels are much larger than those of the other Spring varieties.....	3.00
Three pounds of either of above, by mail, \$1.00.	

RYE.

Thousand-Fold.—A desirable European novelty, producing enormous heads from six to eight inches in length; grains very large and full; and, as its name implies, an unusually prolific variety. Price, trial packets (about 500 grains), 25 cents; one pound, by mail, \$1.00.

Winter Rye.—White, of a superior quality. Three pounds, by mail, \$1.00..... 1.50

Spring Rye.—Three pounds, by mail, \$1.00..... 1.75

SILVER-HULL BUCKWHEAT.

This variety is a great improvement upon the ordinary Buckwheat. Sown at the same time as the common Buckwheat, it continues in bloom longer, matures earlier, and yields nearly double under the same conditions. The grain is of a beautiful light gray color, varying slightly in shade, and the corners are much less prominent than in the ordinary variety, while the husk is thinner, thereby saving from fifteen to twenty per cent. waste in the process of manufacturing into flour. Price, per peck, 50 cents; bushel, \$1.75. By mail, one pound, 40 cents; three pounds, \$1.00.

Buckwheat, common.—Per bushel, \$1.25; three pounds, by mail, \$1.00.

Grain in quantities of ½ bushel and upward should be shipped in canvas bags, which we can supply at following rates: ½ bushel, 15 cents; 1 bushel, 20 cents; 2 bushels, 25 cents. Customers will please add cost of bags to remittance when ordering.

WINTER WHEAT.

- Fultz.**—A beardless amber variety, grown largely in some sections of Pennsylvania, and with very satisfactory results. It is very hardy and productive, and the straw is of medium length and very strong; makes excellent flour. Three pounds, by mail, \$1.00; bushel, \$2.25.
- Seneca or Clawson.**—Is a smooth white Wheat, with red chaff, a superior variety. Three pounds, by mail, \$1.00; bushel, \$2.25.
- Red Mediterranean.**—This is the imported variety, fully acclimated, and is a standard Wheat. Heads bearded, well filled; succeeds well in nearly all localities; ripens early. Three pounds, by mail, \$1.00; bushel, \$2.25.

OATS.

PRINGLE'S HYBRIDIZED EXCELSIOR HULLESS OATS.

Mr. C. G. Pringle, the well-known successful hybridizer, to whose efforts we are indebted for the celebrated Champlain and Defiance Wheats, Snowflake, Alpha, and several other standard varieties of potatoes, has been successful in imparting important improvements to another cereal. We purchased the entire stock of this promising novelty, and last spring we offered for the first time **Pringle's Hybridized Excelsior Hulless Oats**.

With a view to impart to the hullless species the size of plant, vigorous habit, and productiveness of one or other of the favorite hulled sorts, Mr. Pringle, amongst other experiments, hybridized the well-known Excelsior Oats with the Chinese Hulless, and the experiment proved, beyond question, highly successful, the result being the variety now offered.

It is quite distinct from the Chinese, with splendid straw, tall and stiff as that of the Excelsior, and with a panicle as broad and numerous seeded as in that variety. It is exceedingly prolific, being equal in yield to the best hulled varieties, and double that of the Chinese hullless oats. As a variety for milling purposes, the **Excelsior Hulless** is destined to become rapidly popular, not alone on account of absence of husk and freedom from bran, but also on account of the enormous size of the grain, and the excellent and nutritious quality of the meal produced from it.

We sent out one-ounce trial packets of this variety last Spring, from which we have heard wonderful results. Mr. Henry Talcot, of Ashtabula County, Ohio, saved ten pounds of seed from an ounce packet—fully one hundred and sixty fold.

Price per peck, \$2.50; bushel of 32 lbs., \$7.00; trial packages, by mail, 60 cents per lb.; 3 lbs., \$1.50.

Chinese Hulless.—A popular variety; the berry comes from the heads as clean as wheat, without chaff adhering; the grain is larger than ordinary Oats relieved of the hull. Three pounds, by mail, \$1.00; bushel of 32 lbs., \$1.50.

Challenge.—This splendid White Oat is rapidly superseding the older varieties, being unrivaled for productiveness and fine quality. It produces long, stout straw, with neat panicle completely covered with close set, plump, heavy grains; of excellent quality. Three pounds, by mail, \$1.00; by express, at purchaser's expense, per bushel, \$2.00.

Mold's Selected Black Tartarian.—One of the most prolific of all Black Oats, and has attained an extraordinary reputation wherever grown. Three pounds, by mail, \$1.00; by express, at purchaser's expense, per bushel, \$2.00.

Schöenen (white).—A new and exceedingly popular variety, very heavy and productive. Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.25.

White Probstieir.—Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.25.

White Russian.—An extremely handsome, hardy, and wonderfully prolific variety, with strong, bright straw, which, so far, has been entirely free from rust. The heads are of enormous length, well filled with plump, heavy grain of great nutritive qualities, which renders it very valuable for feeding purposes. Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.50.

Washington.—A distinct variety, yielding at least one-third more than the common sorts; straw stiff and heavy, and standing well until fully ripe. Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.50.

BARLEY.

Kinver Chevalier.—An English variety, surpassing all ordinary kinds in its enormous yield from thin seeding, and in excellence of grain, the latter being thin-skinned, bright, plump, and very heavy; the straw is of good length and quality. It answers well in all soils, having been grown with great success in many different localities. It is much appreciated by maltsters and brewers, and invariably commands a high price. By mail, 40 cts. per lb.; 3 lbs., \$1.00.

Two-Rowed.—Three pounds, by mail, \$1.00 per bushel, \$1.75

Four-Rowed.—Three pounds, by mail, \$1.00 " " 2.00

MILLET.

German or Golden Millet.—Golden Millet is of extraordinary value, and coming into great favor as an annual hay and fodder crop. It is medium early; height 3 to 5 feet; heads closely condensed, spikes very numerous; seeds round, golden yellow, in rough, bristly sheaths. Per bush., \$2.50.

Hungarian (Grass) Millet (*Panicum Germanicum*).—Early; height 2 to 3 feet; abundant foliage and slender head; withstands drought, and yields well on light soils. Per bush., \$2.00.

Common Millet (*Panicum Miliaceum*).—Very early; height 2 to 3 feet; foliage broad and very abundant; heads very open, branching panicles; seeds glossy, oval, somewhat flattened. Per bush., \$2.00. Three pounds of either of above, by mail, \$1.00.

The above varieties should be cut when in blossom. Prices quoted are subject to fluctuation.

NEW FORAGE PLANTS.

EGYPTIAN, EAST INDIAN, OR PEARL MILLET (*Pennisetia spicata*).

This new Millet is quite distinct from all other species, and is without doubt destined to take a place in the front rank of valuable forage plants. Sown in light sandy soil, the plants at first appear feeble, resembling broom corn; but when a few inches above ground they begin to tiller, and new shoots appear very rapidly from the original root, until they number a half dozen to a dozen or more. The stems at first are nearly prostrate, but when about two feet long they begin to assume an upright position, reaching a height of eight to ten feet, not differing in color or substance from our common Indian corn. In fact, it is one of the most "leafy" plants we have ever met in the great family to which it belongs. When the stems have reached nearly their full height, the seed or flower spikes appear at the summit. As soon as the first or principal flower spike appears, the stems throw out lateral branches from every joint, these in turn producing leaves and flower spikes. When cultivated for fodder, the seed should be dropped in drills and given plenty of room on account of the peculiar habit of tillering; the fodder is in the best condition for cutting and curing when the stalks are five or six feet high; but, if used for soiling, it might be cut earlier or later, at the convenience of the cultivator; the stumps, sprouting and throwing up a new growth, continue to grow until killed by frosts. Cows, horses, and other farm stock are exceedingly fond of this kind of Millet, eating it with as much avidity and apparent relish as they do the green leaves of Indian corn, and we are inclined to think that it is fully as nutritious. The seed will not mature in the Northern States. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; lb., 50, by mail post-paid; by express or freight, at expense of purchaser, 35 cents per lb.; 10 lbs., \$2.50.



Pearl Millet.

PRICKLY COMFREY.

This plant is specially adapted for the feeding and fattening of stock and for increasing the milk of cows. It is earlier, grows more rapidly and luxuriantly, and produces on a given space a far greater quantity of forage than any other green soiling plant. Being deep rooted, it withstands protracted drought in a remarkable degree, and affords abundance of forage until cut down by severe frost. It is propagated by subdivision of the roots, about 4,000 sets being required for an acre. Descriptive circulars, giving directions for culture, mailed to all applicants.

We will supply roots of the above at the following prices, post-paid by mail: 4 oz., 20 cents; 8 oz., 30; 1 lb., 50. By express, freight paid by purchaser, per lb., 40 cents; 5 lbs., \$1.50.

One pound of the roots will make about one hundred cuttings; they can be cut smaller if desired.

DURRA (*Sorghum vulgare*).

This plant has been offered at various times under the different names of Indian, or Great Millet, Guinea, or Negro Guinea Corn, Chocolate Corn, Ivory Wheat, and Pampas Rice. We consider it right to mention this to prevent misconception. Above we give the botanical name, and that by which it is most generally recognized where the consumption is greatest.

Durra is a valuable forage plant, growing from 8 to 10 feet in height, and yielding an abundance of grayish-green foliage, greatly relished by stock. It is frequently grown for grain, and yields largely. One grower in California reports having harvested as high as 200 bushels per acre.

The culture is very simple; when grown for the grain, it should be planted in hills and given plenty of room; the space given to common corn is not any too much. For fodder, sow in drills from 2 to 3 feet apart, dropping the seeds 3 to 4 inches apart in the drill; when 6 or 8 inches high, thin to about 8 or 9 inches apart; and when it has attained a height of 4 or 5 feet, it may be cut for forage, which can be continued every third or fourth week until frost.

Prices by mail: per oz., 10 cents; lb., 65 cents. By express, at purchaser's expense: 50 cents per lb.

Prickly Comfrey.



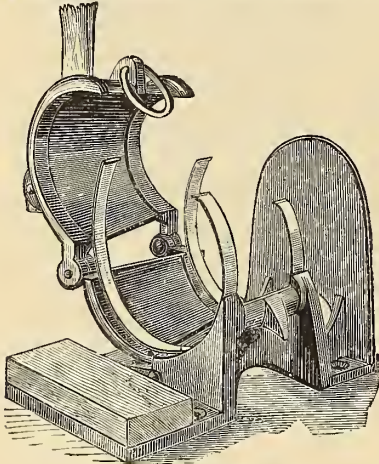
IMPLEMENTS.



HEXAMER'S PRONG HOE.

(Trade Mark.)

This implement subserves the purpose of a hoe and rake. It is an excellent tool for pulverizing the soil between rows of all kinds of growing plants and for rooting up small weeds; and it is a wonderful improvement on Hand Potato Diggers. As the tines are long, small, and strong, they pass through the soil with the application of less force than is required to work the old style of diggers. **Price \$1.50 each; \$15.00 per dozen. Without handles, \$1.40 each.** By mail, post-paid, \$2.00 each.



Asparagus Buncher.

ASPARAGUS BUNCHER.

In offering this Machine to the public, we feel no hesitation in claiming that it is the most simple, compact, durable, and at the same time the most powerful Bunching Machine ever made, and that a child ten or twelve years old can bunch, tie, and prepare for market more Asparagus than a man could by the old process; the bunches being of uniform size and shape, and put up tight enough to prevent falling to pieces in handling; thereby preventing loss, and making for it a more ready sale, as very much depends on condition of its arrival in market as to the prices obtained for it. **Price \$3.50.**

TYING MATERIALS.

Roffea, per lb.....	\$0.75
Cuba Bast, best.....	.75
American, do.....	.40

BATEMAN'S HAND-PLOW.

This is a first-class and very neat all-steel mold-board Hand-plow. The side handle and set for regulating depth make it the most manageable tool of the kind yet introduced. **Price \$2.00.**

COMSTOCK'S GARDENING IMPLEMENTS.

Comstock's Hand Cultivator and Onion Weeder Combined.—In the cultivation of Onions, Carrots, Beets, Parsnips, Ruta Baga, Rice, Spinach, Strawberries, Nursery Stocks, and other small drill crops, this implement will do the work of SIX MEN with hoes. It *pulls the weeds* and thoroughly pulverizes the soil; runs close to the rows, and takes out all the weeds not directly in line with the plants, and throws the earth up to or away from the rows. It is readily adjusted to clean the space between rows from 6 to 15 inches apart at one passage. **Price, \$7.00.**

Comstock's Seed Sower.—\$8.00.

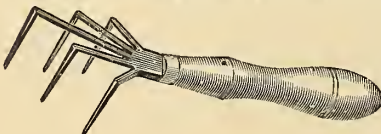
Comstock's Seed Sower, Hand Cultivator and Weeder Combined.—This is a new and perfect small Seed Sower, combined with the Cultivator and Weeder, and can be separated or attached in five minutes. It sows Beet, Parsnip, and other difficult seeds which can be sown with any Seeder, with the greatest regularity, and is especially adapted to sowing Onion at the rate of four, five, or six pounds to the acre. By revolving the disk, which is held in place by a spring, it can be changed instantly to sow thick or thin, without removing the seed from the hopper. **Price \$12.00.**

Hopper and Cover to make a Seed Sower of a Cultivator, \$5.00. Set of two rakes and three teeth to make a Cultivator and Weeder of a Seed Sower, \$3.75. Wheel and Knife to be fixed to the Cultivator to make a Strawberry Runner Cutter, \$2.00. Extra teeth and rakes less than a set, each \$1.00. Verge or Turf Cutter, \$1.25. Mole Plow, 75 cents.

Circulars giving a more complete description of the above, with directions for use and culture of various crops, will be mailed to all applicants.

PATENT EXCELSIOR WEEDING HOOK.

The only instrument that can be used to advantage among small and tender plants. This instrument is warranted to give satisfaction when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is the result desired to be obtained. It removes the weeds with far greater rapidity than in the usual manner, without injuring the plants or soiling the hands, and is in all respects the best, if not the only instrument ever offered to the public for this purpose. **Price, 25 cents; by mail, 30 cents.**



RANDOLPH'S HAND SEED SOWER.

For Sowing all kinds of small Garden Seeds with Accuracy and Dispatch.

It is easily operated by a lady or a child of ordinary intelligence with a little practice. Highly recommended by some of our most experienced gardeners and farmers.

Fig. 1 shows a side view of the implement, with the manner of holding it in the hand, and position of the finger; A, hopper for containing the seeds to be sowed, inside of which is an agitator for discharging the seeds, connected with the lever, D, to be kept in constant motion by the finger while in use; E, earth opener, by means of which a furrow is made for the seed; the removable sides H are perforated with holes of various sizes, adapted for the different varieties of seeds to be sown; B, cover or lid; C, handle; D, finger lever; E, spiral spring, to assist in the operation of the agitator.

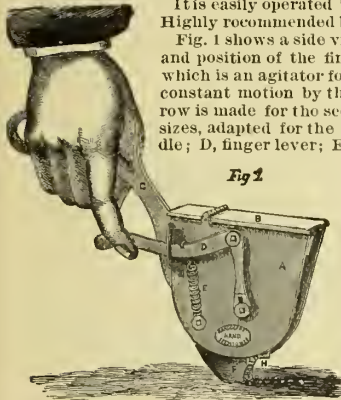


Fig 2

This fruitful source of waste in the ordinary method of planting is entirely remedied by the use of this implement. It is rapid in its action, so that a great saving of time results from its use. Its construction is such that it is impossible to clog it under any proper circumstances.

Being made of metal, it cannot easily be broken, and its construction is so simple that it cannot readily get out of order.

For a more complete description send for Circular.

This Seed Sower can also be furnished with an extended handle, to allow the operator to stand while using it. Price, \$1.50. On account of its length, this pattern cannot be sent by mail.

A liberal discount to the trade or traveling agents.

Its cost is trifling compared with the advantages resulting from its use. The saving in time and seeds will undoubtedly repay the outlay in the planting of a single day.

pay the outlay in the planting of a single day. \$1.25 each. Sent by mail, post-paid, to any address in the United States upon receipt of \$1.50.

RANDOLPH'S FERTILIZER DISTRIBUTOR.

An implement for depositing Fertilizers of all kinds used in hill crops, such as *Corn, Potatoes, Tobacco, Cotton, &c.*



By its use, all kinds of **Phosphates, Bone Dust, Fish and Peruvian Guano, Poudrette, Ashes, Plaster**, and all kinds of **concentrated Fertilizers and Chemical Manures** can be distributed, without the material used coming in contact with the hands.

The manner of using the dropper will be readily understood from an inspection of the cut.

The sack, G, having been filled with the fertilizer, is attached to the person by passing the adjustable strap, E, over the shoulder as shown. The handle, O, of the connecting shoot, S, is then held by the left hand, and the handle, H, of the plunger, J, by the right, unless the person is left-handed, in which case the arrangement is just the reverse, the dropper being adapted for use in either way.

The implement is used after the manner of a cane, it being operated by simply swinging it from hill to hill, no exercise of care or judgment being required other than to select the spots upon which to rest its step, F.

For recommendations, and a more complete description, send for circular. Price, \$5.00 each.

NOYES' HAND WEEDER.

This is a convenient, cheap and useful little implement for clearing away weeds, working between plants, dressing pots, and for other small work, where a large hoe could not easily be used. Price, 40 cents each; by mail, 50 cents.



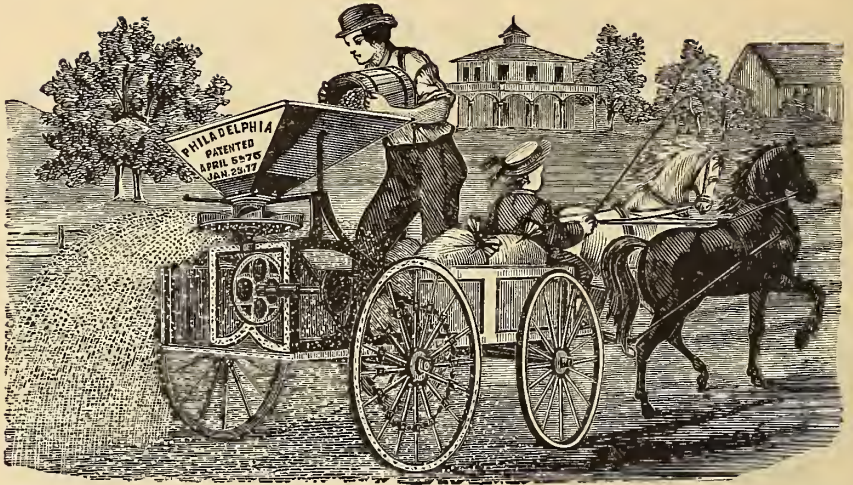
PERRY'S SCARIFIER.

FOR SURFACE AND DEEP SOIL CULTIVATING.

HIGHLY RECOMMENDED AS A THISTLE, QUACK GRASS AND WEED EXTERMINATOR. The NARROW, CHISEL-POINTED TEETH bring Quack Roots to the surface, thoroughly loosening the soil, and preparing it for easy passage of the knife, which cuts and uproots every weed under which it passes. Its adoption will save two-thirds of the present cost of growing Corn, Potatoes, Cotton, Broom-Corn, Root Crops, etc., besides increasing the yield fully one-quarter, by the thorough cultivation its use necessarily gives. Running as close to the row as a hand hoe can be used, it almost does away with this back-aching implement. In planting nursery stock, cuttings, etc., or preparing ground for root crops, when it is necessary to pulverize eight or ten inches deep, this Scarifier will do more and better work in one day than twenty men with garden forks, leaving the ground level, and as light as the most careful forking can make it. Ground thus prepared—and easily kept pulverized by this implement—will not be affected by drouth, and surplus water finds egress below the roots, leaving the surface dry and warm.

Price of Scarifier, complete, \$20.00.

Descriptive Illustrated Circulars mailed to all applicants.



INCREASE THE YIELD BY USING
THE PHILADELPHIA BROADCAST SEED SOWER.

(Patented April 5th, 1875, and January 23d, 1877.)

For Sowing Wheat, Clover, Timothy, Oats, Barley, Rye, Buckwheat, Millet, Rice, Flaxseed, all varieties of Grass Seeds, Bone Dust, Plaster, Poultry Manure, Phosphates and Fertilizers, and Lime.

IN POPULAR USE,

NOT ONLY IN THIS COUNTRY, BUT ALSO IN EUROPE, SOUTH AFRICA, AUSTRALIA, ETC., AND BY ALL CONSIDERED ONE OF THE GREATEST LABOR-SAVING MACHINES INVENTED FOR AGRICULTURAL PURPOSES.

The superiority of this seed sower over all others consists in its uniformity of sowing all kinds of seeds, its easy adjustment to any farmer's wagon, its durability and breadth of cast. At the walking gait of a horse, the No. 1 Machine will sow from twelve to fifteen acres per hour, more uniformly than if sown by hand or any other method; No. 2, or hand machine, sowing from four to six acres.

Its simplicity places it in the lead of all broadcast seed sowers. It can be attached to any ordinary wagon without the slightest damage to it. The farmer can regulate by the gauge at the bottom of the hopper the quantity he wishes to sow per acre.

We also wish to call attention to the fact that this machine does not require the ground to be prepared further than plowing. The harrowing can be done after the sowing. And it is scarcely necessary to state that this machine will sow on ground where no drill could be used.

We especially recommend the No. 1 Machine (No. 2 being too small) for sowing phosphates, bone dust, etc., as may be seen from testimonials received; while costing so little compared with a drill, it sows more effectually and more rapidly.

Taking the capacity of the best drills to be eight to ten acres per day, farmers can judge which is the most economical, when this machine, weighing less than 100 pounds, will sow from twelve to fifteen acres per hour.



No. 2, or Hand Machine. Price \$6.00.

BROADCASTING vs. DRILLING.

The following is the report of Mr. I. Carter, Superintendent of the Eastern Experimental Farm, Pa., on experiments made in seeding wheat for harvest of 1877:

	Lbs. Straw	Bus. Wheat per Acre.
1. Two bushels seeds broadcast (harrowed)	3,332	35.48
2. Two bushels drilled in	2,715	24.04
Difference in favor of our Broadcast	617	11.44

With our No. 1 Machine we can sow the following with uniformity: Wheat, 50 feet; Oats, 40 feet; Barley, 50 feet; Clover, 40 feet; Buckwheat, 50 feet; Timothy, 35 feet; Rye, 50 feet; Orchard Grass, 25 feet. No. 2 or hand, about one-half the above distance.

In conclusion, we would say, we are entirely confident that they will not only do everything claimed for them but even more, and feel fully satisfied that the Philadelphia Broadcast Seed Sower is an indispensable machine to every farmer in the United States.

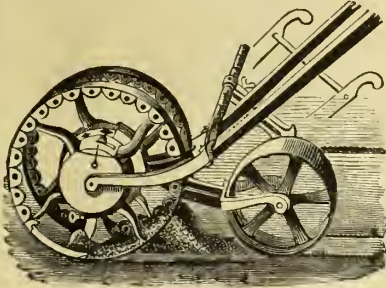
Price, No. 1, or Power Machine, complete with all couplings, etc..... \$30.00
 Price, No. 2, or Hand Machine..... 6.00

For further information, see Illustrated Descriptive Seed Sower Circular, which will be mailed free on application.

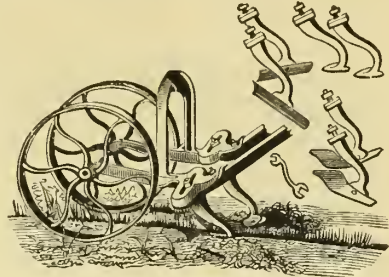
SEED DRILLS AND CULTIVATORS.

PLANET Jr. GARDEN DRILLS, WHEEL HOES, WHEEL CULTIVATORS, HORSE HOES, AND FIREFLY PLOWS.

They have never failed to receive Medals and Awards above all competition. Send for descriptive circulars, showing the combined machine in four different combinations, and giving ample testimonials.



Planet Jr. No. 2 Drill at Work.



Planet Jr. Double Wheel Hoe—1st Hoeing.

THE PLANET JR. COMBINED DRILL, WHEEL HOE, WHEEL CULTIVATOR AND WHEEL PLOW.

Every reader of our Catalogue having a vegetable garden, large or small, should own this delightful labor-saving tool. It sows all garden seeds accurately—opening, covering, rolling down, and marking next row, all at one operation. By removing one bolt it can be quickly made into an admirable garden cultivator, wheel hoe or wheel plow, performing garden work in the best manner possible. As a plow alone it will put the garden in admirable order, and keep it so, its work equaling in quality that of a horse cultivator, besides opening furrows, covering, hilling, &c. Price, \$14.00.

The Planet Jr. No. 2 Drill—No Hoeing Attachment.—The hopper revolves with the carrying wheels, thus avoiding complicated stirring devices, while preventing clogging, and insuring regular dropping. Regularity of depth and evenness of covering are insured by the arrangement of the plow. A good marker, a self-clearing plow, and absence of all gearing and agitators, leave these drills without a rival in durability, simplicity and ease of management. Price, \$12.00.

The Planet Jr. Double Wheel Hoe will do the work of five to ten men with hand hoes among Market, Garden and Root Crops and Small Nursery Stock, and is especially adapted to Onion Culture, etc., finishing most perfectly *both sides of the row at once*. The wheels can be set two, six or ten inches apart. It has *three pairs of hoes, plows and cultivator teeth*, capable of almost every variety of work. It cuts from six to sixteen inches wide, throwing to or from the row as desired. Price, \$10.00.

The Planet Jr. Horse Hoe.—This is the most recent and valuable improvement in Horse Hoes. A wrought iron frame, with tempered and polished steel blades, make it light, strong, easily managed and very durable. Particularly useful in tending Corn, Potatoes, Broom Corn, Cotton, Tobacco, Rice and Roots, in all stages of their growth. The side hoes are reversible, throwing to or from the row as desired, leaving the ground level or ridged, much or little, and saving most of the hoeing. Price, \$12.00.

The Firefly Hoe.—In the Spring of 1879 we sent out our Combined Seed Drill with a new plow. We knew that when rightly used, this plow was a valuable implement, but we were not prepared for the demand they found. Our catalogue reaches nearly every one interested in such goods, and all our old customers who use the Planet Drills, and whenever either the cut or the machine was seen, the Plow was wanted. We had so many orders for the separate tool, that we decided to make our Firefly Plow. We find every one who uses them pleased and surprised, and unsolicited testimonials reach us from every one sold. They are what you needed every time you tended your garden. Price \$4.00.

MATTHEWS' GARDEN SEED DRILL.

The Matthews' Garden Seed Drill is now everywhere acknowledged to be the most perfect and reliable drill in use for planting all kinds of vegetable seeds. It always gives the best satisfaction, and never gets out of order.

Its latest improvement is an *Indicator, with names of different varieties of seeds on it*, which regulates the change from planting one kind of seed to another with ease and accuracy. It is the simplest and best arrangement yet conceived. *No other drill has it.* Price, \$13.00.

Matthews' Hand Cultivator is a most valuable improvement for weeding between row-crops and elsewhere. It spreads from six to fourteen inches, and is so easily operated that a boy can do as much with it as six men with hoes. Price, \$6.50.

Matthews' Combined Drill and Cultivator is a very perfect little implement, and performs the work for which it was designed in a very satisfactory manner. Price, \$15.00.



PLANT STAKES.

For neatness and durability these are the best Plant Stakes made, for supporting such plants as the Tuberose, Fuchsia, Gladiolus, Carnation, etc. The round ones are neatly turned, painted green, and tapering to the top, and have an airy and ornamental appearance. The square ones are of a heavier make, painted green, and though less elegant, are very useful for staking strong plants.

ROUND PLANT STAKES.				SQUARE PLANT STAKES.			
	Each.	Doz.	Hund.		Each.	Doz.	Hund.
2 feet long	\$0.03	\$0.30	\$2.00	2 feet long	\$0.04	\$0.40	\$2.50
3 " .....	.05	.50	4.00	3 " .....	.06	.60	4.00
4 " .....	.08	.70	6.00	4 " .....	.07	.70	5.00
5 " .....	.10	1.00	7.00	5 " .....	.08	.80	6.00
6 " .....	.15	1.50	10.00	6 " .....	.10	1.10	8.00

PLANT AND TREE LABELS (Wood).

	Hund.	Thous.
Pot or Plant, 4 inches long	\$0.20	\$1.25
Pot or Plant, 4½ inches long .....	.25	1.40
Pot or Plant, 5½ inches long .....	.30	1.75
Pot or Plant, 6 inches long .....	.30	2.00
Garden or Nursery, 12 inches long .....	.75	6.00
Tree, notched or pierced, 4 inches long .....	.20	1.25

WOLFF'S MARKING INK PENCILS.—Black, Blue, or Red.—The cheapest made for producing an indelible mark upon wood labels for garden purposes. Price 20 cents each.



FOR GARDEN, GREENHOUSE, AND OTHER PURPOSES.

These tags will be found far more economical than the common wooden ones, and are a useful and neat appendage to Plants, Trees, &c. The ink, when used with a clean quill or other pen, marks a jet black, and weather or time has no effect on the writing. The marking may be erased by Emery paper, and the name on the tag changed as may be desired. Tags (in four sizes), 10, 15, 20, and 30 cents per dozen. Ink, 35 cents per bottle. Boxes containing 4 dozen Tags, 1 dozen each size, a pen, 1 bottle of ink, 3 dozen plated wires, and emery paper. Price \$1.00.

Either size Tag may be had separate, by the gross, hundred, or thousand.

Galvanized Wire Verbena Pins.—Largely used for pegging down Verbenas, &c.; also for layering Carnations, Picotees, &c. Per box (1 gross), \$1.00.

PATENT INSOLUBLE METALLIC CARD LABELS,

FOR ROSE TREES, FRUIT TREES, SHRUBS, &c.

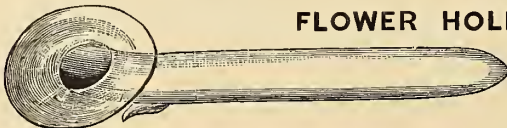
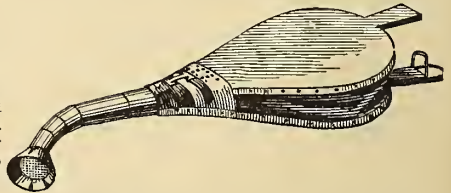
These Labels are insoluble in water of any temperature. They can be written upon with any good ordinary black ink (do not use copying ink, as it spreads when exposed to rain), such writing, even after long exposure to the weather, being clear and distinct. They may be used either as a tree or suspending label, or for insertion in the soil. When ordering, state for which purpose intended. Price \$1.25 per hundred.

Waterproof Twine, for using with the above or other labels, in packets of 100 ties. Thin, per pkt., 35 cents; thick, per pkt., 40 cents.

SULPHUR BELLOWS.

Or Floral and Vintage Flour of Sulphur Duster.

For the EXTERMINATION OF BUGS, WORMS, and all INSECTS; likewise MILDEW UPON GRAPE VINES. By the use of this implement the Flour of Sulphur can be evenly distributed over every part of the affected plant. Price, \$2.50.

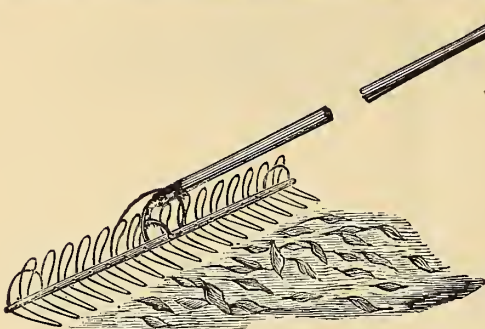


FLOWER HOLDER.

A very simple contrivance, which can be used for button-hole bouquets, or ladies' head-dresses. Price, 10 cts. each. \$1.00 per dozen by mail.

THE DAVIS LAWN RAKE.

Made in the most thorough manner, of the best material, best quality of Spring Steel Teeth.



Patented Dec. 17, 1878.

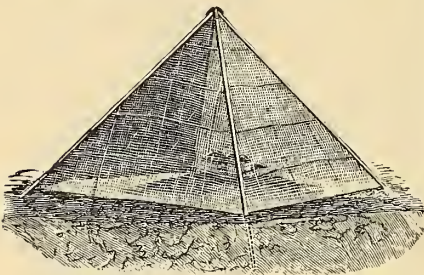
It requires many years of great care to produce a fine Lawn, which may be injured and perhaps ruined in a short time by using common rakes. Price, \$1.00.

A PERFECT IMPLEMENT FOR CLEANING LAWNS FROM LEAVES, GRASS, AND ALL KINDS OF RUBBISH, AND THE ONLY ONE THAT WILL DO IT WITHOUT INJURING THE GRASS AND ROOTS.

Will level and prepare a garden bed for the seed better and quicker than any other tool. Will clean a race track perfectly. Just the thing for ladies wishing open air exercise. A man with one will do the work of six or eight men in a superior manner. The work is light and easy, as the rake is drawn over the ground instead of being carried. *Landscape gardeners will use no other after trying this.* Grass will grow faster and look much better after being combed a few times with the Rake.

BATES'S FOLDING PLANT PROTECTOR.

This simple arrangement not only protects from bugs, borers, and fowl, but subdues all violence of wind, rain, and cold; keeping off light frosts, and facilitating the growth of young plants in a wonderful degree. Adding to all this their durability, portability, and cheapness, the purchaser will find he has made a good investment. They fold like an umbrella, and one dozen will make a package four inches square and twenty-two inches long. When open they cover nineteen inches square. With fair usage they will last ten years, for they are made of durable netting, firmly fastened between two closely fitting pieces of wood, with tinued tacks securely clenched. Price, 15 cents each; \$1.50 per dozen.

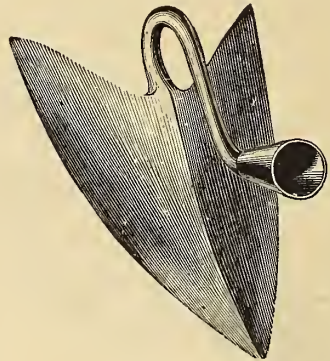


Plant Protector.

REVOLVING LAWN AND GARDEN SPRINKLER.

The "Perfection" is warranted by the inventors to accomplish as much as any sprinkler in the market, at the same pressure. Its superiority is shown by its simplicity, ease with which it can be cleared of any obstructions, and effectiveness while working in a strong wind. The circle watered can be reduced to any desired size by turning the supply partly off. By its simple construction, it can be used with equal facility on hill-side or terrace. In connection with a force-pump, it can be used with good effect in green-houses, hot-beds, etc. The bearings and working parts are made of brass, and it is complete in itself; has only to be screwed to the hose, and the pin stuck in the ground to be used.

Price, \$1.25. By mail, \$1.40.

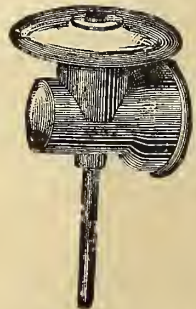


Warren Hoe.

THE WARREN HOE.

It is perfectly adapted for Field, Nursery, or Garden, and is superior to any other Hoe at all work for which a hoe is intended. They are made of solid cast-steel, and warranted not to break with fair usage. No farmer or gardener can afford to do without them and spend their time and strength on the old Hoe.

Prices.—No. 1, Ladies' and Garden Hoe, \$1.00 each; No. 2, Garden and Field Hoe, \$1.25 each; No. 3, Field Hoe, \$1.25 each.



Perfection Sprinkler.

WATERS'S IMPROVED TREE-PRUNER.



The Waters Improved Tree-Pruner is by far the best instrument for the purpose in view that has yet been invented.

The following are some of its advantages:

First.—The peculiar construction of the hook that encircles the limb, the support of the blade being upon both sides, which is very important, allowing the blade to be made very thin, thereby reducing the resistance of the wood, and making an easier and smoother cut than any other device.

Second.—The knife being connected by a rod, the pole may be of any desired length, thus requiring no ladder or climbing.

Third.—The small space required for working the knife allows it to be used among close, dense branches, where great difficulty is found in using the old-fashioned shears.

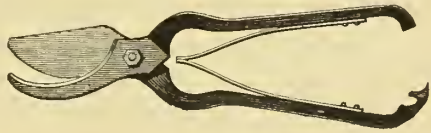
For pruning Raspberry, Blackberry, and Rose Bushes it has proved peculiarly serviceable.

For removing worms' nests, and thinning out fruits, it is very desirable, and can be used as a fruit-picker.

Length of pole, 4 feet; weight, 2 1/4 lbs.	.....	\$2.00
" " " 6 " " 2 3/4 "	.....	2.25
" " " 8 " " 3 1/2 "	.....	2.50
" " " 10 " " 4 3/4 "	.....	2.75
Extra Knives, each	.....	0.30
Extra Knives, per dozen	.....	3.50

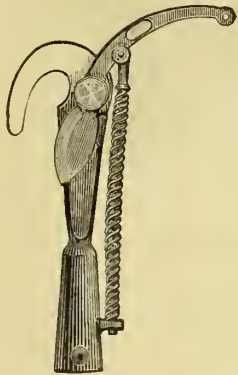
AMERICAN PRUNING SHEARS.

Wiss American Pruning Shear will be found the most desirable as well as most durable made. In four sizes: 7 1/2 in., \$1.75; 8 in., \$2.00; 8 1/2 in., \$2.25; 9 in., \$2.50.



WISS TREE-PRUNING SHEARS.

These shears are attached to a pole, and operated by means of lever, moved by a cord and pulley. It enables a person standing on the ground to prune trees, some of the branches of which could not, perhaps, be as well pruned by any other instrument. Branches of one inch and a half in diameter may be easily cut off with this instrument. Price, without handle, \$2.50; by mail, \$3.00.



BAUMANN'S TREE-PRUNING SHEARS.

These shears are attached to a pole, and operated by means of lever, moved by a cord. It enables a person standing on the ground to prune trees, some of the branches of which could not, perhaps, be as well pruned by any other instrument. Branches of one inch and a half in diameter may be easily cut off with this instrument. Price, \$3.00, without handle; by mail, \$3.50.

THE O. G. PRUNER.

Baumann's Tree-Pruning Shears.

This is an improved hand-pruner of the French pattern, but English make. They are strong and durable, and make a clean cut. We have three sizes, 6, 7, and 8 in., which we offer at \$1.75, \$2.25, \$2.50; by mail, 25 cents each extra.

THE EUREKA FUMIGATOR.

In this article we offer an effectual apparatus for the fumigating of greenhouses, etc., doing away with the necessity of being smoked almost to death by the old mode, as it required constant attention to prevent the tobacco-stems from burning to a blaze, and destroying the plants in getting rid of the pests that infest them.



This Apparatus is of simple construction, and not liable to get out of order. When once lit, it is self-acting, and may be left in the house with perfect safety, as flaring or setting anything on fire is an impossibility, while all the material is completely consumed without waste, and given off in a dense smoke, filling a house in a short time, thus insuring the entire destruction of insect life.

It can be used for fumigating Greenhouses, Conservatories, Pits, Frames, Hospitals, Ships, Poultry-houses, etc.; for destroying Vermin or Purifying Rooms. Directions for use sent with each machine.

No. 1. Height 12 in., diameter at top, 5 in.; suitable for a small greenhouse.	.....	Price, \$2.00
Holds 1/2 peck of stems	.....
No. 2. Height 16 in., diameter at top, 7 in.; suitable for a medium sized greenhouse.	.....	3.00
Holds 1 peck of stems	.....
No. 3. Height 20 in., diameter at top, 9 in.; suitable for a large greenhouse.	.....	4.00
Holds 1/2 bushel of stems	.....
No. 3. Made of extra heavy iron, galvanized, will be found very durable.	.....	5.00
No. 4. Height 24 in., diameter at top, 12 in. Holds 3/4 bushels of stems.	.....	8.00
No. 4. Made of extra heavy iron, galvanized, will be found very durable.	.....	10.00



[Trade Mark.]

IMPERIAL EGG FOOD.

**For all Varieties of Poultry: Laying Hens, Young Chicks, Ducks, and Turkeys.
WILL MAKE YOUR HENS LAY.**

From all parts of the country, evidence of the remarkable properties of IMPERIAL EGG FOOD has been received. The condition of the fowls is so improved, and egg production so increased, in winter as well as summer, that poultry become the most profitable stock on the farm. It is estimated that one-half the chicks and turkeys annually hatched die before reaching maturity. When the IMPERIAL EGG FOOD is fed according to directions, sick and drooping chicks will never be seen. It supplies all the needed material for forming bone, muscle, and feathers, and, by its gentle tonic effect, strengthens the digestive organs and lays the foundation for vigorous, healthy, and therefore profitable, fowls. They will also be fitted for market a month earlier than by common treatment. Prices, per mail, 50 cents and \$1.00 per package. Per express, 50 cents per lb.; 2½ lbs. for \$1.00; 6 lbs. for \$2.00; 25 lb. kegs for \$6.25.

FOR THE DESTRUCTION OF INSECTS, Etc.

HORACE'S TOBACCO AND HELLEBORE INSECTICIDE.

In Patent Bellows Box, for Rose Bugs, Aphs, and Plant-Infecting Insects.

HORACE'S PERSIAN INSECT POWDER.

In Patent Bellows Box, for Ants, Croton Bugs, Bed-Bugs, Fleas, and Lice on Animals and Household Pests.

These Powders have both a well-established reputation as being very effective and as non-poisonous to animal life. Their efficiency depending largely on being applied in fine dust, the very durable Bellows will be found a most useful and effective addition. It may be refilled.

Price, complete, 25 cents each; \$2.25 per dozen.



Jacques' Sapo Tabacum, or Tobacco Soap.—A universal remedy for the pests of the gardens and nurseries, etc. The most convenient, cheap, and potent specific for the destruction of insects, parasites, and their eggs, infesting plants. Also, an efficient specific for the destruction of ticks and other parasitic vermin on sheep and domesticated animals. **Price, 40 cents per lb.; five pounds for \$1.75. By mail, 16 cents per pound extra.**

Gishurst Compound.—An English preparation, highly recommended for preventing and destroying RED SPIDERS, SCALE, MEALY BUG, THRIP, GREEN AND BROWN FLY, etc.; also, for winter dressing and washing walls, frames and sashes of greenhouses. **Price, per box, \$1.00; by mail, \$1.20.**

Whale Oil Soap.—For preserving Plants, Flowering Shrubs, Vines, and particularly Rose Bushes from the destructive effects of Slugs, Grub Worms, etc. **2 lbs., 35 cents; 5 lbs., 80 cents; 10 lbs., \$1.50. By mail, 16 cents per lb. extra. Tin Syringes, for applying the above, \$1.00; Brass Syringes, \$2.00 to \$9.00.**

SELF-HEATING SOLDERING IRON.



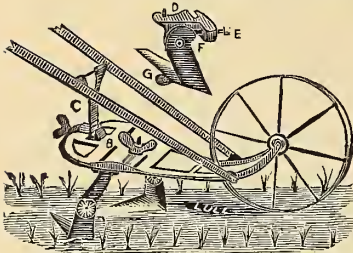
Every housekeeper should have a Gem Soldering Casket, as it contains all the implements necessary to make every person their own tinsmith. An economical person can see at a glance that from ten to twenty-five cents can be saved, and the annoyance of leaving their house (just when in want of using a vessel they have discovered that it leaks) to find a tinsmith, perhaps on a roof, or too busy just then to attend to jobbing; it may be that his fire is out, and it would cause him time and trouble for so small a job; hence the Gem comes in play, and its value is unprecedented in every household. This little Gem pays for itself in soldering one dozen fruit cans, and does away with the inconvenience of carrying cans full of hot fruit or vegetables to the tinsmith's to have them soldered, or the annoyance of waiting for the tinsmith to come to the house and solder up the cans. It is also very useful in opening fruit cans, as it will open them instantly, by simply heating the iron and rubbing it over the soldered top, and therefore preserving the can for future use. The Casket contains a Self-Heating Soldering Iron, Scraper for cleaning place to be soldered, a Bar of Solder, and a Bottle of Soldering Salts. Where there is no gas the iron can be heated in the stove. **Price, \$1.00. By mail, \$1.16.**

LADIES' AND CHILDREN'S GARDEN TOOLS.

A set of useful implements, comprising a Rake, Hoe, Fork, and Spade. Small size, 75 cents; by mail, post-paid, 90 cents. Large size, \$1.00; by mail, post-paid, \$1.25.

RUHLMAN'S HAND CULTIVATOR.

The Latest and Best Garden Weeder in Use, and is the Cheapest Hoe ever offered to the Public. One Man can do as much Work as Five Men without it. It can be set from 7 to 16 inches in width, and is warranted to work to Perfection.



or tenderest plant, which no other Cultivator can do. It will do the work of six men with a common hoe. The Machine weighs only about 35 pounds, and packs closely. Price \$5.50, delivered to Express Company or on board cars.

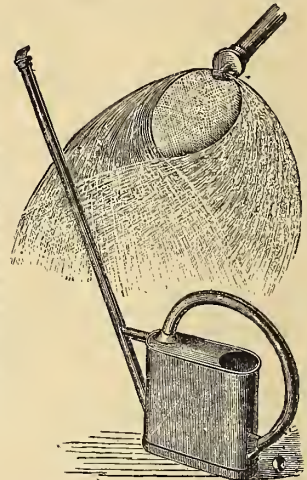
This superior implement embraces the four essential points requisite for a successful hand cultivator, viz.: *durability, simplicity of construction, thoroughness in work, and perfection as a plant protector.* It is especially adapted to the culture of all garden crops (*particularly onions*) and nursery stock that require careful hand cultivation in the early stages of their growth.

It is easily regulated by set screws, as to the depth of hoeing, the pitch of the knife blades and height of handles. It is easily worked, and does its work with a thoroughness that will satisfy all who try it.

The Frame and Wheel are made of the best cast iron. The Knives are the best cast steel. They cut the weeds only on the inside of the knife, so that any person can walk along within one-half an inch without injuring the smallest

FRENCH WATERING POT.

The engraving shows the form of the pot, which is made of the best galvanized iron and is very durable. It will be seen that it has a very long spout and the round and properly placed handle, which is a great improvement. With a handle of this kind the hand can be placed at just the right point for the implement to balance, and there is none of the strain upon the wrist that is demanded by the ordinary form. A column of water of the length of the spout when allowed to flow comes out with no little force. As the stream of water issues from the nozzle it is intercepted by a flange, which is cast in brass of a peculiar shape, with the effect to break the stream into the thinnest possible sheet of water, of a most beautifully curved form. At the upper part of the engraving the form of the discharge of water is shown, as well as that of the flange which produces the effect. It will be seen that the water is dispersed over a broad space, and its force is so far counteracted and its spread so exceedingly thin that it can be allowed to fall upon small and delicate plants without injury.



1 gallon.....	Price.....	\$2.50
2 ".....		3.00
3 ".....		3.75

RUSTIC HANGING BASKETS, SETTEES AND CHAIRS.

A large stock of various patterns, oval and round, together with a great variety of other rustic work constantly on hand.



Rustic Hanging Baskets, bowl 8 inches in diameter.....	Each.....	\$1.25
Rustic Hanging Baskets, " 9 " " ".....		1.50
Rustic Hanging Baskets, " 11 " " ".....		1.75
Rustic Hanging Baskets, " 13 " " ".....		2.25
Settee for Piazza, extreme length, 7 feet, \$30.00. 5 feet.....		20.00
Settees for Lawns, red cedar, with the bark, 5 feet.....		13.00
Larger sizes, built to order, \$2.00 to \$3.00 per foot extra.		
Chairs of Various Patterns, from.....	\$5.00 to	10.00
Lawn Settee, red cedar, with the bark.....		15.00
Lawn Chairs, " " " ".....	\$5.00 to	7.00
Croquet Chair, " " " ".....		4.50
Lawn Vase, round 16-inch tub; 3 feet high.....		7.00
Lawn Vase, square 18-inch box; 3 feet high.....		10.00

RUSTIC WINDOW BOXES.

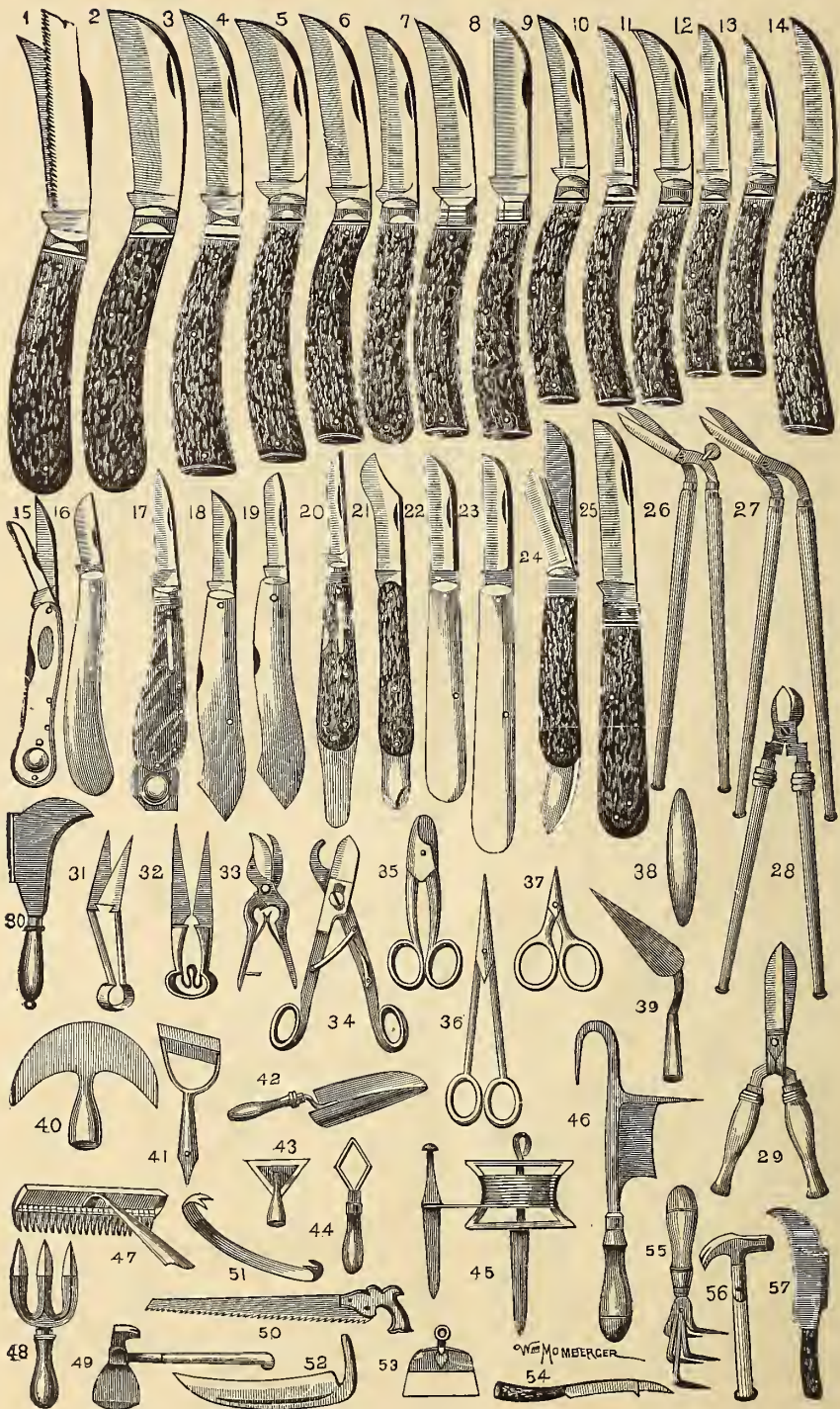
The above will be found very ornamental, as well as useful for growing Bulbs and Plants of all kinds, either inside or outside the window. They can be made of any size that may be required.

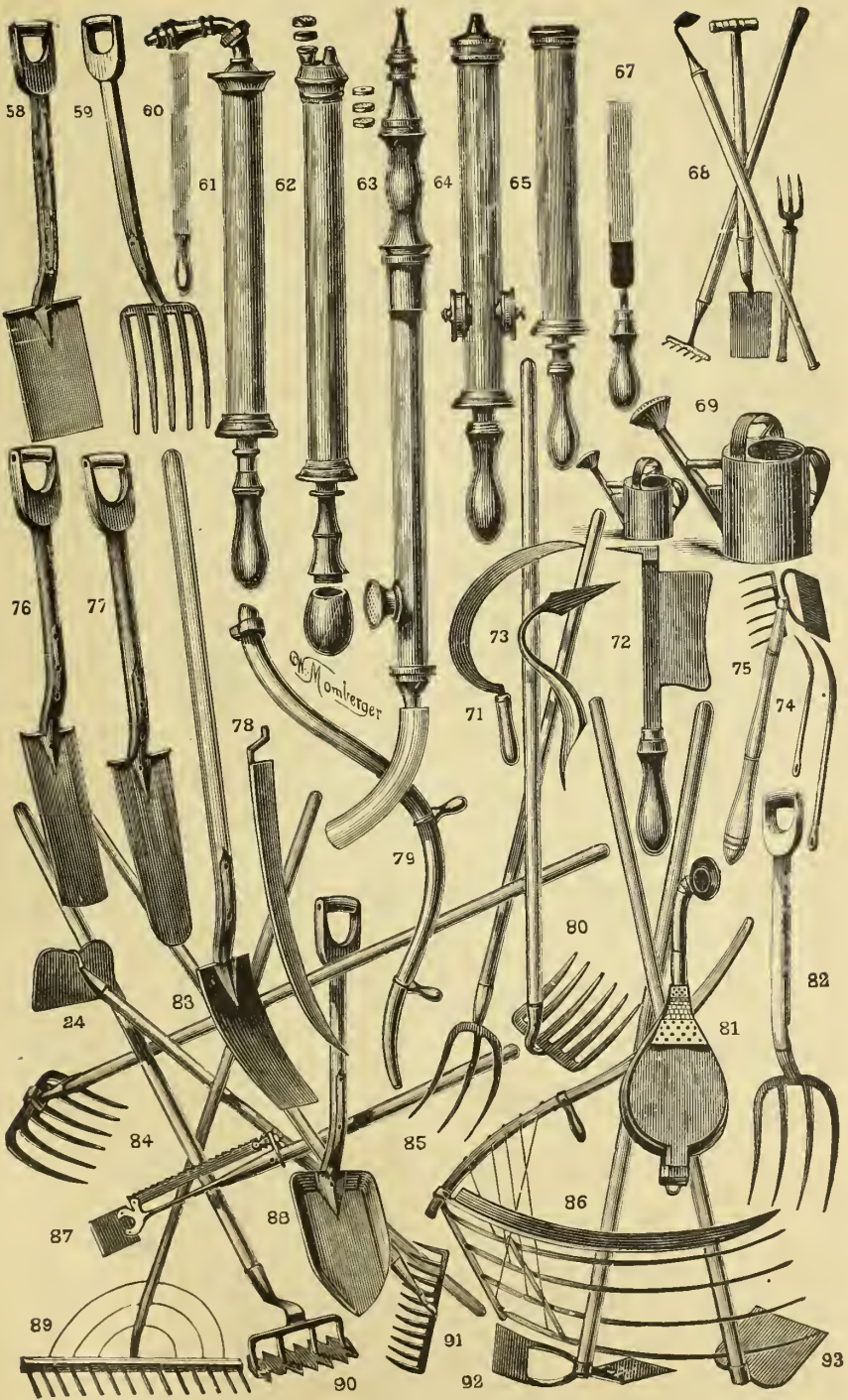
No. 1, per lineal foot.....	\$2.25
No. 2, " ".....	2.00

GARDEN AND HORTICULTURAL IMPLEMENTS.

From the Best English and American Manufacturers. See Illustrations on pages 126 & 127.

No.		Price.
1	Pruning Knife, with saw (Saynor's).....	\$1.75
2	Pruning Knives.—(Saynor's) \$1.25; No. 3, \$1.25; No. 4, \$1.25; No. 5, \$1.00; No. 6, 75 cents; No. 7, \$1.25; No. 8, \$1.25; No. 9, \$1.25; No. 10, \$1.75; No. 11, \$1.00; No. 12, \$1.00; No. 13, \$1.00; No. 14, \$1.00; No. 25, 75 cents.	
15	Budding Knives.—(Saynor's) No. 15, \$2.00; No. 16, \$1.25; No. 17, \$1.25; No. 18, \$1.00; No. 19, \$1.00; No. 20, \$1.75; No. 21, \$1.75; No. 22, \$1.25; No. 23, \$1.25; No. 24, \$2.00.	
	Pruning and Budding Knives of similar patterns, from other manufacturers....	\$0.75 to 1.50
26	Border or Grass Shears, with wheel, 8-inch, \$2.50; 9-inch, \$3.00; 10-inch, \$3.50.	
27	Border Shears, 8-inch, \$2.00; 9-inch, \$2.50; 10-inch, \$3.00.	
28	Branch or Lopping Pruning Shears, three sizes, \$2.00, \$3.00 and \$4.00.	
29	Hedge and Garden Shears, 5½-inch (ladies), \$1.50; 8-inch, \$1.25; 9-inch, \$1.50; 10-inch, \$2.00; 12-inch; \$3.00; notched, 25 cents extra.	
30	Garden Bill Hooks, for pruning with one hand.....	1.50 to 2.00
31	Spring Grass Shears, for edging.....	1.25
32	Sheep Shears, for edgings.....	1.25
33	French Pruning Shears, with springs, various sizes, styles and finish, page 122..	2.50 to 4.25
34	Bow Slide Pruning Shears, 7-inch.....	3.00
35	Pruning Scissors, with bows, three sizes, \$1.00, \$1.25 and \$1.50.	
36	Grape Scissors, 6-inch, \$1.00; 7-inch, \$1.25.	
37	Propagating Scissors.....	1.25
38	Scotch Scythe Stones, 25 cents each; \$2.50 per dozen.	
39	Bayonet Hoe, without handle.....	.75
40	Grass Plot Edging Knives, cast steel (Saynor's), 8-inch, \$1.25; 9-inch, \$1.50; 10-inch, \$2.00.	
41	Dutch or Scuffle Hoes (Saynor's), 4-inch, 35 cents; 5-inch, 45; 6-inch, 55; 7-inch, 60; 8-inch, 70; 9-inch, 80; 10-inch, 90.	
42	English Transplanting Trowels, blued steel, 6-inch, 75 cents; 7-inch, \$1.00; 8-inch, \$1.25.	
	Similar pattern of American manufacture, 6-inch, 25 cents; 7-inch, 35; 8-inch, 50.	
43	Triangular Hoes, used also for Tree Scrapers, 5-inch, 50 cents; 6-inch, 60; 7-inch, 75.	
44	Noyes' Garden Weeder.....	.40
45	Garden Reels, with stakes; English, 8-inch, \$1.00; 10-inch, \$1.25.	
	Similar patterns of American manufacture.....	.75 to 1.25
47	English Lawn Rakes, 16-inch, \$2.50; 20-inch, \$3.00; 24-inch, \$3.50.	
48	Ladies' Blue Weeding Forks, English.....	.75
	Similar pattern of American manufacture.....	.40 to .50
49	Claw Hatchets.....	1.25
50	Pruning Saws, 14-inch, 75 cents; 16-inch, \$1.00; 18-inch, \$1.25; 20-inch, \$1.50.	
51	Comstock's Weeding Hook.....	.50
52	English Lawn Scythes.....	1.25 to 2.00
53	English Turnip Hoes, 6-inch.....	.50
54	Asparagus Knife.....	.75
55	Excelsior Weeding Hook.....	.30
56	Garden Hammers.....	1.00
58	Ames' Cast Steel Spades.....	1.50
59, 82	Spading and Manure Forks, cast steel.....	1.00 to 2.25
60	Rifle for Sharpening Scythes.....	.25
61	Brass Syringe, \$7.50; No. 62, \$7.00; No. 64, \$7.00 and \$4.25; No. 65, \$2.75; unpolished, \$2.50 and \$2.00.	
63	Fountain Pump, brass, with three feet of hose.....	9.00
67	Asparagus Cutter.....	1.00
68	Ladies' and Children's Garden Sets (4 pieces), according to size and finish, \$1.25, \$2.00, and \$3.50.	
69	Tin Water Pots, painted green, from 2 to 16 quarts.....	.25 to 3.00
71	Grass Hooks or Sickles, English, three sizes, 50 cents, 75, and \$1.00.	
72	Grafting Chisel.....	1.00
74	Sacking Needles.....	.20 to .25
75	Ladies' Floral Rake and Hoe.....	.25
76	Post Hole Spade, Ames' Cast Steel.....	1.75
77	Draining Spade, cast steel.....	1.75
78	Scythes of various patterns and manufactures.....	1.00 to 2.00
79	Scythe Snaths of various patterns.....	.75 to 1.50
80	Cast Steel Potato Hooks or Prong Hoes.....	1.00
81	Sulphur Bellows, for preventing mildew, see page 124	1.50 to 2.50
83	Spades and Shovels, long handles, Ames' and others.....	1.25 to 2.00
84	Hexamer's Prong Hoe, see page 114.....	1.50
85	Hay or Manure Forks.....	.50 to 1.50
86	Grain Cradles.....	3.50 to 5.50
87	Pruning Saw and Chisel combined.....	2.00
88	Ames' Round Point Shovel.....	1.50
89	Wooden Rakes, of various patterns and sizes.....	.50 to .75
90	Allen's Weeding Hoe, different sizes.....	1.00 to 1.75
91	Steel Garden Rakes, 6 teeth, 50 cents; 8 teeth, 70; 10 teeth, 80; 12 teeth, 90; 14 teeth, \$1.00; 16 teeth, \$1.25; 20 teeth, \$1.50.	
92	Weeding Hoe, old pattern.....	1.00
93, 94	Garden Hoes, cast steel, various sizes and patterns.....	.50 to .75





CROPS AND THE COMPLETE MANURES ADAPTED FOR THE SAME.

The following well-known manures have been in successful practical use among many of the most noted truck, fruit, and special crop growers, and are now employed, particularly among farmers in Long Island, Connecticut, and New Jersey, by many **exclusively in place of purchased stable manure**. Among the advantages the Mapes Complete Manures possess over purchased stable manure are: *saving in cost and labor in hauling and application to the crop; greater certainty of effects*, especially during seasons of drought; promoting *healthier growth, earlier maturity*, and producing vegetables of *better quality*. They

RESTORE WORN-OUT LANDS AND ADD TO THE PERMANENT FERTILITY

of the soil, as is abundantly shown by the testimony of practical growers who have used them for *six successive seasons* on the same land.

The analyses and reports on the "valuations" of these manures—published during the past year by the **New Jersey Agricultural Station**, the **Connecticut Agricultural Station**, and others—show these manures to be **fully maintained in standard**, and to be *the cheapest of all fertilizers* known in the market.

If the fertilizers be used in connection with stable manure, then reduce quantities one-half.

Irish Potatoes, Sweet Potatoes.—Use **The Mapes Potato Manure**; 3 bags per acre; price per bag (200 lbs.), \$5.10; per ton, \$51.00.

Asparagus.—Use **The Mapes Asparagus Manure**, for new beds, 5 to 6 bags per acre; renovating old beds, 3 to 5 bags per acre. Price per bag, \$5.20; per ton, \$52.00.

Cabbages (early and late), **Cauliflowers.**—Use **The Mapes Cabbage and Cauliflower Manure**; 3 to 5 bags per acre. Price per bag (200 lbs.), \$4.90; per ton, \$49.00.

Tomatoes, Radishes, Cucumbers, Beets, Carrots, Melons, Spinach, Early Spinach, Onions, Early Cabbages, Kale, Celery, Egg Plants, Lima Beans.—Use **The Mapes Complete Manure**, for light soils; 4 to 8 bags per acre. Price per bag, \$5.40; per ton, \$54.00.

Peas (green), **Turnips** (late), **Beans** (green), **Peanuts.**—Use **The Mapes "A" Brand**; 3 to 5 bags per acre. Price per bag, \$4.20; per ton, \$42.00.

Corn (early, sweet, and field), **Fodder Corn.**—Use **The Mapes Corn Manure**; 3 bags per acre. Price per bag, \$5.00; per ton, \$50.00. For use in hills take the "A" Brand.

Fruit Trees (bearing), **Grape Vines** (bearing).—Use **The Mapes Fruit and Vine Manure**; 1 bag to about 4,000 square feet. Price per bag, \$3.70; per ton, \$37.00.

Young Fruit Trees, Nursery Stock, Peach Trees.—Use **The Mapes Orange-Tree Manure**; 1 bag to about 4,000 square feet. Price per bag, \$4.20; per ton, \$42.00.

Tobacco.—Use **The Mapes Tobacco Manure** ("Connecticut Brand"); 3 to 10 bags per acre. Price per bag, \$5.40; per ton, \$54.00.

Grass (top dressing), **Grain Crops** (top dressing in Spring).—In early Spring use **The Mapes Grass and Grain Spring Top Dressing**; 1 to 3 bags per acre. Price per bag, \$5.20; per ton, \$52.00.

Lawns, Croquet Grounds, etc.—In early Spring use **The Mapes Lawn Top Dressing** (half strength); 2 to 4 bags per acre. Price per bag, \$3.50; per ton, \$35.00.

See pamphlet for Manures for Field Beets, Mangolds, Hops, Sugar Cane, Orange-Trees (for setting out young trees and bearing orchards), Fodder Corn, Strawberries (setting out beds and dressing old beds), Tobacco (fertilizer for use in connection with tobacco stems), also for fertilizers and chemicals adapted for preparing home-made manures and composts.

These Manures are sold by the ton or bag, delivered **free on board cars or boat** at New York at the above prices. Cash with order.

Each bag is plainly branded, and also has a tag attached, **giving analysis, directions for use**, etc. Send postal for descriptive pamphlet.

PRICES OF PURE GROUND BONE, PREPARED GROUND FISH, PERUVIAN GUANO, CHEMICALS, ETC.

	Price per ton.	Per bag of 200 lbs.
Mapes's Pure Ground Bone (medium).....	\$38.00	\$3.80
Mapes's Pure Ground Bone (fine).....	40.00	4.00
Mapes's Pure Ground Bone, meal and extra fine	43.00	4.30
Mapes's Pure Fine (raw) Bone (dissolved)	42.00	4.20
Mapes's Dried Ground Fish (with phosphoric acid and potash added).....	42.00	4.20
No. 1 Peruvian Guano—Lobos (supply and price too uncertain to quote).....	..	..
No. 1 Peruvian Guano, guaranteed.....	60.00	..
German Potash Salts, Kamit.....	15.00	..
Muriate of Potash, 80%.....	42.00	..
Land Plaster, per barrel.....	..	1.25

SPECIAL MANURES for HOUSE or GARDEN PLANTS.

By mail, 16c. per pound, extra.

Lawson's Phospho-Guano.—Prepared and put up in canisters for horticultural purposes. Of this manure Prof. Liebig speaks as follows: "I can say with confidence that I never had in hand a better sort of artificial manure, far superior in quality, also in its efficacy, to the best Peruvian Guano."

Dr. Voelckler says: "I am of the opinion that Phospho-Guano is a uniformly prepared, highly concentrated and a more generally useful manure than Peruvian Guano." This article has been thoroughly tested in various localities in this country for several years past, and has given great satisfaction. It is particularly valuable for the Flower Border, and for city lots, and all other places where there is difficulty in obtaining stable manure. One lb. canisters, 30 cents; 2 lbs., 50 cents; 4 lbs., \$1.00; 7 lbs., \$1.50.

Standen's Gardener's and Amateur's Friend.—A HIGHLY CONCENTRATED COMPOUND.—One of the richest fertilizing agents known; the volatile principles being chemically fixed, the compound is thereby rendered perfectly inodorous, and may, in consequence, be freely used in conservatory and parlor. Has been highly extolled as being the most safe and valuable fertilizer for all kinds of greenhouse plants, having none of the injurious effects of guano when used in too large quantities. Canisters of 1½ lbs., 60 cents; 3½ lbs., \$1.00.

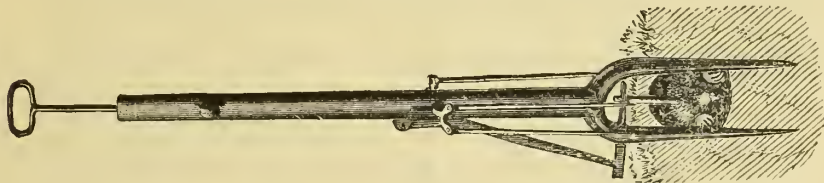
Carter's Fertilizer.—This is specially prepared for gardeners and amateurs; it possesses remarkably stimulating properties in superinducing a quick, healthy and vigorous growth in whatever it is applied to in the way of greenhouse or garden plants. Per canister of 3 lbs., 75 cents.

Prepared Bone Flour.—This is one of the most useful of all fertilizers for **Pot Plants**, such as **Roses, Geraniums, Heliotropes, Salvias**, etc., etc., also may be used as top-dressing for all kinds of **House Plants** when planted out into the flower border during the Summer. In boxes of about 2 lbs. each, 35 cents.

Bliss's Plant Food.—A HIGHLY CONCENTRATED COMPOUND.—One of the richest fertilizing agents known; the volatile principles being chemically fixed, the compound is thereby rendered perfectly inodorous, and may, in consequence, be freely used in conservatory and parlor. A safe and valuable fertilizer for all kinds of greenhouse plants, having none of the injurious effects of guano when used in too large quantities. Per package, 1 lb., 25 cents; 5 lbs., \$1.00.

Peruvian Guano, in boxes, 25 and 50 cents.

Cocoa Fibre Refuse.—One of the most valuable materials for mixing with soil for plants, either in beds or in pots, and a most excellent substitute for leaf mold or peat. Plants of all kinds thrive in it with the greatest luxuriance. **50 cents per peck; \$1.50 per bushel, in bags or bbls.**



THE ISBELL MOLE TRAP.

IT NEVER FAILS.

Having been thoroughly convinced of the pressing need of some device for catching and destroying the under-ground mole which is overrunning cemeteries, parks, lawns, and gardens, no labor, experiment or expense has been spared in inventing and perfecting a trap which we do not hesitate to say will effectually meet the demand.

It is acknowledged by all who have given it a trial as the best device ever invented for the purpose. When properly set it never allows the mole to escape, and no skill is required in setting it.

Nothing but a small wooden pin is visible in the track, which the mole is sure to run against, the slightest touch springing the trap, which never fails to catch and kill the mole. Price, \$2.00 each.

TROWBRIDGE'S GRAFTING WAX.

OF FIRST QUALITY.

Put up in convenient rolls for use, of 1, ½, and ¼ pounds. This has been in use for a number of years, and is highly recommended. Price, 40 cents per lb.; ¼ lb. packages, 15 cents. By mail, 16 cents per lb. extra.

THERMOMETERS

Of various styles and finish, from 50 cents to \$5.00 each. Self-registering Thermometers, \$2.00 each. Dairy Thermometers, 75 cents to \$1.50 each, according to size. Storm-glass and Thermometer combined, a useful and ornamental weather indicator, 75 cents each; by mail, \$1.00.

AMERICAN FAMILY FRUIT-DRIER.

Fruit prepared on the **American Fruit-Drier** has taken the **first premiums wherever exhibited.**

With the **American Fruit-Drier**, surplus fruit of every kind, and also that which from over-ripeness or inferior size or quality is unfit for marketing in the unprepared state, can all be converted into a marketable commodity, which, from its excellence, will command the highest price. Such fruit as is prepared by this means is now selling in this city at an average of fifty per cent. more than ordinary dried fruit.

The **first premium, a Silver Medal, was awarded to Ryder's American Fruit-Drier, at the Maryland Institute, 1873**, when it received the unqualified approval of the Committee. Price, including stove, \$50.00. Descriptive Circulars sent to all applicants.

SMALL FRUITS.

NEW GRAPE—POCKLINGTON.

The best and largest hardy outdoor White Grape known.

THE POCKLINGTON GRAPE (for illustration of which see colored plate) is a seedling from the **Concord**, and was raised by Mr. John Pocklington, of Sandy Hill, Washington County, N. Y. The locality is well known to be elevated, cold, and late, yet the vines there have always proved themselves to be thoroughly hardy, both in wood and foliage.

The vine is a strong grower, in appearance almost identical with the **Concord**, having large, thick, leathery foliage, and, like that well-known variety, **never mildews**, either in foliage or fruit.

The fruit is of a light golden yellow, covered with fine bloom; bunches very large, sometimes shouldered; berries round, very large, and thickly set on the bunch; quality better than the **Concord** in its best state.

When fully ripe, it is clear, juicy, and sweet to the center, with very little or no pulp; slightly musky, but not unpleasant. Ripens with the **Concord**, and eventually will prove to be the **White Grape for the million**—both for market and home use—as it is adapted to succeed in all sections of the country.

Price, by mail or express, for choice one-year old vines, \$1.50 each; \$15.00 per dozen. A few two-year old vines, \$2.00 each.

PRINGLE'S HYBRID GRAPES.

These varieties are purely native, without any foreign blood, and have matured their crops regularly in the northern part of Vermont, where most other varieties have failed. They will prove not only a valuable acquisition to the northern parts of our country, where the ordinary varieties will not mature, but will be of great value as very early varieties in the more favored portions of the country.

MANSFIELD.

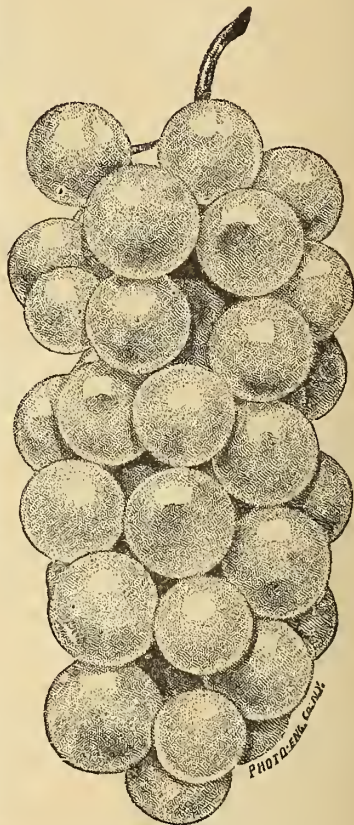
This is one of the best of Pringle's hybrids and a grape which in richness of quality is surpassed by no native sort. It was raised in 1869 from seed of the **Concord** fertilized by pollen of the **Iona**; and it combines in an unusual manner the more valuable characters of both these popular sorts. The vine is a rampant grower, with broad and thick leaves which are densely woolly beneath. Color of fruit purplish black under a slight bloom; bunch large, often shouldered, sufficiently compact; berry large, somewhat oval; flesh tender with but little pulp of a remarkably rich and delightful flavor. Fruit adheres well to the stem. Season earlier than that of **Concord**. It is confidently predicted that this variety will take a first rank among our hardiest and best table grapes. Two-year old vines, \$1.50 each; one-year old, \$1.00.

GOLDEN DROP.

An extremely early white Grape, raised by Pringle in 1869 from the **Adirondac**, fertilized by the **Delaware**. In size of bunch and berry it resembles **Delaware**; in earliness it even surpasses the **Adirondac**. Color yellowish white, with a tinge of red in the sun; bunch cylindrical, seldom shouldered, small, close; berry smallish, round; flesh tender, though slightly pulpy, juicy, very sweet and pure flavored, without the slightest foxiness. The vine is a good grower, yearly loaded with fruit; leaves small, obscurely lobed, tomentose beneath, showing superior capacity to resist mildew and thrips. This purely native and hardy variety is admired by such as are fond of the sweet and delicate flavor of some of the foreign sorts. Its surpassing earliness makes it valuable for planting in our northern districts, where none of the varieties in cultivation are sure to ripen thoroughly every year, and useful to give earliest grapes anywhere. Two-year old vines, \$1.50 each; one-year, \$1.00.

LADY CHARLOTTE.

This very promising white grape was raised by Pringle in 1869 from the **Delaware**, fertilized by the **Iona**. Color, light green, becoming amber or golden, with a reddish tinge in the sun; bunch, very large, very broadly shouldered, narrow and pointed below, compact; berry of medium size, globular. Flesh, with some pulp, but juicy and very sweet, without the least acidity in the center or harshness or foxiness in its flavor. Vine, a rampant grower and a great bearer, healthy; leaves, very large, bearing much resemblance to those of the **Iona**. Time of maturity about with the **Iona**. Two-year old vines, \$1.50; one-year old, \$1.00.



Golden Drop.
[ACTUAL SIZE.]

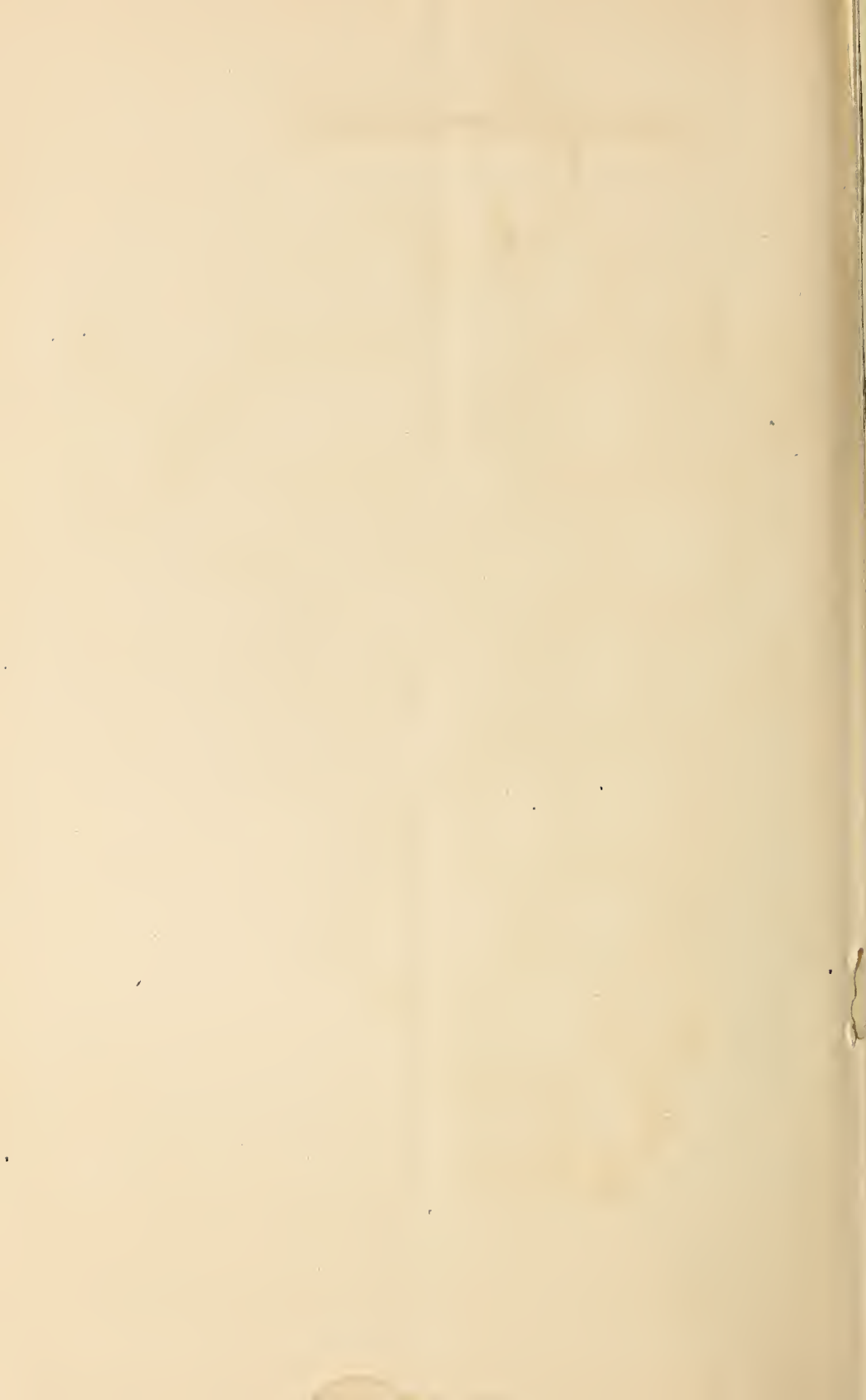
MOORE'S EARLY.

A splendid hardy grape, combining the following desirable qualities, viz.: hardiness, size, beauty, quality, productiveness, and earliness, maturing ten days earlier than the **Hartford Prolific**, and twenty days before the **Concord**. One-year old vines, 75 cents; two-year old, \$1.50 each. If by mail, 15 cents each additional.



THE "GOLDEN" POCKLINGTON GRAPE.

This fine, showy and hardy grape was originated from seed by John Pocklington, at Sandy Hill, Washington Co., N. Y. Is an iron-clad variety, having large leathery foliage, (identical with that of the Concord,) which will not mildew in the most adverse seasons. The vine is a strong grower and very hardy; clusters large and showy, weighing as much as one pound each. Quality sweet and good. Ripens with the Concord.



STRAWBERRIES.

CULTIVATION.—Strawberries may be grown on any soil that will produce corn or potatoes. A light clay loam, well enriched with rotten barn-yard manure, is the most favorable soil for most varieties. Spring is the best season for planting. As soon as the plants are received from the nursery, open the package or box *at once*, and, if possible, plant the same day. If the ground is not ready, or for other causes the planting has to be delayed, nntio each bundle and heel in the plants at a shady place, or cover with damp moss and keep in a cool cellar until ready for planting. In the garden, plant in rows 18 inches apart by 12 in the rows; after every third row leave a space of two feet, instead of 18 inches, for a path. In the field, for cultivation by horses, the rows should be three feet apart. After the beds are marked out, make, with a hoe or a trowel, a hole for each plant large enough to admit all the roots of the plant without crowding or bending them over. Then spread the roots in the hole and carefully sprinkle pulverized soil upon them until the hole is one-half filled, and press the soil firmly around the roots; then fill up the hole to the crown of the plant, but no more, without pressing the soil again. If the ground is very dry it is best to plant towards evening, and to water the plants well. To secure healthy plants and a bountiful crop of fruit the year after planting, the plants should not be allowed to bear the first season, the runners must be cut off before the tips take root, and the ground kept loose and free from weeds. When lasting cold weather sets in, in this latitude, about the last week in November, the plants should be covered with straw or leaves, or salt hay, or any other light material, to a depth of one or two inches. This mulch is not removed until after the bearing of the plant. In the Spring, when the strawberry-leaves start, open, with a pointed stick or the hand, the mulch over the crown of each plant. No other care is required before bearing. After the last picking the mulch is to be taken away altogether, and the beds cultivated as during the previous season. A strawberry bed managed in this way will last three or four years, so that in order to secure a full supply of berries every season, a new bed should be laid out every second year.

N. B.—**Strawberry Plants**, at the dozen rate, will be mailed to any Post-office in the United States without extra charge. At the fifty or hundred rate, if to be sent by mail, 50 cents additional must be remitted for each hundred plants.

SELECT VARIETIES. OF RECENT INTRODUCTION.

Manchester.—The latest novelty, and promising to become one of the most valuable varieties introduced within many years. The size of berries is uniformly large to very large; shape, nearly regularly globular, color, bright scarlet; quality, first class. The plant is vigorous and hardy, and astonishingly productive, even under slovenly culture and on poor soil. Flowers pistillate. Price, \$2.00 per dozen; \$10.00 per hundred.

Bidwell.—Berries very large, averaging as large as Sharpless; long conical, with neck, the largest specimens irregular; bright glossy crimson, of very good quality, and firm enough for marketing. The plant forms large stools; is a strong grower, healthy, and bears immense crops when fair cultivation is given. For home use or a near market it would be difficult to find a more desirable variety. Price, 75 cents per dozen; \$3.00 per hundred.

Sharpless.—A grand variety in every respect. Monstrous in size; most berries of good shape, though some are compressed or coxcomb-shaped; flesh solid, sweet, rich, and juicy, and of a luscious flavor. Plant hardy, very large, and vigorous. It bears well under ordinary treatment, while under high cultivation its productiveness becomes immense. After extensive trials, under varied conditions and on a great variety of soils, it is generally pronounced the most valuable Strawberry introduced within many years. 50 cents per dozen; \$1.00 per hundred; \$6.00 per thousand.

President Lincoln.—Single berries exhibited at the New York Horticultural Exhibition measured 11 inches in circumference; they were of a beautiful appearance, excellent quality, and of firmer texture than any other large berry. The plant is a strong grower, hardy and prolific. It requires a rather heavy soil and good cultivation to develop its best qualities, but under favorable conditions no variety can excel it in size and quality. 50 cents per dozen; \$1.00 per hundred.

Minor's Prolific.—Among the many new sorts, this has proven one of the most valuable. Berries large, globular, irregular, firm, deep crimson, glossy, of a rich aromatic flavor; ripens late, and holds out until very late. Most prolific bearer. 50 cents per dozen; \$1.00 per hundred; \$5.00 per thousand.

Glendale.—Very late; large, conical, of bright scarlet color, very firm, and of good, sprightly flavor. The plant is entirely hardy, is a strong, rampant grower, and very prolific. Its keeping quality is not surpassed by any variety, and as a shipping berry, to stand long transportation, the Glendale is much sought for. 50 cents per dozen; \$1.00 per hundred; \$5.00 per thousand.

Golden Defiance.—Similar to the preceding, but later and of dark red color. A most desirable sort for home use. 50 cents per dozen; \$1.00 per hundred.

Great American.—Of enormous size, when grown under favorable conditions; under ordinary treatment it refuses to show the remarkable qualities which made it so famous when first brought to notice. 50 cents per dozen; \$1.00 per hundred.

Pioneer.—Early, large, irregularly round, bright red, of excellent quality. Highly praised in some localities, while in others it is a poor grower and shy bearer. 50 cents per dozen; \$1.00 per hundred.

Durand's (Essex) Beauty.—Large, regular, conical, and, as its name indicates, of great beauty; deep crimson, firm, first-class flavor. It ripens early, the whole berry coloring at once. Plant a good, healthy grower, but, like all of Mr. Durand's seedlings, requires the highest culture. Price, 50 cents per dozen; \$1.00 per hundred.

Centennial.—A fine, high-flavored, large berry, for which the award was given, and which was pronounced the highest and finest flavored, by the judges of the Centennial Exhibition. It is very regular in form, of a rich scarlet color, continuing long in bearing, and retaining its fine flavor to the last; may be considered one of the finest amateur berries. 50 cents per dozen; \$1.00 per hundred.

Cinderella.—Very early, good medium size, bright glossy red, of good flavor and yield. 50 cents per dozen; \$1.00 per hundred.

Continental.—Late, berries large, dark red, firm, and of excellent quality. This is a most valuable variety for market as well as home use. 50 cents per dozen; \$1.00 per hundred.

Hervey Davis.—Large, deep brilliant scarlet, very handsome. Flesh white, firm, and of the best quality. Plant a good grower and very productive. The beautiful appearance and firmness of the berry recommend it highly as a market fruit, while its beauty and excellent quality make it desirable for the table. 50 cents per dozen; \$2.00 per hundred; \$10.00 per thousand.

Marvin.—A cross between Tueda and Wilson, said to combine the best qualities of both parents. It ripens very late and holds out well. \$2.00 per dozen.

Brilliant.—A new variety from Ohio, where competent judges have pronounced it highly promising. The fruit is large, conical, of uniform size, dark glossy red, and the plant is a strong, vigorous grower. \$1.00 per dozen.

STRAWBERRIES.—Cont'd.**STANDARD VARIETIES.**

EARLY VARIETIES.

	Doz.	Fifty.	Hund.	Thous.
Duchess , the best early variety for general cultivation.....	\$0.50	\$0.75	\$1.00	\$5.00
Crescent , very prolific, succeeds on all soils.....	.50	.75	1.00	5.00
Nicanor , very early, hardy, of good quality, suitable for all soils.....	.50	.75	1.00	5.00
Duncan , very early, large, prolific, valuable for home use.....	.50	.75	1.00	5.00

MEDIUM VARIETIES.

Charles Downing , very prolific, best for general cultivation.....	.50	.75	1.00	5.00
Wilson , best market variety.....	.50	.75	1.00	5.00
Black Defiance , very large and delicious, requiring good cultivation.....	.50	.75	1.00	6.00
Seth Boyden , very large, prolific, very desirable.....	.50	.75	1.00	5.00
Monarch of the West , very handsome, large and excellent.....	.50	.75	1.00	5.00
Champion , pistillate, large and very prolific.....	.50	.75	1.00	5.00
Cumberland Triumph , largest size, exceedingly handsome and luxuriant.....	.50	.75	1.00	5.00

LATE VARIETIES.

Triomphe de Gand , very large and excellent, best for heavy soil.....	.50	.75	1.00	6.00
Jucunda , very large, juicy, very valuable for heavy soil.....	.50	.75	1.00	6.00
Green Prolific , very productive, good for light soil.....	.50	.75	1.00	5.00
Kentucky , very late and vigorous, best for light soil.....	.50	.75	1.00	5.00
Captain Jack , immensely productive, of medium size and good quality.....	.50	.75	1.00	5.00
President Wilder , excellent under special cultivation.....	.50	.75	1.00	6.00

In addition to these, we can furnish over a hundred varieties of Strawberries, comprising every kind of value.

STRAWBERRY PLANTS BY MAIL.

At the dozen rate, plants will be sent by mail, postage prepaid. At the hundred rate, if to be sent by mail, 50 cents per hundred for postage must be sent in addition to the price.

POTTED STRAWBERRY PLANTS.

The most favorable time for transplanting Strawberries is during the Spring months. A bed planted in April or May, and well taken care of during Summer, will produce a full crop the following season. When Spring planting is not practicable, however, a full crop may nevertheless be obtained by planting pot-grown plants during the month of August or September. These have been layered in pots, and are taken out and transplanted with the entire ball and every root the plant has made. After the first of August we can furnish pot-grown plants of most of the above varieties, the new kinds excepted, at \$1.50 per fifty; \$2.50 per hundred. A special Price List of Potted Plants will be issued in season.

Pot-grown plants cannot be sent by mail.

Raspberries, Blackberries, Currants, Gooseberries, and Grape-vines can be mailed for 25 cents per dozen, in addition to the price. When this amount is not remitted, a number of plants sufficient to cover the amount of postage is deducted from the order.

BLACKBERRIES.

	Doz.	Hund.	Thous.
Kittatimny , the best for general cultivation.....	\$1.00	\$4.00	\$30.00
Mo. Mammoth , extra large and hardy.....	1.00	4.00	30.00
New Rochelle or Lawton , sweet and juicy.....	1.00	4.00	30.00
Wilson's Early , the earliest.....	1.00	4.00	30.00
Western Triumph , very large and delicious, hardy.....	1.00	4.00	30.00
Snyder , the hardiest, very sweet and juicy.....	1.00	4.00	30.00
Dorchester , very early, sweet, tender, high flavor.....	1.00	4.00	30.00

RASPBERRIES.

RED VARIETIES.

	Doz.	Hund.	Thous.
Belle de Fontenay , best Fall-bearing variety, large and sweet.....	\$1.00	\$4.00	\$30.00
Clarke , large and excellent.....	1.00	4.00	30.00
Highland Hardy , the most prolific, best for general cultivation.....	1.00	4.00	30.00
H. R. Auwersp , the best quality, half-hardy.....	1.00	6.00	50.00
Philadelphia , hardy and prolific.....	1.00	4.00	30.00
Cuthbert , large, good quality, hardy; best for family use.....	1.00	4.00	30.00
Brandywine , very fine, firm, and hardy.....	1.00	4.00	30.00
Turner , much valued at the West; very early and hardy.....	1.00	4.00	30.00
Franconia, Kirtland, Naomi, Saunders, Herstine, Reliance, Early Prolific ... 1.00			

BLACK VARIETIES.

Souhegan , new, the earliest large Black Cap; 35 cents each.....	3.00	15.00	
Doolittle , large, sweet, and juicy.....	1.00	4.00	30.00
Miami, or Mammoth Cluster , the largest late.....	1.00	4.00	30.00
Gregg , very valuable, late.....	1.00	5.00	40.00

YELLOW VARIETIES.

Brinkle's Orange , large, the richest-flavored Raspberry.....	2.00	10.00	
Caroline , new, large, sweet, and hardy.....	2.00	10.00	

CURRENTS.

	Each.	Doz.	Hund.	Thous.
Cherry, large, best for market.....	\$0.20	\$1.00	\$6 00	\$50.00
Versailles, very large, best for table.....	.20	1.00	6.00	50.00
White Grape, very large, the best white.....	.20	1.00	6.00	50.00
Black Naples, valuable for jams and jellies.....	.20	1.00	6.00	50.00
Two years old bushes of any variety.....	.30	1.50	9.00	
Three years old bushes of any variety.....	.40	2.00	12.00	

GOOSEBERRIES.

Houghton Seedling, very prolific, free from mildew.....	\$0.25	\$1.00	\$6.00	\$50.00
— 2 years old bushes.....	.30	2.00	12.00	
Downing, pale green, very large, fine quality.....	.30	2.00	15.00	
— 2 years old bushes.....	.50	3.00		

HARDY GRAPES.

	Each.	Doz.
Agawan (Rogers', No. 15), maroon, bunches large, berries very large, aromatic.....	\$0.35	\$3.00
— 2 years.....	.50	4.00
Brighton, red, bunches large and compact, superior quality.....	.50	4.00
— 2 years.....	.75	6.00
Catawba, red, old standard variety, excellent keeper.....	.35	3.00
— 2 years.....	.50	4.00
Clinton, black, berries small, very hardy, good wine grape.....	.25	2.00
— 2 years.....	.35	3.00
Concord, black, the hardiest and best Grape for general cultivation.....	.25	2.00
— 2 years.....	.35	3.00
Delaware, red, compact bunch, berries small, very sweet and delicious.....	.35	3.00
— 2 years.....	.50	4.00
Diana, pale red, tender, sweet, with musky flavor.....	.35	3.00
— 2 years.....	.50	4.00
Elvira, greenish white, skin very thin, pulp tender, sweet, fine flavor.....	.35	3.00
— 2 years.....	.50	4.00
Essex (Rogers', No. 41), berry black, very large, highly aromatic.....	.35	3.00
— 2 years.....	.50	4.00
Goethe (Rogers', No 1), yellowish green, berries very large, of delicious aroma.....	.35	3.00
— 2 years.....	.50	4.00
Hartford Prolific, black, very early and prolific, strong flavor.....	.25	2.00
— 2 years.....	.35	3.00
Herbert (Rogers', No. 44), black, early, large, very sweet and tender.....	.35	3.00
— 2 years.....	.50	4.00
Iona, pale red, berries medinn, excellent table quality.....	.35	3.00
— 2 years.....	.50	4.00
Isabella, black, rich musky aroma, old market variety.....	.25	2.00
— 2 years.....	.35	3.00
Ives, dark purple, early, very hardy, one of the best wine grapes.....	.25	2.00
— 2 years.....	.35	3.00
Lady, light yellowish green, early, berries large, sweet and rich.....	.50	4.00
— 2 years.....	.75	6.00
Lindley (Rogers', No. 9), red, tender, and of highly aromatic flavor.....	.35	3.00
— 2 years.....	.50	4.00
Martha, greenish white, very sweet, the most popular white grape.....	.35	3.00
— 2 years.....	.50	4.00
Massasoit (Rogers', No. 3), brownish red, early.....	.35	3.00
— 2 years.....	.50	4.00
Merrimack (Rogers', No. 19), black, very vigorous, sweet.....	.35	3.00
— 2 years.....	.50	4.00
Salem (Rogers', No. 53), chestnut color, berry very large, quality best.....	.35	3.00
— 2 years.....	.50	4.00
Talman (Early Champion), black, one of the earliest.....	.35	3.00
— 2 years.....	.50	4.00
Wilder (Rogers', No. 4), dark purple, juicy, rich and sweet.....	.35	3.00
— 2 years.....	.50	4.00
Worden, black, similar to Concord, one week earlier.....	.35	3.00
— 2 years.....	.50	4.00

Three years old Grape Vines, of most of these varieties, can be furnished at double the prices quoted for one year old vines.

EXOTIC GRAPES FOR VINERIES.

One year old plants, 75 cents to \$1.00 each. Two year old plants, \$1.00 to \$1.50 each. Our stock embraces all the leading varieties. Extra size, for fruiting in pots, \$3.00 each.

CRANBERRY PLANTS.



Black Bell.

10,000 plants by express, freight paid by purchaser, sufficient for one acre at two feet apart.....				\$25.00
	If sent by mail, prepaid.....			30.00
5,000.....			per 1,000..	3.50
1,000.....			" " " " "	4.00
100.....			" " " " "	.50
Vines in bbls.—8 to 12 bbls. will plant an acre.....			per bbl.	5.00
Mansfield Creeper. —A new upland variety; habit and growth different from other varieties—these are furnished by cuttings or shoots; take root freely, and are as safe in planting as root varieties. Price per 100.....				.60
Eaton Black Bell. —A variety of early Cranberry; has been found to be much earlier than any yet cultivated; not a large berry, but uniform in size, dark color, and great bearers; ripe by 5th of September, two or three weeks earlier than other varieties, which gives them preference at a higher price in market, Per 100.....				.75
Full directions for cultivation sent with each lot ordered. No plants sent C. O. D.				

For the convenience of our customers in the Southern and Pacific States, we winter, in frost-proof cellars, a full assortment of all the principal varieties of Small Fruits, whereby we are able to forward plants with safety, at any time during Winter.

FRUIT AND ORNAMENTAL TREES.

Catalogues sent to all Applicants.

Having frequent calls for the above, we have made arrangements with several prominent growers, and will hereafter be enabled to execute orders for the following. The cost of packing will be added:

	Each.	Per 50.	Per 100.
Apples , standard, 6 to 8 feet.....	\$0.30	\$12.50	\$20.00
Apples , standard, 7 to 10 feet, extra size.....	.75		
Apples , dwarf and crab.....	.50		
Pears , standard, 5 to 7 feet.....	.75	30.00	50.00
Pears , standard, extra size, \$1.00 to \$2.00 each.....			
Pears , dwarf.....	.50	20.00	35.00
Cherries , standard and dwarf.....	.50	20.00	35.00
Plums , 6 to 7 feet.....	.50	20.00	35.00
Plums , Wild Goose, not so liable to the attacks of the Curculio, as other varieties....	.75		
Peaches , 4½ to 6 feet.....	.20	8.00	12.00
Apricots, Nectarines and Quinces.....	.50	20.00	30.00
Chestnuts, Filberts and Almonds.....	.50		

DECIDUOUS TREES.

Norway, Silver, and Red Maple, American Linden, American Elm, White Birch, Horse Chestnut, English Larch, Magnolia acuminata and tripetala, Green and Silver-leaved Poplar, 8 to 10 feet, \$1.00 each; extra sized specimens, from \$1.50 to \$2.00 each.

WEEPING DECIDUOUS TREES.

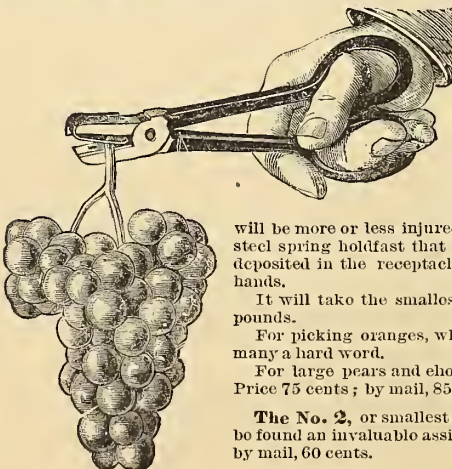
Poplar, Linden, Cut-leaved Birch, and Kilmarnock Willow, \$1.00 each.

EVERGREEN TREES.

American and Siberian Arborvitae, Balsam Fir, Irish Juniper, Austrian, White, Scotch and Table Mountain Pine (the last named is new and a great acquisition), and Norway Spruce, 4 to 5 feet, 75 cents each. Osage Orange, one year, \$1.00 per 100; \$6.00 per 1,000.

WEEK'S GRAPE, FRUIT, AND FLOWER PICKER.

VALENTINE'S PAT., AUG. 1, 1865.



This cut represents one of the most useful articles of its kind yet invented, which supplies a want that has long been felt. Every one engaged in picking fruit knows the difficulty of detaching the fruit from the branch and depositing it in the basket or other receptacle for receiving it without bruising the fruit, and particularly with Grapes, for unless very great care is exercised, each bunch

will be more or less injured. The tool is a pair of shears so arranged with a steel spring holdfast that the stem is cut and held so that the fruit can be deposited in the receptacle for receiving it without touching it with the hands.

It will take the smallest cherry, or hold a bunch of grapes weighing five pounds.

For picking oranges, where the branches are full of thorns, it will save many a hard word.

For large pears and choice fruit of any kind, it is an invaluable assistant. Price 75 cents; by mail, 85 cents.

The No. 2, or smallest size, is particularly adapted for **Flowers**, and will be found an invaluable assistant in the Garden or Hot-house. Price 50 cents; by mail, 60 cents.

THE AMERICAN GARDEN.

A Monthly Illustrated Journal, Devoted to the Gardening Interests of America.

ONE DOLLAR A YEAR.

Contains sixteen large pages of closely printed matter, relating to the **Flower, Fruit, and Vegetable Garden, the Lawn, Greenhouse, and Window Garden**, and all other branches of **Horticulture** in its various departments. A specimen copy will be sent free on application.

The January number being the last number of THE AMERICAN GARDEN as a quarterly, as well as the first number as a monthly, subscribers for 1881 can have the remaining 11 numbers for 1882 sent on receipt of 90 cents; or for \$1.00 their subscription will include the January, 1883, number.

Dr. F. M. HEXAMER, Editor.

B. K. BLISS & SONS, Publishers,

All orders should be addressed to the Publishers.

34 Barclay Street, New-York.

This popular Magazine, heretofore issued quarterly, will hereafter be published *monthly*, about the first of every month.

Volume 111. commences with the January number, 1882, and it is desirable that subscriptions should begin with the first number of the volume, although they may be entered at any time for a year from the date of entry.

VALUABLE PREMIUMS for 1882.

Some of our readers have expressed the opinion that our journal is good enough without premiums, and we fully agree with their judgment; yet when we read the many favorable commendations which we receive almost daily about our premiums distributed during the past year, we cannot but believe that to the majority of our subscribers the premium seeds have been highly acceptable. We offer, therefore, to every subscriber of THE AMERICAN GARDEN for 1882 **the choice of one package of any one of the following seeds, with directions for culture:**

Wild Garden Seeds, a package containing a mixture of upward of one hundred varieties of Flower Seeds, sufficient for a square rod of ground.

Improved German Ten-Weeks Stock. These beautiful flowers are far too little known in our gardens, and we hope by offering them among our premiums to introduce these floral gems to many of our readers.

May-Flower Tomato. A new variety now offered for the first time, the great excellence of which has been indorsed by the Massachusetts Horticultural Society in awarding it the first prize for the best new Tomato.

Bliss's American Racer Pea. (A trial packet.) We have grown this new Pea for several years on our experimental grounds, and consider it one of the earliest, most productive, and best Peas known. Our stock of seed is as yet too limited to enable us to offer it for sale, yet we are so strongly convinced of its superior value that we offer it as a premium—the only way in which it can be obtained—to our subscribers, trusting that it will prove as valuable an addition to the list of new vegetables as the American Wonder Pea, offered by us last season.

THE AMERICAN GARDEN

Sends its greeting to every cultivator of the soil, to every lover of fruits and vegetables, of flowers and home adornments; to the wealthy country gentleman who can lavish his thousands a year on the scrupulous care of his lawns, parterres, and hot-houses, who can employ all the skill, labor, and material necessary to accomplish his aim; as well as to those whose gardening is limited to the care of a few flower-pots on the window-sill.

It knocks at the door of every farm-house where the wives and daughters, if they would enjoy a dish of delicious strawberries and a bountiful supply of fresh vegetables, or if they would delight in the glory of a beautiful flower-bed in the door-yard, must themselves become the master gardeners. It asks admittance to the homes of the thousands of suburban residents who strive to make their limited grounds as attractive and useful as possible without entering into general farming.

NOTICES OF THE PRESS.

We have no doubt that this handsome journal will meet with all the success it deserves, and from all we know of its editor, and the enterprise of its publishers, its deserts will prove of no mean order.—*Rural New-Yorker*.

THE AMERICAN GARDEN being edited by Dr. F. M. Hexamer, the readers will be sure that its teachings will be sound and practical, and that it will not be a mere advertising sheet.—*American Agriculturist*.

THE AMERICAN GARDEN is well fixed, both in its publishers and in its editorial features, and we predict a wide success for it.—*Pacific Rural Press*.

THE AMERICAN GARDEN abounds in plain, practical directions for raising garden "sass" and flowers, not to speak of fruit-trees and various household pets.—*New-York Mail*.

THE AMERICAN GARDEN, we are sure, will be very useful to the class for whom it is intended.—*Gardener's Monthly*.

THE AMERICAN GARDEN is well filled with valuable matter, and promises well for its future existence.—*Botanical Index*.

THE AMERICAN GARDEN (of which, when our readers remember that it is edited by Dr. F. M. Hexamer, it would be but a redundancy to say that it is eminently practical, trustworthy, and enjoyable as well).—*New-York Tribune*.

THE AMERICAN GARDEN, a very handsome paper, has greatly improved since it changed hands. Its leading articles are ably written, and its selections such as are sure to please and instruct.—*Floral Cabinet*.

SPECIAL OFFER.

THE AMERICAN GARDEN FOR 1882 FREE.

Purchasers of Seeds in packets to the amount of **Four Dollars** (in one order) at Catalogue prices, may select as premium, either THE AMERICAN GARDEN for 1882, or the offer of Seeds on page 3. Purchasers to the amount of **Eight Dollars** (in one order), whether in packets or otherwise, will receive, on application, THE AMERICAN GARDEN for 1882, free.

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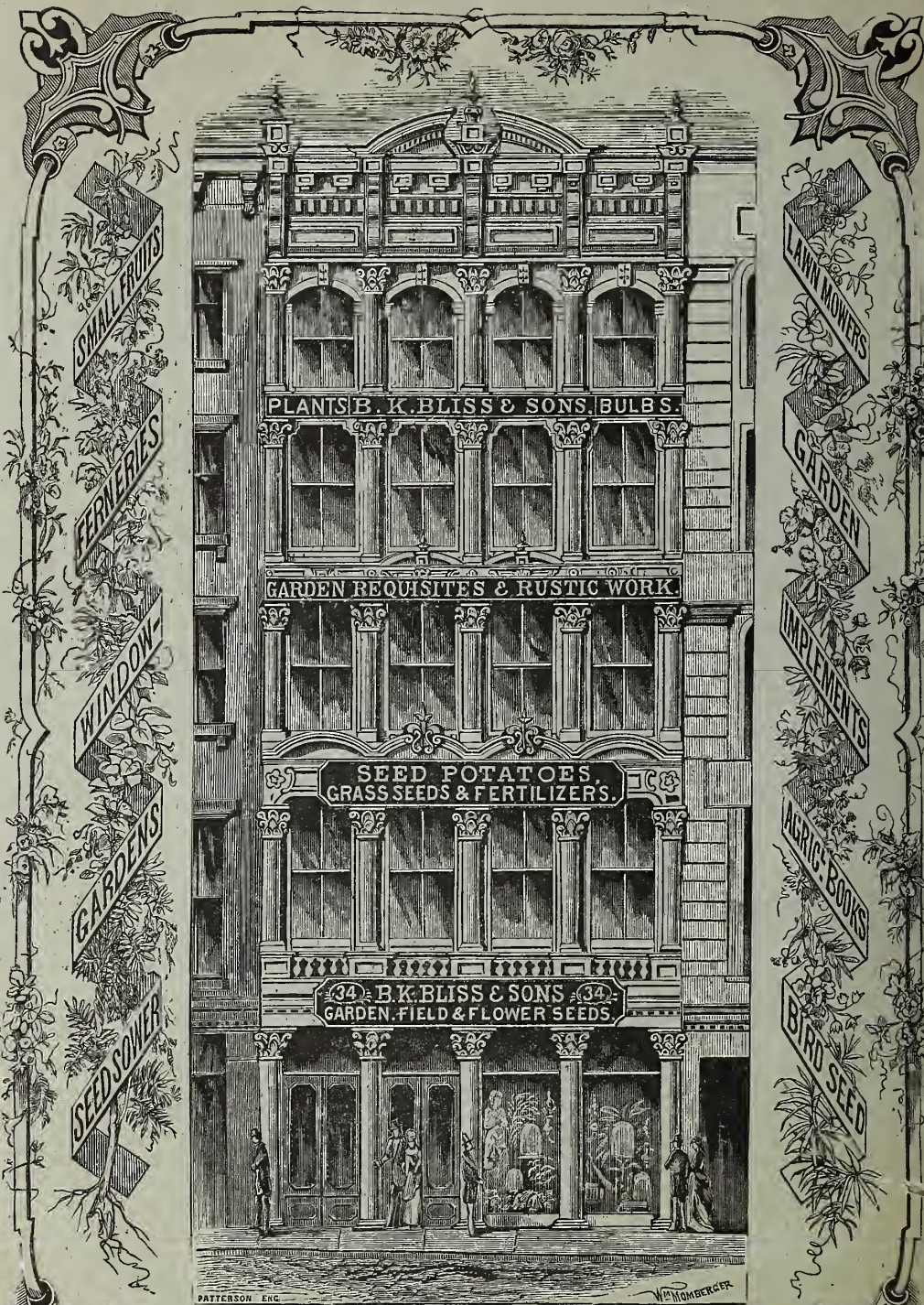
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