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FIELD OF LILIUM AURATUM IN JAPAN.

SEED ANNUAL
FOR 1898

PAINTED FOR
JOHN GARDINER & CO.
GROWERS,

IMPORTERS & DEALERS

IN VEGETABLE, FLOWER & FARM SEEDS. 21 NORTH 13TH STREET. PHILADELPHIA, PA.

"SPECIMEN",
LILIUM AURATUM IN POT

20¢ EACH. \$ 2.00 PER DOZ. \$ 15.00 PER 100

← BEAUTIFUL AND HARDY →

≡ JAPANESE * LILIES ≡

THAT OUGHT TO BE IN EVERY GARDEN.

Shipped

direct

per

Steamer

to

John

Gardiner

& Co.,



from the
Japanese
Bulb
Farms,
and offered
at
importation
prices.

THE
GOLDEN-RAYED LILY
OF JAPAN
(*Lilium Auratum*).

THIS beautiful variety has been aptly called the "Queen of Lilies." When fully expanded, the flowers measure nearly a foot across. Their fragrance is delicious, and the blending of the colors in the individual blossoms exquisite, being ivory-white, thickly strewn with purple studs, with a broad band of light golden-yellow extending from tip to base of each petal. This variety is, beyond question, the grandest of all the Lily family, and we offer this season a splendid stock of sound, well-ripened bulbs, our own direct importation from Japan, at a price which commends itself, and places this beautiful Lily within reach of all.

Culture.—A light, rich soil, such as would be obtained from a mixture of leaf-mold and well-rotted manure, with a slight addition of sand to keep it open, is the most desirable. Deep planting (8 to 10 inches) is recommended, and a shady situation, such as a shrubby border, is preferable.

Culture in Pots.—Select a large-sized pot, say an eight or ten-inch, and fill with the same compost as recommended for out-door culture. Dust a little charcoal about the bulb to keep it fresh, and cover two inches with soil. Water lightly until the shoot begins to appear. Never apply liquid manure unless as a stimulant when the plant commences to flower.

LILIUM AURATUM BY THE CASE.

GARDINER'S \$5 CASE CONTAINS
35 EXTRA
SELECTED

BULBS SHIPPED TO ANY ADDRESS, by Express or Freight, ON RECEIPT OF PRICE.

GARDINER'S \$3 CASE CONTAINS
20 EXTRA
SELECTED

BULBS SHIPPED TO ANY ADDRESS, by Express or Freight, ON RECEIPT OF PRICE.

Extra Selected Bulbs,
20 cts. each, \$2.00 per doz.
Mailing, 3c. each, extra.

JAPANESE
CHRYSANTHEMUM.

The seed we offer is imported direct from Japan. When it is reflected that some of the most highly prized varieties in cultivation here at the present time have been raised



from seed imported from Japan, the probability of raising new and remarkable varieties from this imported seed will be apparent. Packet 25c.



GOLDEN-RAYED LILY OF JAPAN (*Lilium Auratum*).

Japanese Dianthus

Like the Chrysanthemum, this is another favorite flower of the Japanese, and has been brought by them to very great perfection. The blossoms are



very large and beautifully formed, exquisitely fringed and laced, running through a great variety of brilliant and showy colors. Imported Japanese Seed, pkt. 25c.

OTHER BEAUTIFUL JAPANESE LILIES



The Speciosum Group.

Speciosum Album.

Large pure white flowers of great substance, beautifully recurved as shown in the engraving. One of the finest lilies in cultivation, and splendid either for the garden or for growing in pots: 25c. each, \$2.50 per dozen. Mailing, 3c. each.

Speciosum Roseum.

Pure white ground, stained and spotted rose, similar to preceding except in color. Thrives excellently in our climate, the bulbs increasing rapidly; very beautiful. 15c. each, \$1.50 per doz. Mailing, 3c. each.

Speciosum Rubrum.

White, heavily spotted with rich crimson; darker than *roseum*, and equally well adapted for pots or the open ground. A magnificent border plant; ought to be in every garden. 15c. each, \$1.50 per doz. Mailing, 3c. each.

Speciosum Punctatum.

A scarce lily of great beauty; the finest of all the *speciosum* group; distinguished for its delicacy and distinctness of coloring, as well as for its grace of form and fine substance. Blush ground, regularly spotted with crimson studs, which are raised above the surface of the petal. Our bulbs are the true *punctatum*. 50c. each, \$5.00 per doz. Mailing, 3c. each.

OTHER LILIES.

A CULTURAL and descriptive list of the best varieties in cultivation not enumerated here, will be found in our Fall Bulb Catalogue, sent free on application to any one interested.



BOOK ON LILIES.

WE are often asked "What is the best treatise on Lilies, that is reliable, practical, and moderate in price?" We know of nothing better than "Notes on Lilies," by Dr. Wallace; a very complete work on this favorite class of plants, giving exhaustive cultural instructions, notes from collectors and cultivators in all parts of the world, together with descriptions and illustrations of the plant, and bulb growth of every known variety; a reliable guide for beginners. We supply copies at \$1.48 each. Mailing, 9c.

Special Offer Japanese Lilies

No. 1.—FOR 60c.

We will mail free, to any address, 1 *Lilium Auratum*, 1 *Lilium Speciosum Rubrum*, 1 *Lilium Speciosum Album*.

No. 2.—FOR \$1.00

We will mail free, to any address, 2 *Lilium Auratum*, 1 *Lilium Speciosum Album*, 2 *Lilium Speciosum Rubrum*, 1 *Lilium Speciosum Roseum*.

No. 3.—FOR \$5.00

We will ship by express or freight, to any address, 20 *Lilium Auratum*, 10 *Lilium Speciosum Rubrum*, 5 *Lilium Speciosum Album*.

CHINESE SACRED LILY

May be planted any time from November to May 1st.

Culture.—This is quite easily grown in pebbles and water in any kind of a flat dish. May be had in flower four or five weeks after planting. Very fragrant. 22c. each, \$2.20 per dozen. Mailing, 3c. each.



CHINESE SACRED LILY.



**JOHN GARDINER & CO'S
SEED ANNUAL**

POINTS!!

GARDINER'S SEEDS blow their own horn, so that we do not require to "boom them." We desire, however, to call attention briefly to a few points of importance in the conduct of our business, which those, who have not already dealt with us, would do well to carefully consider.

SATISFACTION GUARANTEED.—We realize most fully that in the seed business—more so than in any other—"a pleased customer is the best advertisement," and our undivided attention is given to satisfying our patrons, so that they shall remain with us permanently. From past experience we are confident of our ability to please the most fastidious, and all we ask of those who have not yet dealt with us, is to send us a trial order and be convinced of the superior quality of our seeds, and our fair and square method of doing business.

QUALITY.—Our Seeds are **Fresh, Clean, Tested, and Reliable.** Our facilities for handling seeds are unsurpassed, and we take the greatest precautions to avoid error—every safeguard that human ingenuity can devise in system and improved appliances is used, regardless of expense, to ensure correctness.

OUR PRICES.—The cheapest seeds are not always the best, but the best seeds are always the cheapest. Our seeds are as low in price as is consistent with the best quality.

SEEDS AND BULBS FREE BY MAIL.—All seeds quoted in this Catalogue (unless otherwise noted) are free by mail at the mailing prices advertised. Where customers order goods by express or freight at their own expense, we allow 8 cts. per lb. rebate for postage. See special offers on orders by express or freight.

SEEDS AND BULBS FREE BY EXPRESS.

On all orders amounting to \$5.00 and over, we prepay freight or express charges to any part of the United States or Canada, when ordered at the mailing prices quoted in the Catalogue. All items that have special prices affixed for shipment by express or freight at customers' expense, are not subject to this rule; neither does it apply to heavy goods quoted at net prices at our store, such as grasses, grains, fertilizers, implements, etc. We will however, make the following special inducement in the case of all goods that are quoted net at store:—a discount of 10 per cent. on all orders amounting to \$5.00 and over, from any State or Territory in the Union, Canada, or any country in the world. This special discount is in addition to the 25 per cent. in seeds which we allow on all orders for seeds in packets amounting to \$1.00 and over. On all orders for less than \$5.00, made up from this Catalogue at mailing prices, where customers prefer to pay their own express or freight charges, we will allow a rebate of 8 cts. per lb. for postage.

REMITTING MONEY.—We receive postage stamps the same as cash, and postal notes are generally very convenient, but when sending money, we recommend for safety, where possible, to remit either by registered letter, post-office order, express order, or by draft on New York. Remittances sent in any of these four ways are absolutely safe, and we not only guarantee their safe arrival, but we will also bear the expense of so sending. The cost of remitting the money may be deducted from the amount sent.



THANKS! We are kept busy all the time because we sell the best seeds, charge moderate prices, and do our work well. We expect to be kept busier than ever during 1890. We thank our old friends most heartily, and extend a cordial welcome to new customers. Assuring all who may trade with us during the year, of our best care and attention, we are,

Respectfully yours,

John Gardiner & Co

GARDINER'S NOVELTIES & SPECIALTIES in VEGETABLES.

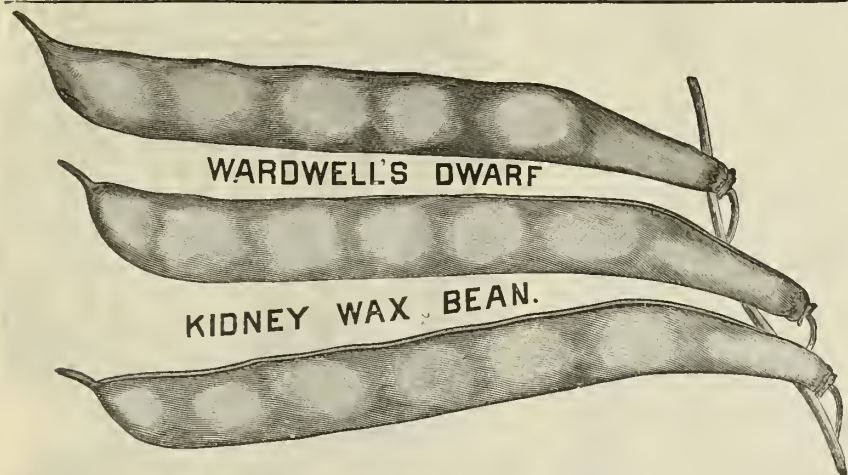
For 1890

We call special attention to the new varieties and special strains offered in the following list. Many of them are novelties of great promise, and are therefore not to be obtained, of such superior excellence, from any other source whatever.

which are catalogued now for the first time, and cannot fail to prove very interesting to all enthusiastic gardeners. We allow no new variety into our list unless it emanates from our own establishment, or from some other house of reliability and standing, in whom we repose the utmost confidence. The stocks we offer in specialties are nearly all of them grown exclusively for our special retail trade, and are therefore not to be obtained, of such superior excellence, from any other source whatever.

YOSEMITE MAMMOTH

YOSEMITE MAMMOTH WAX BEAN. This wonderful wax variety is the forerunner of a race of giants among beans, and is universally conceded to be the novelty of the season. The cut is a faithful copy of a photographed specimen, but conveys no idea of its great size and handsome, waxy appearance. The pods are *nearly all solid pulp*, and are absolutely stringless, cooking tender and delicious. The monster pods average eight to ten inches in length, and are the thickness of a man's finger, and are a rich golden color, making a most handsome appearance either on the plant or on the table. The **Yosemite** combines size, productiveness and exquisite quality in one variety, and is the nearest approach to perfection that nature has yet given us in bush wax beans. Pkt. 15c., $\frac{1}{2}$ -pint 75c., pint \$1.25, quart \$2.00.



WAX BEAN

WARDWELL'S NEW EARLY DWARF KIDNEY WAX BEAN. This new variety has given unbounded satisfaction wherever tried. It has not yet shown the slightest indication of rust or spot, and is greatly superior to the well-known Dwarf German Black Wax or Golden Wax. The vines are remarkably vigorous, hardy and productive; the pods are large, smooth and showy, tender and perfectly stringless. It has a fine buttery flavor, and is destined to become a leading snap bean, as well as a good shelling variety. Early, and better yielder than either Black or Golden Wax. By mail, pkt. 10c., pint 25c., quart 50c. By express, quart 35c., $\frac{1}{2}$ -peck \$1.25, peck \$2.00.

NEW GOLDEN-EYED WAX BUSH BEAN.

This new bean has been on the market for two seasons, and has proven a very valuable sort. It is *rust proof*, and free from spot; extremely early; vigorous grower, and great bearer. The bush grows about eighteen inches in height—the branches are stout, and carry the pods well clear of the ground. The pods are tender and succulent, handsome golden-yellow, very uniform, and without spot. By mail, pkt. 10c., $\frac{1}{2}$ -pt. 20c., pt. 35c., quart 65c.; by express, quart 50c., $\frac{1}{2}$ -peck \$1.75.

NEW BLACK-EYED WAX BEAN.

This valuable new bean is a cross between the Black and Golden Wax varieties, and is superior in several respects to both parents. It is one of the earliest—probably the very earliest—wax bush bean in cultivation. It is a vigorous grower, heavy cropper, and very tender and finely flavored. The pods resemble those of the Black Wax variety, and are exceptionally tender and succulent; the individual beans being white, marked round the eye with a black spot. By mail, pkt. 10c., $\frac{1}{2}$ -pt. 15c., pt. 25c., quart 45c. By express, quart 30c., $\frac{1}{2}$ -peck \$1.00, peck \$1.75, bush. \$6.00.



HENDERSON'S NEW BUSH LIMA BEAN.—This is undoubtedly the most valuable vegetable novelty that has been introduced in many years. Thousands have been deterred from cultivating that most delicious of vegetables—the Lima Bean—from the great trouble and expense of procuring the unsightly poles on which to grow them. This is now a thing of the past, as **The New Bush Lima** grows without the aid of stakes or poles, in compact bush form, from 15 to 18 inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans. It is at least **TWO WEEKS EARLIER** than any of the climbing Limas. This fact alone would stamp it as the most valued novelty of recent years, but when in addition to this we realize that it is a true bush bean, requiring no supports, some idea of its great value can be realized. **The New Bush Lima** produces a continuous crop from the time it comes into bearing (it is fit for the table in the latitude of New York by

the middle of July) until frost, and being enormously productive, a very small patch will keep a family supplied with this splendid vegetable throughout the season. The beans are of the size of the Sieva or Southern Lima, and of delicious quality. By mail, pkt. 20c., ½-pint 50c., pint 90c., quart \$1.45. By express, quart \$1.30, ½-peck \$5.00.

LOW'S CHAMPION BUSH BEAN. An excellent bean either for string or shell; productive; vigorous; free from blight. The pods are long and handsome, with about five to eight beans in each; superb in quality either green or ripe. The plant has a fine, strong habit, and carries the beans well off the ground. Very hardy. By mail, pkt. 10c., pint 25c., quart 45c. By express, quart 30c., peck \$2.00.

DWARF MONT D'OR BEAN. A new bush variety of the favorite Pole Mont D'or, and one that can be highly recommended for earliness, hardness, and fine flavor. It is a great cropper, and unexcelled as a string or snap bean. Pods golden-yellow, and nearly round. By mail, pkt. 10c., pint 25c., quart 45c. By express, quart 30c., peck \$2.00.

BEST OF ALL BUSH BEAN. This new bean has won its way rapidly into public favor. It is early, productive, and of fine quality. The pods are green, succulent, stringless, and richly flavored. Excellent either for home use or for market. By mail, pkt. 10c., pint 20c., quart 35c. By express, quart 20c., peck \$1.25, bush. \$4.50.

NAVY BUSH FIELD BEAN. A well-known and standard variety, extensively used for field culture. Seeds small, round, and white. Good yielder. By mail, pkt. 10c., pint 20c., quart 35c. By express, quart 30c., peck \$1.00, bush. \$3.75.

BURLINGAME'S MEDIUM FIELD BEAN. In central New York this bean is very extensively cultivated, being considered superior to all others in earliness, productiveness, and fine quality. By mail, pkt. 10c., pint 20c., quart 35c. By express, quart 20c., peck \$1.00, bush. \$3.75.

PROLIFIC TREE BUSH BEAN. One of the most productive field varieties in cultivation. The habit of growth is very erect, the branches being carried well above the ground. Resembles the Navy Bean somewhat, but cooks better, and has whiter and more rounded seeds. By mail, pkt. 10c., pint 20c., quart 35c. By express, quart 20c., peck \$1.00, bush. \$3.75.

CRIMSON FLAGEOLET WAX BEAN. Vigorous growing variety with very large pods, which are long, flat, and very tender in quality. One of the very best beans for market—their large size and beautiful color making them very attractive. Medium early, very productive. We can recommend this variety very highly as being profitable alike for home use and for market. By mail, pkt. 10c., pint 25c., quart 45c. By express, quart 30c., peck \$2.00.

WHITE MARROWFAT BEAN. This is one of the best beans for use in a dry state during winter. Fine bearer, and excellent quality. By mail, pkt. 10c., pint 20c., quart 35c. By express, quart 30c., peck \$1.25.



GRISWOLD'S EVERBEARING WAX BEAN. Pods are handsome, thick, fleshy, entirely stringless, and exceedingly rich, buttery, and fine flavored when cooked. Their greatest value, however, is in their *everbearing* character, beginning to bear early, and continuing to produce their magnificent pods in great abundance throughout the entire season. The stock of seed, this season, is so small that we can only offer it in sealed packages. Pkt. 15c., 4 pkts. 50c., 10 pkts. \$1.00.

NEW LENTZ BEET. Round, smooth, very dark red, tender and sweet; a little larger than the Egyptian, fully as early, and better quality. Small top and fine keeper. A great favorite in the Philadelphia market, and one of the best round beets in cultivation. Packet 5c., ounce 10c., pound 75c.

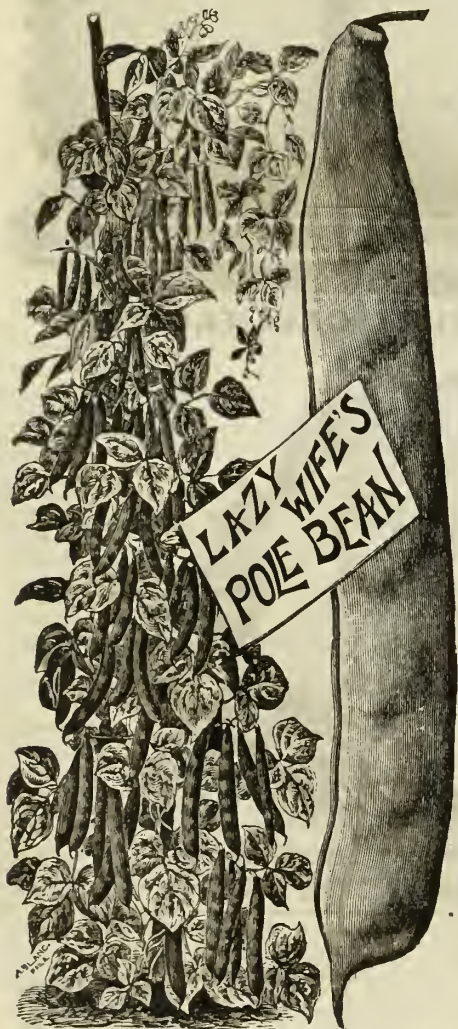
EDMAND'S BEET. This new beet is very deep blood-red in color, and exceedingly sweet and tender in quality, very round and smooth in shape, of good marketable size, not growing over large and coarse as many sorts of the turnip beet are apt to do where they have plenty of room. Highly recommended as second early market variety. Packet 5c., ounce 10c., pound 60c.



LAZY WIFE'S POLE BEAN. Large, pale green pods, very thick-meated, stringless, rich, tender, and buttery. Ripens early; clings well to the pole; enormously productive. Splendid either as a snap or shell bean. Retains its exquisite flavor until nearly ripe. A splendid new bean. By mail, prepaid, pkt. 10c., pint 40c., quart 75c. By express, not prepaid, quart 50c., 4 quarts \$1.75, peck \$3.00.

EMPEROR WILLIAM, or Broadsword Bush Bean. Enormously large, flat, green pods; prolific; good quality; very early. This is the largest-podded bush bean in cultivation. By mail, packet 10c., pint 25c., quart 45c. By express, quart 30c., peck \$2.00.

NEW GOLDEN ANDALUSIA WAX BEAN. Pods broad, flat, entirely stringless, and when fully grown, five or six inches in length; exceedingly rich, buttery, and fine flavored. Enormously productive. Packet 10c., 4 packets 35c.



ORIGINAL TRUE CROSBY CORN. One of the finest early sweet corns; twelve-rowed, dwarf habit, ears set very low, and of good size; cob white. There are many very inferior strains of Crosby on the market; ours is the true variety from the originator's stock, very carefully selected, and pure. We believe this to be the finest strain of Crosby in existence. Packet 10c., pint 25c., quart 45c.

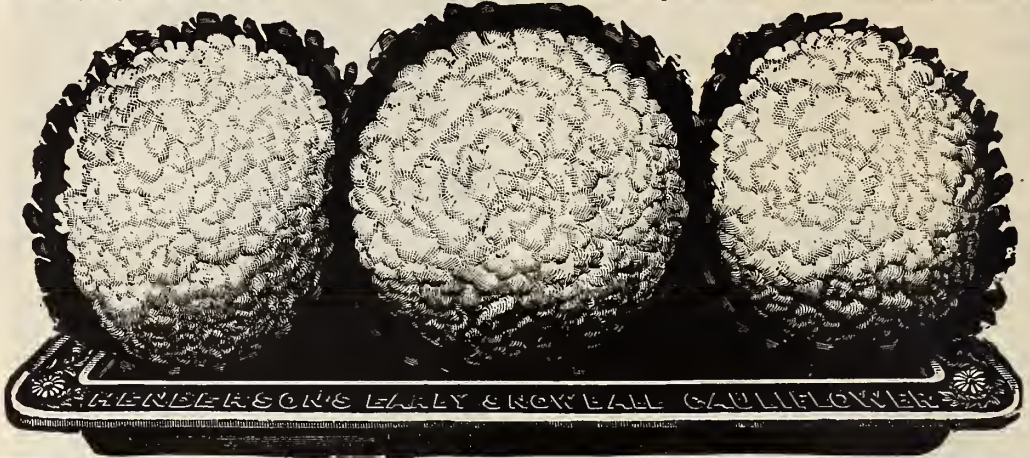
CLOUD'S EARLY DENT CORN. An excellent variety; very productive and early. The originator claims that it will produce more shelled corn from the ear, and will yield five or ten bushels more per acre than any other variety. By mail, pkt. 10c., quart 35c. By express, quart 20c., peck 50c., bush. \$1.50.

HICKORY KING CORN. New white corn; large kernels, very small cob; medium early; remarkably productive. One of the most profitable varieties either for market or home use. By mail, packet 10c., pound 25c. By express, quart 20c., peck 75c., bush. \$2.00.



HENDERSON'S SNOWBALL CAULIFLOWER. This strain of cauliflower is justly celebrated for its many sterling qualities, and by many cultivators is preferred to all others. It is very early and a sure

header; grows very close and compact. The heads are of snowy whiteness, and average about nine inches in diameter. It is of very dwarf growth, with small outer leaves, which make it well adapted for close planting, and for forcing under glass, as a great many plants can be put in a small space of ground. Our seeds of this excellent variety are procured direct from the originator, and are sold in the original packets, and under the originator's seal and trade-mark. Our customers can therefore depend upon getting nothing but the real variety at the same prices as charged by Messrs. Henderson. Packet 25 cents, quarter-ounce \$1.00, half-ounce \$2.00, one ounce \$4.00.



EXTRA EARLY DWARF ERFURT CAULIFLOWER.

There can be little doubt that this is the best cauliflower in existence for the United States, either for forcing under glass or for the open ground. According to comparative tests of this strain alongside of the best varieties now on the market, it is superior to all in the size of the head its snowy whiteness and compactness of growth. There are so many strains of Erfurt offered that it is very difficult to tell which is the best without some such test as we re-



fer to, as one specialist may ask a dollar an ounce for his seed, while another may want five times as much. It is not always the highest priced seed that turns out best, but in this case the results justify the "top notch" figure at which the Extra Early Dwarf Erfurt is held. There are few crops that depend so much on the quality of the seed as cauliflower, and although there is great temptation to save a dollar, we advise buying the best—and only the best. Packet 50c., quarter-ounce \$2.00, ounce \$7.00.

BOSTON PICKLING CUCUMBER. Our strain of this fine variety is unsurpassed, and cannot be too highly recommended. We know of nothing better for pickling, whether quality, yield, or appearance be taken into account. As shown in our engraving, the fruits are short and straight, and of a fine deep-green; unsurpassed for quality, and enormously productive. Our seed is true Arlington stock, and very fine. Packet 5 cts., ounce 10 cts., quarter-pound 30 cts., pound \$1.00.



JAPANESE BUCKWHEAT **NEW JAPANESE BUCKWHEAT.**

This new variety was introduced last season, and has proven itself to be a decided acquisition. It is a splendid yielder, being superior in this respect to the Silver Hull which was always considered, up till now, the best of all. The Japanese Buckwheat is more branching in habit than any other, and can be sown much thinner, thus requiring considerably less seed to sow down an acre. In addition to its great productiveness, it is at least from seven to ten days earlier, and makes better flour than any other kind of buckwheat. Judging from these facts, we are of the opinion that this new variety will, in a very few years, supersede all others in general cultivation. Seed is as yet relatively scarce, but we have a good stock on hand, and will supply as long as it lasts, at the following very low prices: By mail, prepaid, packet 10 cts., pint 20 cts., quart 35c. By express or freight, quart 20c., four quarts 50 cts., peck 75c., bushel \$2.00 four bushels at \$1.50 per bush.

NEW GOLDEN SELF-BLANCHING CELERY.

Since the introduction of the celebrated White Plume Celery there is no variety that has risen so fast in popular estimation as the Golden Self-Blanching. As its name implies it is self-blanching, the heart being of a beautiful golden-yellow, and even the outer leaves assume naturally a yellowish-white tint, without any banking whatever. We think this trait alone would have been sufficient to make it at once extremely popular; but in addition to this it is very superior in its close compact habit of growth, its perfectly solid, crisp ribs, and its delicious flavor. Altogether this is the handsomest, best-flavored, and most profitable variety of recent introduction, and destined to become a standard sort both for market and home use. It is an excellent keeper, and large growers for the market are planting greatly increased areas, finding it one of the most profitable and taking articles on their list, and it is ample evidence of the sterling qualities of this sort when these shrewd cultivators take hold of it in good earnest. They generally know a good thing when they see it, and in these days of sharp competition it is the wide-awake men who "get there." Our strain is specially selected, and we think will be hard to beat. Packet 10 cents, ounce 35 cts., quarter-pound \$1.00.



Extra Early Express Cabbage

This excellent extra early cabbage was introduced by Vilmoren last season, and we have pleasure in adding our indorsement to the originator's description: "Excels in earliness all sorts we have grown. Shape and appearance the same as 'Etampes, but with smaller head and eight to ten days earlier. It has few outside leaves; may be planted very close; yields splendid crops, and is an excellent variety for forcing." Packet 15 cents, ounce 40 cents.

NEW DWARF ROSE CELERY

The red celeries have never received the attention they deserve in the American markets, this fact being the more strange in view of the high estimation in which they are held by European gardeners. This neglect seems now in a fair way to be removed, the past year or two having developed a considerable demand for the red sorts, which they well deserve on account of their handsome appearance, as well as their peculiar nutty flavor, which they possess in a superior degree to any of the white varieties. The *New Rose* we can recommend as being one of the finest of the red sorts. Packet 5 cents, ounce 35 cents, quarter-pound \$1.25.



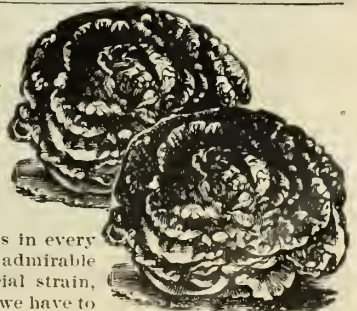
GOLDEN SELF-BLANCHING CELERY.

Buttercup Lettuce.

New variety from Germany; early, hard heading; beautiful foliage; tender and delicate flavor; good either for summer or winter. Packet 10 cts., ounce 50 cents, quarter-pound \$1.75, pound \$5.00.

Arlington Tennisball Lettuce.

Solid, crisp, finely-flavored variety; very compact dark green heads; hardy, and the finest out-door lettuce in cultivation. The strain of seed which we here offer is saved by one of the most successful market gardeners in Arlington, whose lettuces have carried off first premiums at the Massachusetts Horticultural Shows for two years in succession. The seed is saved from selected heads only, and is in every respect the same as this party uses for stock, so that it cannot fail to produce admirable results and please the most critical taste. We highly recommend this special strain, knowing that nothing finer in the way of lettuce can be obtained. The price we have to ask for this is a slightly enhanced one when compared with ordinary stock; but when the extraordinary pains taken in selecting and saving are considered, anyone who knows the importance of sowing the best seed will not hesitate on a few cents difference in the cheapest in this as in all other seeds. Packet 10 cents, ounce 40 cents, quarter-pound \$1.25, pound \$4.00.



ARLINGTON TENNISBALL LETTUCE.

New Blood-Red DRUMHEAD CABBAGE.

This is a great improvement on the Red Dutch, being earlier, larger, and a better header. The heads are round and solid, and very deep blood-red in color. It heads up very even and reliable—95 good, compact heads out of every 100. Pkt. 10c., 3 for 25c.

VANDERGAW CABBAGE. For a main crop and late cabbage this variety is unrivalled. Heads large, deep green, very tender, crisp and delicious; hard heading, reliable. Pkt. 10c., ounce 50c.

HYDE PARK CABBAGE. A selection from Flat Dutch; medium to late; very large, deep head, slightly rounding; fine texture; rarely bursts. A reliable variety for burying over winter. Excellent either for market or for home use. Pkt. 10c., ounce 40c.

CHICAGO PICKLE CUCUMBER. A very superior pickling variety. A special selection by one of the largest raisers in the vicinity of Chicago. Pkt. 5c., ounce 15c., 1/4-lb. 35c., lb. \$1.00.



GIANT GOLDEN HEART CELERY.

GIANT GOLDEN HEART CELERY. A fine selection from the Dwarf Golden Heart; large size, beautiful color, crisp, and deliciously flavored. One of the best celeries for market, and also desirable for home use. Pkt. 10c., ounce 50c., 1/4-lb. \$1.50, lb. \$5.00.

HARBINGER SWEET CORN. The largest early corn in cultivation; very early—ripening three days ahead of the "Cory." Excellent flavor, and free from any red color in cob or kernel. Ears eight-rowed, white, delicious flavor. Pkt. 15c., 4 for 50c.

MILLER'S CREAM MUSKMELON. One of the finest and best flavored melons in cultivation. Flesh rich salmon, very thick, sweet, rich and delicious. Rind thin, netted; large and very productive. Pkt. 10c., ounce 30c.

GREEN AND GOLD WATERMELON. The earliest and best yellow-fleshed variety; early, productive, fine flavor. Grows to good size, ranging from 25 to 45 pounds. A valuable acquisition. Pkt. 10c., oz. 30c.

WHITE GEM WATERMELON. A new round white melon of medium size; rind thin, but very tough; flesh pink, crisp; very sweet, and delicious flavor; hardy, productive, good shipper. Pkt. 10c., ounce 30c.

PEACH TOMATO. This variety resembles a peach very closely, and is appropriately named—the "Peach Tomato." The flesh is solid, rich, and finely flavored. Productive, and well worthy of a place in every garden. Pkt. 10c., ounce 50c.

GARDINER'S SELECT GOLDEN BALL TURNIP.

This is a selection from the Robertson's Golden Ball, and a great improvement on that well-known sort. Our engraving, which is drawn from a photograph, gives a very good idea of the shape, which is almost globular. The color is a very deep, rich golden-yellow. Skin very smooth; flesh pale yellow, sweet, and well flavored. Grows very deep in the ground, has small neck and tap root. Medium early, the best table turnip in cultivation for autumn and winter use. Keeping qualities almost equal to that of the ruta bagas—remarkably hardy. Pkt. 10c., oz. 25c., 1/4-lb. 75c.

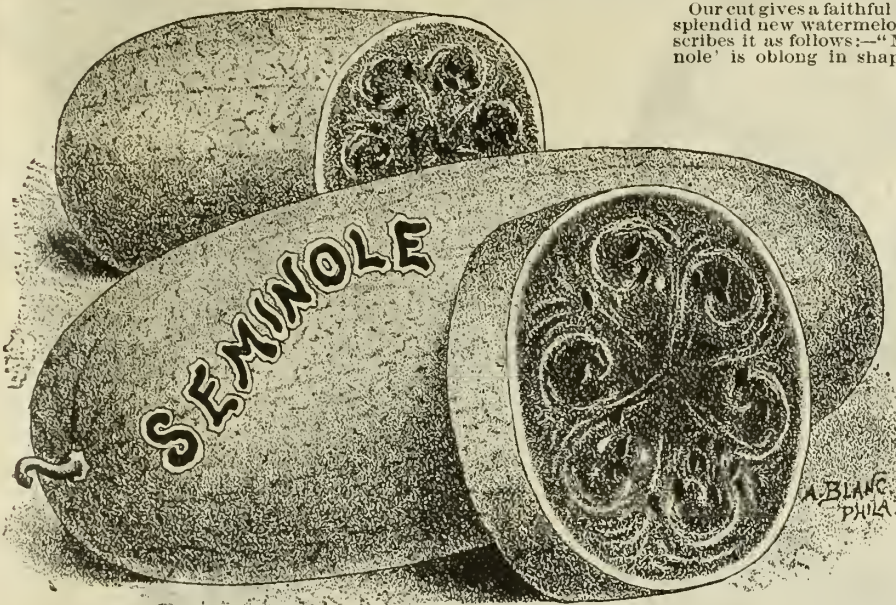
GARDINER'S SELECT WHITE MODEL TURNIP.

The handsomest white garden turnip in cultivation. The bulb is nearly round, perfectly smooth and snowy-white; small neck and tap root; it is of splendid quality, fine-grained, tender and sugary. Pkt. 10c., oz. 25c., 1/4-lb. 75c.



NEW WATERMELON "SEMINOLE."

EXTRA EARLY! EXTRA LARGE!! ENORMOUSLY PRODUCTIVE!!! DELICIOUS FLAVOR!!!!



Our cut gives a faithful representation of this splendid new watermelon. The originator describes it as follows:—"My new melon 'Seminole' is oblong in shape, smoothly and beautifully proportioned; it is of two colors, gray and light-green; the latter seems to be just a darker coloring of the former; the gray color predominates; melons of both colors are found on the same vine; both colors are exactly the same in shape, size, color of seed, flavor, etc. This new melon possesses four qualities which will make it the most popular melon ever offered to the public. It is extra early, enormously productive, extra large, and of most delicious flavor. It is in every respect a perfect melon." Packet 5 cts., oz. 15 cts., quarter-pound 40 cts., pound \$1.50.

GARDINER'S MAMMOTH POMPEII ONION.—This remarkable onion originated in the neighborhood of the ancient buried city of Pompeii, in Italy. Our seeds of this and Silver King, and in fact all our Italian onions are imported by us direct from the onion growing district in Italy, and can be thoroughly relied for purity and excellence. The remarkable size and fast growing qualities of this onion may be judged from the fact that Mr. Alfred Rose grew one specimen weighing four pounds from seed the first year, and onions weighing from four to four and three-quarter pounds the second year from small bulbs are nothing uncommon.

GARDINER'S MAMMOTH

POMPEII ONION



The remarks under the head of "Mammoth Silver King" are equally applicable to the "Mammoth Red Pompeii." In size and shape the two varieties are almost identical, the only difference being in color. The Pompeii is equally large and mild flavored, and makes an excellent companion to the magnificent "Silver King." We recommend it very strongly to all who are unacquainted with it. Those who know it need no words of ours to increase their high estimation of this splendid onion. Packet 5 cents, ounce 20 cents, quarter-pound 50 cents, pound \$1.75

NEW WHITE BARLETTA ONION.

NEW JAPANESE PIE PUMPKIN.



NEW WHITE BARLETTA ONION.—The New White Barletta is something in the way of White Queen, but is at least three weeks earlier than that excellent variety. It is a decided acquisition on account of its extreme earliness and other good qualities. The skin is a beautiful waxy white; flesh very mild in flavor and snowy white. The bulbs average about one and a quarter inches in diameter, and are beautifully rounded and somewhat flattened at the top, as shown in the engraving. We know of nothing better than this for a very early onion, and on account of this it will undoubtedly be largely used as a substitute for onion sets in many sections. Packet 10 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.75.



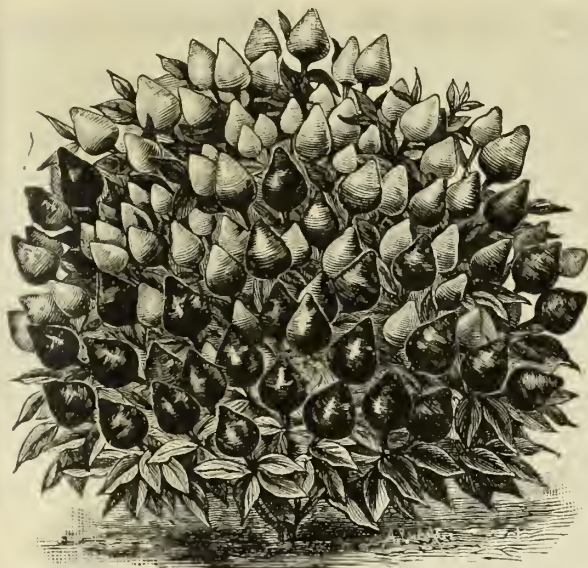
NEW JAPANESE PIE PUMPKIN.—Among the many wonderful things emanating from the "Flowerly Kingdom," this new pumpkin is certainly one of

the most remarkable. Unlike many other oddly-shaped vegetable products this pumpkin does not stand on its "shape" in its claims for public favor, as it has proved itself one of the finest varieties for cooking purposes in cultivation, and unequalled for making pies, custards, etc. The flesh is a rich salmon color, fine grained, and very sweet. Grows to a weight of from fifteen to twenty pounds; is very productive; ripens early, and is an excellent keeper. Packet 5 cents, ounce 20 cents, quarter-pound 50 cents, pound \$1.75.



MAMMOTH SILVER KING ONION.—Italian onions are becoming more and more popular as the years roll by, and deservedly so, for in addition to their generally large size and mild flavor they are peculiarly adapted to our climate, growing well in all parts of the country. The Mammoth Silver King is one of the largest of all, weighing from two to three pounds, and specimens weighing as high even as four to four and three-quarter pounds are not uncommon. The shape is flat but thick, as shown in the engraving; skin silvery white; flesh mild, delicate, and of snowy whiteness. It is early, and will grow onions weighing from two to four pounds the first season from seed. We cannot recommend this handsome and popular variety too highly. It is really magnificent and ought to be largely grown, both for home use and for market. With its worthy companion, the "Mammoth Pompeii," we know of no better investment in the way of fine onions, and all who have not given the "two giants" a trial should not fail to do so. Packet 5 cents, ounce 20 cents, quarter-pound 50c., pound \$1.75.

**EXTRA EARLY
FORCING * RADISHES.**



NEW CELESTIAL PEPPER.

The following varieties of Radishes are well adapted for forcing on account of their earliness. The tops are small, making them excellent for growing under glass; and their fine shape and color is particularly noticeable and attractive. For market purposes they are unsurpassed. Our seed is very carefully selected, being saved from transplanted stock only.

Early Round Deep Scarlet Forcing. A distinct new type of perfect form; round and smooth; fine deep scarlet color and short top; flesh white, crisp, and pleasant; very quick grower. Pkt. 5c., oz. 10c., 1/4-lb. 30c., lb. \$1.

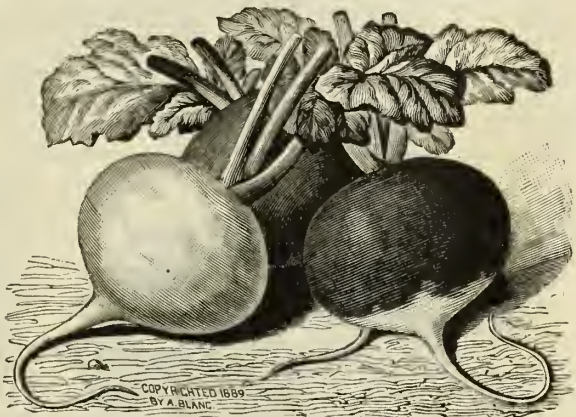
Early Round Scarlet White-Tipped Forcing. Most attractive variety; beautiful scarlet tipped with white; smooth and even in form; very quick grower, and excellent flavor. Pkt. 5c., oz. 10c., 1/4-lb. 30c., lb. \$1.

Early Round White Forcing. One of the earliest and best for forcing; round, smooth, pure white; small top and tap root; crisp, and mild in flavor. Pkt. 5c., oz. 10c., 1/4-lb. 30c., lb. \$1.00.

Non Plus Ultra Forcing. This splendid new radish is of fine, round form; bright scarlet, short top, fine flavor; of remarkably quick growth, and one of the very best of the new forcing radishes. Pkt. 5c., oz. 10c., 1/4-lb. 30c., lb. \$1.

NEW CELESTIAL PEPPER. This is not only one of the most useful varieties for culinary uses, but also one of the most handsome and attractive. It is of compact habit, growing about 2 1/2 feet in height, and bearing the fruits well above the foliage, as shown in the engraving. Each pepper is beautifully variegated with bright golden and deep red, sometimes striped or variegated; immensely productive. Quite hardy, and easily grown. Pkt. 10c., oz. 50c.

PEPPER, RUBY KING. We have a very fine strain of this splendid pepper, selected during the last few years from the largest and finest fruits, and much superior to the stocks usually found on the market. The Ruby King is an enormous bearer, each stalk having from ten to fourteen large peppers. Many of the fruits measure seven inches in length, and four to five inches in diameter. They are of a beautiful ruby-red, thick-meat, and mild in flavor. Their flavor is so pleasant that they can be sliced and eaten raw, like tomatoes or cucumbers. The best pepper for mangoes in cultivation. Pkt. 10c., oz. 35c., 1/4-lb. \$1.00.



EXTRA EARLY FORCING RADISHES.

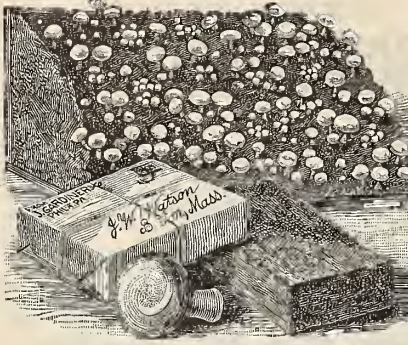


THE DUCHESS PEA. This splendid new Pea is something after the style of Duke of Albany, but is earlier and a heavier cropper than that excellent variety. It is a second early, and a very heavy cropper. The pods measure 4 1/2 inches in length, are perfectly straight, and contain 9 very large peas in each. The peas are remarkably large, and very sweet. When ripe, the peas are deep green and wrinkled. For size, fine appearance, and excellent quality it is unexcelled, and deserves a place in every garden. A grand exhibition variety. Pkt. 10c., 1/2-pint 40c., pint 75c.

WM. HURST PEA. A promising new variety a little taller than American Wonder, but quite as early, and has larger pods. It is a good cropper, and fine flavored. The pods are curved and handsome, and considerably larger than American Wonder. The peas are blue and wrinkled. A very distinct and valuable introduction. Pkt. 10c., 1/2-pint 40c., pint 75c.

PHILADELPHIA EXTRA EARLY PEA. This pea is still the best early round pea for market gardeners, and although old and well-known, has still to be beaten as a first early of all round good quality. Height two feet. We claim to have as fine a selection as any of our competitors, and better than most, without asking you to pay for anything but good seed. By mail, pkt. 10c., pint 20c., quart 40c. By express or freight, quart 25c., 4 quarts 75c., peck \$1.25, bush. \$3.00.

Gardiner's Genuine Milltrack Mushroom Spawn.



Although the Mushroom is one of the most delicious, and, at the same time, most nutritious of all known esculents, its cultivation is not generally understood, and its use is much more limited than it ought to be. There are indications that this neglect is in a fair way to be removed now that commercial gardeners, as well as private families, are turning their attention to its culture, and we think that in the near future the Mushroom is destined to take its true place as one of the most important and delicious of esculents, which no well-appointed household can afford to do without. We have had so many inquiries regarding the cultivation of Mushrooms, that we have prepared and published an 8-page pamphlet written by a practical grower, which gives, in a concise form, all necessary information for the successful raising of the best Mushrooms. This pamphlet will be sent free to any one interested. We make a specialty of supplying the genuine English Milltrack Mushroom Spawn. It is specially prepared for our trade by one of the best Mushroom growers in Worcestershire. We receive four importations of a year, so that customers can depend on receiving the Spawn fresh and genuine at all times. By mail, post-paid, 22 cts. per lb.; 5 lbs. for \$1.00. By express, at customers' expense, 10 lbs. for \$1.20; 50 lbs. for \$5. Special prices on large lots.

LORILLARD FORCING TOMATO. This new Tomato, raised by Messrs. extra good forcing qualities, uniformity of ripening over the whole surface, fine flavor, very solid, and of beautiful, smooth appearance. Besides its great merits for forcing under glass, it is superior for out-door cultivation. It is said to be the earliest and most prolific, possessing great rot-resisting properties, while its solidity and endurance, and handsome appearance after maturity must recommend it alike to the shipper and market gardener. Packet 15c.

NEW DWARF CHAMPION TOMATO. This new variety has fully met the high claims which were made for it, and we consider it a valuable addition to this important class of vegetables. The habit of growth is dwarf and compact, with thick, short-jointed stems of so sturdy a nature that it makes the plant absolutely self-supporting, a feature which is possessed by no other variety. It is probably the earliest in cultivation, a feature, the importance of which cannot be over-rated from the market gardeners' standpoint. Fruit purplish-pink, smooth, and symmetrical. Flesh solid, and of excellent quality. Packet 10c., ounce 40c., 1/4-lb. \$1.00.



NEW DWARF CHAMPION TOMATO.

VEGETABLE PEACH. This new fruit belongs to the melon family, but has a flavor entirely distinct and peculiar to itself. The only thing to which it can be compared is the peach, and it resembles the flavor of that delicious fruit in a remarkable degree. The Vegetable Peach is not only enormously productive, and good for use in the same way as melons, but it forms an excellent substitute for peaches for making into pies, puddings, etc. The flavor after it is cooked can hardly be distinguished from the peach. All who have tried this excellent new vegetable are delighted with it. Pkt. 10c., oz. 20c., 1/4-lb. \$1.50, lb. \$5.00.

PIKE'S PEAK, or SIBLEY SQUASH. A very distinct new variety. It is hard-shelled, pale green, thin, and flinty; flesh brilliant orange, solid and thick, rich, dry, and splendid flavor. Grows to moderate size—from 8 to 11 pounds—is remarkably vigorous, ripening about with the Hubbard. A splendid keeper; retaining its fine flavor, and remaining perfectly sound until the last of March. Pkt. 10c., oz. 20c., 1/4-lb. 70c., lb. \$2.50.

Do You Intend to Build? New Atlas—entitled SENSIBLE LOW-COST HOUSES—How to Build Them—now ready. This contains plans, illustrations, and complete descriptions of 56 New, Beautiful, and Cheap Country Houses, costing from \$800 to \$7500. Shows how you can build a \$2000 house for \$1750, and how to make them handsome, convenient, healthy, light, cool and airy in summer, warm and cheaply heated in winter. Price, \$1 by mail; given free with an order for \$5 from this catalogue.

MODERN HOMES FOR THE COUNTRY.—A condensed volume containing much information. Fully illustrated with plans and perspective views. Price, 25 cents by mail, or given free with an order for \$2.00 from this catalogue.

"THE GARDEN'S STORY."

By GEO. H. ELLWANGER.

A Charming New Book Just Published.



A delightful book—dainty, learned, fresh as the month of May. A combination of literary grace with experience, practical and theoretical, is rare in contemporary garden literature. If we except Canon Hole's charming work on "The Rose" (which reads like a romance), or E. P. Roe's racy and clever "Play and Profit," there are very few books of our time that can compare with "The Garden's Story." Mr. Ellwanger has earned the gratitude of all lovers of the gentle craft in writing this idyl of the garden, and it gives us pleasure to call attention to it. The book is a handsome 16mo. volume of 356 pages, cloth gilt. Publisher's price, \$1.50. We will mail free, to any address, for \$1.38.



GARDINER'S CHOICE VEGETABLES & GENERAL LIST

IN the following pages we catalogue all the standard varieties of vegetable seeds of acknowledged merit. The descriptions of each being accurately and concisely given from our own observations during an experience of many years. On our extensive farms at Downingtown, Chester County, Pa., we test every year all novelties as they appear, as well as all our stocks of the standard varieties, and this system enables us, by careful comparisons, to select only those sorts that are adapted to our climate and worthy of extended cultivation. No new variety is allowed into our general list of vegetable seeds, however highly lauded, that does not show a decided improvement in its leading characteristics, over pre-existing kinds. Our constant aim is to supply seeds of the very choicest quality only, and we spare no pains to accomplish this end. Market Gardeners, Farmers, and all who use seeds, can rely on our seeds being the very best that it is possible to procure, and it is impossible to over-rate the importance of this fact.

SEEDS POST-PAID, BY MAIL.

Our prices in the following list include prepayment of postage on all seeds ordered by the Packet, Ounce, Quarter-pound, Pound, Pint, or Quart. Thus, you have only to send us the catalogue price, and we guarantee safe delivery by mail, postage pre-paid.

LIBERAL PREMIUMS

ON ALL ORDERS FOR SEEDS IN PACKETS the purchaser may select **TWENTY-FIVE CENTS' WORTH EXTRA FOR EACH ONE DOLLAR SENT US.** Thus, any one sending us \$1.00, can select seeds in packets amounting to \$1.25; for \$2.00, seeds in packets to the value of \$2.50; for \$3.00, to the value of \$3.75, and so on. Please tell your friends of our liberal offers. This discount applies **only to seeds in packets.** POSTAGE STAMPS ACCEPTED THE SAME AS CASH.

ARTICHOKE. Lat.—*Cynaria scolymus.* Ger.—*Artichoke.* Fr.—*Artichaut.* Sp.—*Alcachofa.* The artichoke is highly esteemed both in this country and in Europe as a salad, and also cooked and eaten like asparagus. The parts eaten are the fleshy heads of the stalks, or more properly, the scales of the calyx or receptacles of the flower.

Culture.—Sow the seeds in spring, broadcast, and cover one inch deep. They may also be sown in drills about ten inches apart. A light, rich loam will suit them best—rather moist, and well trenched and manured. When the seedlings are well up, they should be transplanted into rows four feet apart, and two feet apart in the rows. Keep the ground well watered during dry weather. They will reach perfection the second year, and require to be protected during winter by tying up the heads and covering with litter. The heads should be cut off only when young, in which stage they are a most tender and delicious vegetable. If left until the flowers expand, they are unfit for culinary purposes.



GREEN GLOBE ARTICHOKE.

ARTICHOKE, GREEN GLOBE.—A large, very highly-flavored variety. The best for general crop. Packet 10 cents, ounce 30 cents, quarter-pound 90 cents, pound \$3.00.

ASPARAGUS. Lat.—*Asparagus Officialis.* Ger.—*Spargel.* Fr.—*Asperge.* Sp.—*Asparrago.* One of the most productive, economical, and healthful of all garden vegetables. Seeds may be sown in a rich, sandy loam in drills one foot apart, in April or May. Carefully cultivate, and keep down all weeds during the summer. The following spring the plants may be transplanted into the permanent bed, which should be five feet wide and any desirable length, and trenched two feet deep, and well manured. Three rows of plants will suffice for each bed, the plants one foot apart in the rows. Cover the crowns four inches deep. As soon as the tops are cut down in the fall, cover with a top-dressing of coarse manure, which may be forked in early in the spring. A partial cutting may be made the third year, but it will add materially to the vigor of the plants if none be cut until the fourth year. In locations away from the seashore a



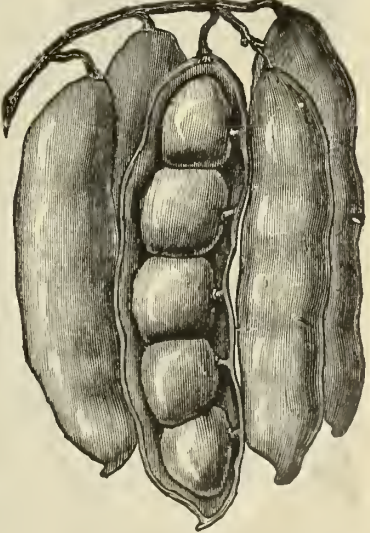
CONOVER'S COLOSSAL ASPARAGUS.

top-dressing of two pounds of coarse salt to the square yard will be beneficial.

ASPARAGUS, CONOVER'S COLOSSAL.—The standard sort. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents. **Two-Year-Old Roots,** by express, \$1.00 per hundred, \$6.00 per thousand.

BEANS, English. Lat.—*Faba vulgaris.* Ger.—*Grosse Englische Bohnen.* Fr.—*Fève de Marais.* Sp.—*Haba Inglis.* The English Garden Bean differs altogether from our common American Bean, and requires totally different soil and treatment. Our common bean thrives in a light soil under a high temperature, whereas the English variety delights in a stiff, moist situation, and a cool, humid climate. Plant the seeds as early as possible in spring in rows two feet apart. As the pods commence to form, pinch back the shoots, to prevent the plant running to vine. Pick the pods for cooking when they have reached about half their natural size.

ENGLISH BEAN, BROAD WINDSOR.—The best variety for general use. Packet 10 cents, pint 25 cts., quart 45 cents.



ENGLISH BEAN, BROAD WINDSOR.

BEANS—DWARF OR BUSH.

We mail free at the undernoted prices. Those paying their own express charges may deduct 8 cts. per pint, 15 cts. per quart.

Plant in light rich soil in drills two feet apart; drop the seeds three inches apart and cover with soil two inches. If planted in hills, these may be made about three feet apart, allowing about six to ten plants to each hill according to the vigor of growth of the variety. Sow every two weeks for succession. One quart will plant a drill 100 feet long or about 200 hills.

CANADIAN WONDER.—Large green pods, broad and flat; very prolific. Packet 10c., pint 25c., quart 45c.

EARLY VALENTINE.—Round green pods; early and tender, good for string or pickling. Packet 10 cts., pint 20 cents, quart 35 cents.

EARLY MOHAWK.—Long, straight, flat pods, good for string; early, hardy, productive. Packet 10 cents, pint 20 cents, quart 35 cents.

EARLY CHINA.—Early, prolific, good for string or shell. Packet 10 cents, pint 20 cents, quart 35 cents.

LONG YELLOW SIX WEEKS.—Standard sort; early, productive, excellent; full flat pods, string. Packet 10 cents, pint 20 cents, quart 35 cents.

IMPROVED DWARF HORTICULTURAL.—Large, early, excellent for market, splendid for string. Packet 10 cents, pint 20 cents, quart 40 cents.

BLACK WAX BUSH.—Round wax pod; early, stringless, excellent. Packet 10c., pint 25c., quart 40c.

WHITE WAX.—Waxen pods; flat, stringless, prolific, excellent. Packet 10c., pint 25c., quart 40c.

IVORY POD WAX.—Half transparent waxy pods; delicate, early, stringless; matures in forty days. Packet 10 cents, pint 25 cents, quart 40 cents.

GOLDEN WAX.—Round golden waxy pods; early, prolific, stringless; the finest wax bean. Pkt. 10 cents, pint 25 cents, quart 40 cents.

IMPROVED REFUGEE OR GALEGA.—Green pods, large, productive, excellent; a great improvement on the old Refugee. Pkt. 10c., pt. 25c., qt. 40c.

WHITE KIDNEY.—Excellent shell bean, either green or ripe. Packet 10 cts., pint 25 cts., quart 45 cts.

WONDER OF FRANCE.—Long, straight, bright green pods; early, productive, excellent, retains its beautiful green color even when cooked. One of the finest shell beans. Packet 10c., pint 35c., quart 60c.

POLE BEANS.

This class is less hardy than the dwarfs and should not be planted until one or two weeks later, when all danger of late spring frosts is over. This applies more especially to the Limas, which are the tenderest of all. Set the poles from three to three and one-half feet apart, slightly raising the soil around them. Allow four or five beans to every hill, at this rate a quart of Limas would plant about 100 hills, and sorts with smaller sized beans about 200 hills. In planting the seeds the eye should be placed downwards to allow the cotyledons to expand and rise the more readily. The later ripening sorts should be pinched back when about five feet in height, in order to send the strength of the plant into the pods.

LONDON HORTICULTURAL POLE OR SPECKLED CRANBERRY.—Good either as a string or shell bean; popular, profitable, excellent. Packet 10 cents., pint 20 cents., quart 40 cents.

DUTCH CASEKNIFE.—Long, green, flat pods, good either string or shelled; early, excellent. Packet 10 cents, pint 20 cents, quart 40 cents.

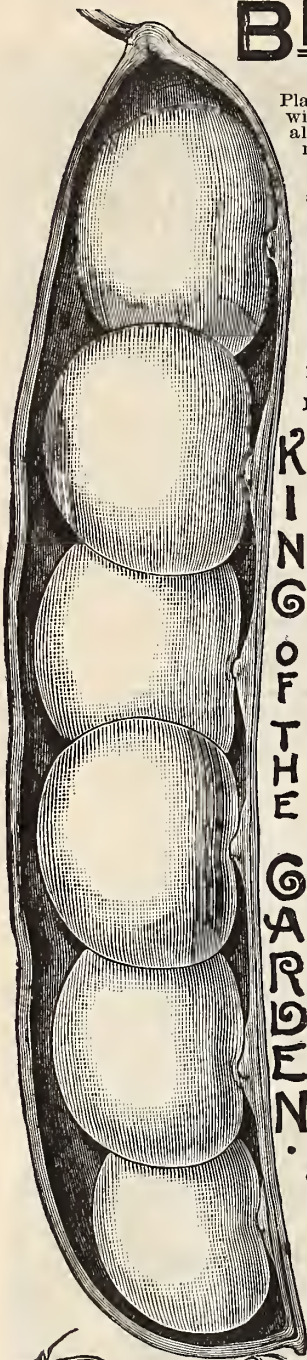
SOUTHERN PROLIFIC OR KENTUCKY WONDER.—Long, round pods, produced in clusters; a splendid string bean, early, prolific, profitable. Packet 10 cents, pint 25 cents, quart 45 cents.

LARGE WHITE LIMA.—One of the best shell beans grown; matures in ninety days, very popular. Our seeds of this variety are extra selected, large and fine. Packet 10 cents, pint 25 cents, quart 50 cents.

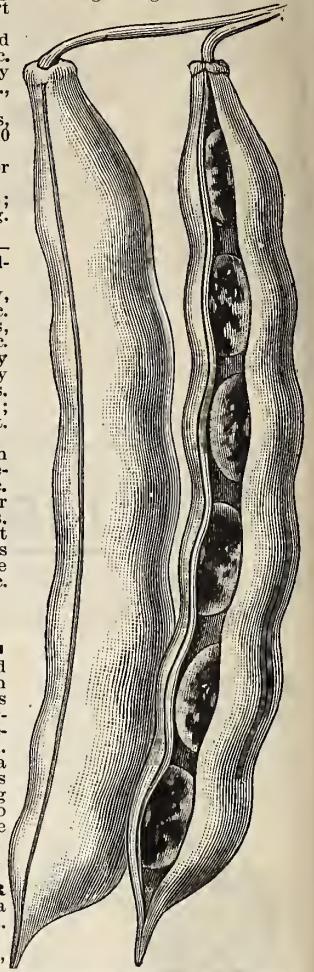
KING OF THE GARDEN LIMA.—When green, much larger in pod and bean than the ordinary Large Lima; vigorous, productive, handsome, popular, excellent; two vines will be sufficient for each pole. Packet 10 cents, pint 25 cents, quart 50 cents.

DREER'S IMPROVED LIMA.—A smaller bean than the common Lima, but earlier, more productive and better quality. Packet 10 cents., pint 30 cents, quart 55 cents.

LAZY WIVES POLE BEAN.—This variety originated in Bucks County, Pennsylvania, where, for a number of years, it has been the most popular pole bean grown. Pods are wonderfully broad, thick, fleshy, and, above all, ENTIRELY stringless. Pods are rather flattish, oval shape, and, when fully grown, are from four to six inches long, exceedingly rich, buttery and fine flavored when cooked. They are hardy, easily grown, and enormously productive. Packet 10 cents, pint 30 cents, quart 60 cents.



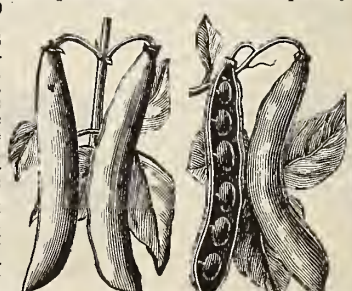
KING OF THE GARDEN LIMA.



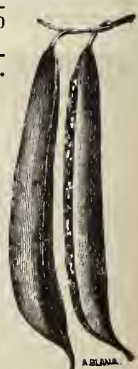
IMP'D HORTICULTURAL BUSH BEAN.



LONDON HORTICULTURAL POLE BEAN. EARLY LONG YELLOW SIX WEEKS BUSH BEAN.



GOLDEN WAX BUSH BEAN. BLACK WAX BUSH BEAN.



EARLY RED VALENTINE BUSH BEAN.

POLE BEANS.—CONTINUED.



EXTRA EARLY GOLDEN CLUSTER WAX.—Long golden-yellow pods borne in clusters; extra early, stringless, snaps easily, vigorous, prolific, popular; quality tender, delicious. Packet 10c., pint 35c.

BEST OF ALL POLE.—One of the finest pole beans of recent introduction; we have much pleasure in calling attention to its great merits. It is unequalled for earliness, productiveness and fine quality. The introducer speaks of it as follows, and we can add our unqualified testimony to the truth of all he says:

"The pods are medium in length, a beautiful light green color, almost crystal, round, entirely stringless, remarkably rich, tender and buttery when cooked, of the best possible flavor, and when once tried they will never be given up. The pods are fit to use when only two or three inches long, keep their fine, tender, rich and buttery qualities until fully ripe. But the most wonderful property that this bean has over any other is that they remain good for String Beans all Winter. To have them good in this way, they should not be planted near other beans, and when ripe pick them carefully from the vines. Keep in cool, dry place. When wanted in winter, break up in pieces same as green beans, soak over night in cold water, boil next day for dinner, and you will find them just as tender, rich and buttery as when picked freshly from the vines in summer.

"Besides the above valuable qualities which we have mentioned about Best of All Bean, we claim it to be the most productive bean in cultivation.

When planted on good soil and properly cultivated, they are a sight to behold, being almost a solid mass of pods from the bottom of the pole to the top. Our artist has failed to portray, in the accompanying illustration, the enormous productiveness of this valuable bean, as the vine was photographed when only partially grown, and before the beans had come to maturity. On account of their extra bearing qualities, they are the most valuable to plant for a winter shell bean, as large crops can be grown among corn, and, being a handsome medium-white bean, will bring the highest price in the market. We have never yet been able to supply the demand for this splendid bean."

By mail, packet 10 cents, pint 25 cents, quart 50 cents.
By express or freight, quart 35 cents, four quarts \$1.25, peck \$2.00.

BLACK WAX POLE.—Yellow pods; good snap bean, thick, tender, excellent. Packet 10 cents, pint 25 cents, quart 50 cents.

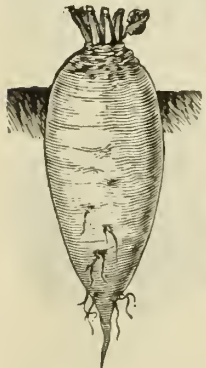
SCARLET RUNNER.—Very ornamental on account of its bright scarlet flowers; also a good string bean. Packet 10 cents, pint 25 cents, quart 45 cents.

WHITE RUNNER.—Similar to the scarlet except in the flower; planted together the effect is excellent. Packet 10 cents, pint 25 cents, quart 45 cents.



BEST OF ALL POLE.

BEET. Lat.—*Beta vulgaris*. Ger.—*Runkel Rube*. Fr.—*Betterave*. Sp.—*Beterraga*. Sow as early in spring as the ground can be worked, in light, well-manured soil, in drills twelve inches apart, covering the seeds one inch deep and pressing the soil firmly over them. Thin out four inches apart for table beets, and eight to twelve inches for field beets; cultivate frequently. One ounce of seed will sow 100 feet, six to eight pounds are required for an acre.



WHITE SUGAR BEET.—cups, ounce 10 cents, quarter-pound 60 cents.



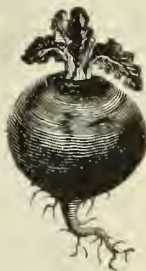
IMPROVED LONG SMOOTH BLOOD BEET.



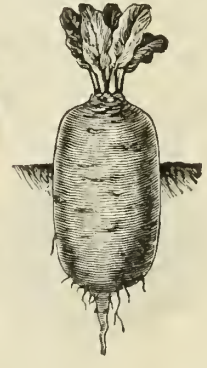
EGYPTIAN TURNIP BEET.



ECLIPSE BEET.



DEWING'S IMP. BLOOD TURNIP BEET.



GOLDEN TANKARD MANGEL.

BASSANO.—Flat, turnip-shaped, light red, extra early, popular. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents.

EARLY BLOOD TURNIP.—Good form, dark-red, well flavored; a favorite for summer and winter use. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.

BASTIAN'S.—Turnip-shaped, extra early, light red; popular, profitable, delicious flavor. Pkt. 5c., ounce 10c., quarter-pound 20c., pound 60c.

YELLOW TURNIP.—Tender and good. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 75 cents.



EARLY BASSANO BEET.

DEWING'S.—Turnip-shaped, early, blood-red, good flavor; fine market sort. Packet 5 cts., ounce 10 cts., quarter-pound 20 cents, pound 65 cents.

IMPROVED LONG SMOOTH BLOOD.—Large, late, deep blood-red; popular, profitable, good. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 45 cents.

SWISS CHARD (Silver or Sea Kale Beet).—Cultivated for its leaves only, the midribs of which are cooked like asparagus. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.

BEET, Mangel Wurzel.

The following varieties are grown entirely for feeding stock, and are one of the most important and valuable crops on which the farmer has to depend for a plentiful supply of fresh and healthful stock feed. From a single acre of land in good condition, thirty or forty tons are frequently harvested, and exceptional crops of fifty and even sixty tons are recorded. Sow at the rate of four to six pounds per acre.

MAMMOTH LONG RED MANGEL.—Very large and productive, a much improved strain. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.

MAMMOTH LONG YELLOW MANGEL.—Similar to preceding, except in color. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.

KINVER YELLOW GLOBE.—Bright yellow, large, productive, profitable, fine quality. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 45 cents.

RED GLOBE MANGEL.—Large, productive, fine keeper. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 45 cents.

GOLDEN TANKARD MANGEL.—Bright yellow, large, handsome, heavy cropper, splendid quality; one of the finest mangels; as high as seventy tons per acre is recorded for this variety. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.

IMPROVED WHITE SUGAR BEET.—Does not grow quite so large as the Mangels, but is much sweeter, and unsurpassed as a feed for milch cows, greatly improving the quality and yield of the milk. Extensively grown for making sugar. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 45 cents.

BRUSSELS SPROUTS. Lat.—Brassica oleracea var. Ger.—Sprossen Kohl. Fr.—Chou de Bruxelles. Sp.—Breton de Bruxelles.

A variety of cabbage which produces many small heads from the side of the stem. Cooked the same way as cauliflower. They are very delicate and delicious. Cultivate the same as cabbage. The crop will be ready for use after the first frosts in October.

IMPROVED DWARF.—The standard sort. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

DALMENY PARK.—A hybrid between the Savoy Cabbage and Brussels Sprouts. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$1.50.

SCRYMGEOUR'S GIANT.—Very compact, close-headed variety. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$1.50.



IMPR'D DWARF BRUS. SPROUTS. 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$1.50.

BORAGE. Lat.—Borago officinalis. Ger.—Borretsch. Fr.—Bourache. Sp.—Borraja. Used as a salad or boiled like Spinach, and as a garnish. Palatable only while young. Sow at intervals, in drills, one foot apart, and transplant when about five or six weeks old. Packet 5 cents, ounce 15 cents, pound \$1.00.



EARLY PURPLE CAPE BROCCOLI.

in early July. Thrives best in a cool, moist atmosphere, and whatever will counteract the drought of our hot summers, will assist in the perfect development of the plants.

EARLY WHITE CAPE.—Heads medium, compact; creamy white. Packet 10 cents, ounce 40 cents, quarter-pound \$1.25.

EARLY PURPLE CAPE.—Greenish-purple heads; hardy; good flavor. Packet 10 cents, ounce 40 cents, quarter-pound \$1.25.

BROCCOLI. Lat.—Brassica oleracea botrytis. Ger.—Spargel kohl. Fr.—Chou Broccoli. Sp.—Brocoli.

Resembles Cauliflower, but hardier. Sow in a hot-bed in May, and transplant to rich, mellow soil



EARLY WHITE CAPE BROCCOLI.

BASIL, Sweet. Lat.—Ocimum basilicum. The

leaves of this plant have a strong, aromatic, clove-like odor, and are used for seasoning and salads. Sow in spring, in rows twelve inches apart, and, when strong enough, thin out to five or six inches between each plant. Packet 5 cents, ounce 25 cents.



BASIL, SWEET.

BURNET. Lat.—Poterium sanguisorba. Ger.—Pimpernell. Fr.—Pimpernelle petite. Sp.—Pimpinella.

Leaves used for salads and soups. Sow in drills ten inches apart, one-half inch deep, and thin to five or six inches apart in the rows. Packet 5 cents, ounce 10 cents, pound \$1.25.

CABBAGE.

Lat.—Brassica oleracea capitata. Ger.—Kopf Kohl. Fr.—Chou cabus. Sp.—Repollo. A deep, rich, loamy soil is most suitable for cabbages. New land is preferable, and should be deeply dug and heavily manured. A mixture of salt and ashes applied to growth and keeping down the maggot. For early use,

the hill, when transplanting, is excellent for promoting growth and keeping down the maggot. For early use, sow in a hot-bed February or March, and transplant to a cold-frame as soon as large enough. In April the plants may be set out in the rows, eighteen inches apart, and three feet between each row. For late crop, sow in a nursery bed May or June, and transplant as soon as the plants are five or six inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows. There is no vegetable in which the character of the seed is of more importance than this, and great care has to be taken in selecting the seed from the most compact and best-formed heads. American-grown seed from the Eastern States is much superior to that which is imported, and commands a better price. **Good seed; deep, rich soil; plenty of manure; thorough cultivation.** These are the cardinal points in raising a good crop of cabbage. One ounce of seed will raise about two thousand plants.



EARLY JERSEY WAKEFIELD CABBAGE.



FOTTLER'S BRUNSWICK CABBAGE.



EARLY WINNINGSTADT CABBAGE.

EARLY PARIS.—This is the "first early" of the market gardeners' round Paris. Oxheart in shape. Pkt. 5c., oz. 25c., quarter-pound 75c., lb. \$2.00.

EXTRA EARLY ETAMPES. A very fine, heart-shaped, early cabbage; popular, excellent. Pkt. 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.00.

EARLIEST BLOOD-RED ERFURT.—A new red variety; the earliest of all red sorts; deep blood red. Short stump, heads hard as a rock. Pkt. 5c., ounce 20c., quarter-pound 60 cts., pound \$2.00.



MARBLEHEAD MAMMOTH DRUMHEAD CABBAGE



EXTRA EARLY ETAMPES CABBAGE.

HENDERSON'S EARLY SUMMER.—A few days later than Early Wakefield. Larger, more globe-shaped. Popular, profitable, good header, rarely bursts. Packet 10 cts., oz. 25c., quarter-pound 75c., lb. \$2.00.

EARLY FRENCH OXHEART. A second-early, of good size and shape; hard, solid heads. Packet 5 cents, ounce 15 cents, quarter-pound 50 cents, pound \$1.25.

ALL SEASONS.—An early sort; ready alongside of Early Summer, but larger heads, and just as good for a late as an early variety.



HENDERSONS EARLY SUMMER.

EARLY ULM SAVOY.—Very early, and of fine quality. Packet 5 cts., ounce 15 cts., quarter-pound 50 cts., pound \$1.50.

FOTTLER'S BRUNSWICK.—The earliest of the large-heading Drumhead section. Small stem, a very sure header; a popular variety everywhere. Pkt. 5c., ounce 25c., quarter-pound 75c., pound \$2.50.

EARLY WINNINGSTADT.—Large, cone-shaped, solid, sure header. Succeeds well on all soils. Packet 5 cts., ounce 15 cts., quarter-pound 50 cents, pound \$1.50.

CABBAGE. CONTINUED.

NEWARK EARLY FLAT DUTCH.—This is the finest strain of second-early cabbage in the New York market. Heads very large and solid. Packet 15 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.



EARLIEST BLOOD RED
ERFURT CABBAGE.

very grown in the South; profitable, popular, excellent. We recommend this as the best late cabbage. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

MARBLEHEAD MAMMOTH DRUMHEAD. The largest cabbage in cultivation; late. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

RED DUTCH.—The old standard variety for pickling. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

PREMIUM FLAT DUTCH.—Large, and excellent for winter; a very sure header; very extensively grown in the South; profitable, popular, excellent. We recommend this as the best late cabbage. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

AMERICAN IMPROVED SAVOY.—Popular for family use or market. Sweet, tender, sure header. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.00.

DRUMHEAD SAVOY.—A standard late sort; firm, compact head; sweet and good; keeps well in winter. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

STONEMASON DRUMHEAD.—About a week earlier than Premium Flat Dutch; large, solid, sure header. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

RED DRUMHEAD.—A new red cabbage; larger and better than Red Dutch. Round, compact heads; hearts up very even and reliable. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.



DRUMHEAD SAVOY
CABBAGE.

CARROT.

Lat.—*Daucus carota*. Ger.—*Mochre*. Fr.—*Carote*. Sp.—*Zanahoria*. The carrot grows best in a light sandy loam, well manured and cultivated. Sow as early as the ground can be worked, in drills ten inches apart for the small early sorts, and fourteen inches apart for the larger kinds, thin out to five or six inches apart in the rows. One ounce of seed will sow 150 feet of drill.



IMPROVED LONG
ORANGE CARROT.



EARLY FRENCH
FORCING CARROT.



DANVER'S HALF
LONG CARROT.



GUERANDE CARROT.



SCARLET
ALTRINCHAM
CARROT.

CHANTENAY.—The favorite early market carrot of Paris; half-long, stump-rooted, smoother and sweeter than Danver's, very small core. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80 cents.

GUERANDE.—New stump-rooted carrot, thick and short, fine color and flavor, the heaviest cropper of the early sorts. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.25.

DANVER'S HALF-LONG.—Smooth, handsome variety, very dark in color, good cropper, keeps well; first-class carrot in every way. Our seed is specially raised in Massachusetts for our retail trade, and we can guarantee there is nothing finer in the market. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80 cents.

EARLY SHORT HORN.—Small, early sort, fine color, good for bunching for market; can be planted very close. Packet 5 cents, ounce 10 cts., quarter-pound 25 cts., pound 80c.

EARLY FRENCH FORCING.—The earliest variety grown; small, tender, delicious. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.25.

LONG SCARLET ALTRINCHAM.—A standard variety both for cooking and stock. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

IMPROVED LONG ORANGE.—Very large; main crop carrot; heavy yielder. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

LARGE WHITE BELGIAN.—Grows one-third out of ground; root white, green above ground, grown extensively for stock. Pkt. 5c., ounce 10c., quarter-pound 20c., pound 65c.

CAULIFLOWER.

Lat.—*Brassica oleracea* var. Ger.—*Blumen Kohl*. Fr.—*Choufleur*. Sp.—*Coliflor*. Deep, rich soil, well cultivated. A mixture of lime and sulphur is a good preventive of maggot, and also promotes growth. The sowing and the best—there is great temptation to use the cheaper sorts. We think it well therefore to caution our customers to use only the crop tells. One ounce of seed to 4000 plants.

after-treatment is the same as for cabbage, except that it will not stand the drought so well, and requires liberal applications of water or liquid manure during the hot months. Of the many varieties cultivated, there are really only one or two that will succeed well in the United States, and of these we pronounce the **Earliest Dwarf Erfurt** undoubtedly the finest. Owing to the seed of this sort being very expensive, there is great temptation to use the cheaper sorts. We think it well therefore to caution our customers to use only the crop tells. One ounce of seed to 4000 plants.



EARLY SNOWBALL
CAULIFLOWER.



LONG ISLAND BEAUTY
CAULIFLOWER.



EXTRA EARLY DWARF
ERFURT CAULIFLOWER.



VEITCH'S AUTUMN GIANT
CAULIFLOWER.

LONG ISLAND BEAUTY.—Introduced by a famous Long Island market gardener. It is a selection from the Erfurt, and pronounced by the introducer as "absolutely and unequivocally the finest cauliflower in the world." Choice strain. Packet 25 cents, ounce \$3.00.

EXTRA EARLY DWARF ERFURT.—This is the choicest Erfurt; the best cauliflower in existence for the United States, either for forcing or the open ground, heads of largest size, snowy whiteness, compact and beautiful form. Benary's stock. Packet 25 cents, quarter-ounce \$1.50, ounce \$5.00.

VEITCH'S AUTUMN GIANT.—Firm, compact heads, snowy white, a good keeper, large and vigorous. Packet 10 cents, half-ounce 40 cents, ounce 75 cents, quarter-pound \$2.00, pound \$7.00.

EARLY SNOWBALL.—Dwarf, early, reliable; a favorite in the New York markets. Our stock is from Henderson. Packet 25 cents, quarter-ounce \$1.00, ounce \$4.00.

EARLY PARIS.—Half-early variety, for forcing. Packet 10 cents, half-ounce 40 cents; ounce 75 cents, quarter-pound \$2.25, pound \$7.50.

LENORMAND'S SHORT STEM.—Large heads white and firm. Packet 10 cents, half-ounce 40 cents, ounce 75 cents, quarter-pound \$2.25, pound \$7.50.

LATE ALGIERS.—Firm, solid heads, good for late use. Packet 10 cents, half-ounce 40 cents, ounce 75 cents, quarter-pound \$2.50, pound \$9.00.

WALCHEREN.—Very late and hardy, firm, close-grained heads. Packet 10 cents, half-ounce 40 cents, ounce 75 cents, quarter-pound \$2.00, pound \$7.00.

CELERY.

Lat.—*Apium graveolens*. Ger.—*Sellerie*. Fr.—*Celleri*. Sp.—*Apio*.

Sow in a hot-bed in March, and as soon as the plants are three inches high, transplant into a temporary bed in the open air, four inches apart. The plants may remain here till the first of July, and then removed to the trenches. The trenches ought to be a foot wide and deep, and five feet apart. Spread a layer of well-rotted manure in the bottom of the trench and dig in. Set the plants carefully in the bottom of the trench six or eight inches apart. As

they grow, cultivate carefully with the hoe, and commence gradually to earth them up, not too much at a time, a little every week, and by the end of September they will be blanched sufficiently for use. Never earth up while the plants are wet, and be careful not to let the soil get into the heart of the plant. Water carefully in dry weather. One-fourth of an ounce of seed is sufficient for a seed-bed five feet wide and ten feet long.



PERFECT HEART-
WELL CELERY.



NEW DWARF
ROSE CELERY.



BOSTON MARKET
CELERY.



SOLID IVORY
CELERY.



GIANT TURNIP-
ROOTED CELERY.

NEW DWARF ROSE.—The red celeries have never received the attention they deserve in the American markets; this fact being the more strange in view of the high estimation in which they are held by European gardeners. This neglect seems now in a fair way to be removed, the past year or two having developed a considerable demand for the red sorts, which they well deserve not only on account of their taking appearance, but also because they are more solid and have that peculiar nutty flavor in a far superior degree to the white. The **New Rose** we can recommend as being one of the finest of the red sorts. Pkt. 5 cents, ounce 35 cents, quarter-pound \$1.00.

EARLY ARLINGTON.—An improved strain of the Boston market; very popular, having gained the chief honors at the Massachusetts Horticultural Society's shows the past few seasons. Packet 10 cents, ounce 50 cents, quarter-pound \$1.50, pound \$5.00.

WHITE PLUME.—A crisp, solid variety with a pleasant nutty flavor, almost self-blanching, the stalks requiring very little earthing up; handsome appearance, very ornamental for the table. Packet 10 cents, ounce 40 cents, quarter-pound \$1.25, pound \$4.50.

SOLID IVORY.—Dwarf, compact habit, and beautiful white color; solid, crisp and delicious. Packet 10 cents, ounce 30 cents, quarter-pound \$1.00, pound \$3.50.

PERFECTION HEARTWELL.—The largest and best winter sort, solid and vigorous. Packet 10 cents, ounce 50 cents, quarter-pound \$1.50, pound \$5.00.

GOLDEN SELF-BLANCHING.—Close, compact, handsome; heart beautiful golden-yellow, outer stalks yellowish-white, ribs perfectly solid, crisp, well-flavored and excellent keeper; very fine new celery, highly recommended. Pkt. 10 cents, ounce 50 cents, quarter-pound \$1.50, pound \$5.00.

SANDRINGHAM DWARF WHITE.—The dwarfest white variety, solid and crisp. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

BOSTON MARKET.—The popular favorite in the Boston market; dwarf-branching habit, solid, crisp, well-flavored. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

CELERY SEED.—For flavoring soups. Pound 40 cents.

CELERAIC, or Turnip-Rooted Celery.

A variety of celery with turnip-shaped roots which are white-fleshed, comparatively tender, and have the flavor of celery-stalks. May be grown in the same way as recommended for celery, only it can be set closer and requires less earthing up.

APPLE-SHAPED.—New, almost round, smooth and handsome. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

GIANT.—Very large. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

CARDOON. Lat.—*Cynara cardunculus*. Ger.—

Cardon. Fr.—*Cardon*. Sp.—*Cardo*. The mid-ribs of the leaves are used in salads, soups and stews. Sow early in spring, and thin out, when large enough, to one foot apart in the rows. When full grown, tie up with matting, and earth up like celery.

LARGE SOLID.—Grows nearly four feet in height, leaves almost free from spines. Packet 10 cents, ounce 40 cents.



CHERVIL. Lat.—*Cherophyllum cerefolium*. Ger.—

Benfenlauch. Fr.—*Cherfeuil*. Sp.—*Perifollo*. The leaves, while young and tender, are used for salads and flavoring soups. It somewhat resembles parsley, and may be cultivated in the same way.

CURLED.—The best curly-leaved sort. Pkt. 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

TUBEROUS-ROOTED.—Edible roots. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

CHICORY. Lat.—*Cichorium intybus*. Ger.—

Chicoree. Fr.—*Chicoree*. Sp.—*Savage à gros Racine*. The roots, when dried and roasted, are ground for mixing with coffee to improve its flavor. Cultivate as recommended for carrot.

LARGE-ROOTED.—The chicory of commerce; also

makes a good salad by blanching the leaves. Packet 5 cts., ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

WITLOOF, OR LARGE-ROOTED BRUSSELS.—Excellent, both as a salad and vegetable. In the fall the roots are taken up, the leaves cut off and the roots planted one inch apart in a trench one foot deep, and eight inches between the rows. Cover with fine soil eight inches thick, and, over all, place a layer of dung two to three feet thick. The "Witloof" will be produced three weeks afterwards in the intermediate cover of soil. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

COLLARDS, OR COLEWORT.

Sow the seeds at intervals from June to August, in drills one foot apart, covering the seed one-half inch deep. They are ready for use when one month old, but may be transplanted six or eight inches apart to prolong the season. In the latter case, pull off the outer leaves before using. Almost any variety of green cabbage will make good collards, but the strain known as "Georgia Collards," is the popular sort in the South.

GEORGIA COLLARDS.—True. Packet 5 cts., ounce 15 cts., quarter-pound 40 cents, pound \$1.25.

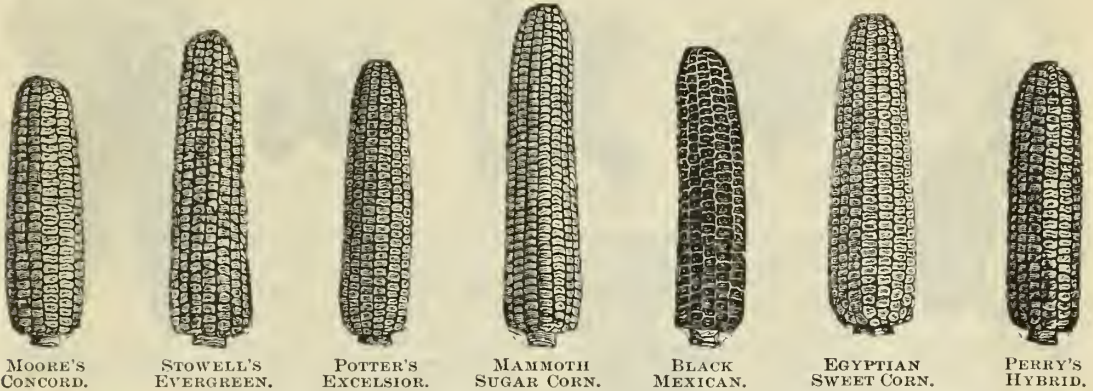


COLLARDS OR
COLEWORT.

CORN=SWEET.

Lat.—Zea Mays. Ger.—Zucker Mais. Fr.—Sucre Mais. Sp.—Azucar Mais.

Plant in hills three feet apart each way, five or six kernels to every hill, or in drills three feet apart and the plants thinned to one foot apart in the drill. The latter method will yield the heavier crop from a given surface. The soil should be well enriched with manure before planting, and, while the crop is growing, the hoe or cultivator has to be kept busy stirring the soil. One quart of seed will plant 100 yards of drill.



MOORE'S CONCORD.

STOWELL'S EVERGREEN.

POTTER'S EXCELSIOR.

MAMMOTH SUGAR CORN.

BLACK MEXICAN.

EGYPTIAN SWEET CORN.

PERRY'S HYBRID.

EARLY CORY.—An extra early variety with good-sized ears and large kernels. Packet 10 cts., pint 20 cents, quart 40 cents.

EARLY CROSBY (Original Stock).—One of the finest early sweet corns, twelve-rowed, dwarf habit, ears set very low and of good size, cob white; there are many inferior strains of this on the market; ours is the true original Crosby from the originator's stock. Packet 10 cents, pint 20 cents, quart 40 cents.

PERRY'S HYBRID.—Very early and of large size, good for market. Packet 10 cents, pint 20 cents, quart 40 cents.

AMBER CREAM.—Medium early, large, sweet, handsome. Packet 10 cents, pint 20 cents, quart 40 cents.

PEE-AND-KAY.—Medium early, large thick ears, tender and sweet. Packet 10 cents, pint 20 cents, quart 40 cents.

POTTER'S EXCELSIOR.—The sweetest medium early sweet corn, twelve-rowed, white, prolific, handsome, requires a liberal seeding. Packet 10 cents, pint 20 cents, quart 35 cents.

EARLY MARBLEHEAD.—A good, early corn, medium size, prolific, a week later than Cory. Packet 10 cents, pint 20 cents, quart 35 cts.

EARLY MINNESOTA.—An early sort of dwarf habit, ears small, excellent, productive. Packet 10 cents, pint 20 cents, quart 35 cents.

BLACK MEXICAN.—Eight-rowed variety, of medium size, extremely sweet, the dark color does not show prominently in the green state; its great merit is its sweetness. Packet 10 cents, pint 20 cents, quart 35 cents.

EGYPTIAN.—A late sort ripening with Stowell's, but much sweeter; largely used for canning. Packet 10 cents, pint 20 cents, quart 35 cents.

STOWELL'S EVERGREEN.—The standard late sort, large ears, sweet, remains long green, the stalks are valuable for fodder. Packet 10 cts., pint 20 cents, quart 35 cents.

MOORE'S CONCORD.—Second-early, larger and later than Crosby, twelve-rowed, excellent. Packet 10 cents, pint 20 cents, quart 35 cents.

MAMMOTH SWEET SUGAR.—A late variety with very large ears and extra sweet flavor. Pkt. 10c., pt. 20c., qt. 35c.



CORN SALAD.

CORN SALAD, OR FETTICUS.

Lat.—Fœdia olitoria. Ger.—Ackersalat. Fr.—Mache. Sp.—Canoniga.

Sow in early spring in rows one foot apart. Will be ready for use in six weeks. For early spring use, sow in September and winter like spinach. Makes one of the best salads.

LARGE-SEEDED.—The standard variety. Packet 5 cents, ounce 20 cents, quarter-pound 75 cents, pound \$2.00.

—||| CRESS. |||—

Lat.—Lepidium Sativum. Ger.—Kresse. Fr.—Cressom. Sp.—Mastuerzo.

Excellent for salads and garnishing. Sow in April, and at intervals of two weeks afterwards, in drills one foot apart. Use as soon as ready, as it quickly runs to seed.



WATER CRESS.

CURLED.—The standard sort. Packet 5c., ounce 10c., quarter-pound 20c., pound 50c.

WATER CRESS.—This is the famous English Water Cress; requires to be planted along the borders of shallow water courses. Packet 10 cents, ounce 35 cents, quarter-pound \$1.00, pound \$3.00.

UPLAND CRESS.—This new vegetable gives us a garden substitute for the English Water Cress. Crisp, tender, perfectly hardy, easily raised in any garden, and has the peculiar spicy pungent flavor of water cress. Packet 10 cents.



UPLAND CRESS.

CUCUMBER.

Lat.—*Cucumis sativus*. Ger.—*Gurke*. Fr.—*Concombre*. Sp.—*Pepino*.

Sow the seeds early in the season in a hot-bed, using small sods or flower-pots, placing a few seeds in each. When all danger of frost is past, transplant into hills, being careful to disturb the sods or balls of earth as little as possible in moving. The hills should be five or six feet apart and eighteen inches in diameter. For general crop, a sowing may be made in the open air in May, in rich, mellow

soil, well-manured, using eight or ten seeds to each hill, and when danger of bugs is past, thin out to four plants for every hill. For pickles, sow from the middle of June to first week in July. Pick all fruit when of proper size—this helps the productiveness enormously. One ounce of seed to .fifty hills; one and one-quarter pounds to an acre.



IMPROVED WHITE SPINE CUCUMBER.



EARLY CLUSTER CUCUMBER.



NICHOL'S MEDIUM GREEN CUCUMBER.



EARLY GREEN CLUSTER CUCUMBER.



IMPROVED LONG GREEN CUCUMBER.



ENGLISH FRAME CUCUMBER "TELEGRAPH."

NICHOL'S MEDIUM GREEN.—An early cucumber, good for forcing or pickles, dark-green, crisp, very prolific, straight and smooth, in length between the White Spine and Long Green, a decided acquisition. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 85c.

TAILBY'S HYBRID.—A cross between White Spine and an English Frame variety, with the hardness of the former and the beauty and size of the latter; very prolific, one of the finest. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 85 cts.

EARLY RUSSIAN.—A small variety, the earliest grown; ten days ahead of Early Cluster, hardy, prolific, fruit three inches long, tender, crisp, well flavored. Packet 5 cents, ounce 10 cents, quarter-pound 25 cts., pound 85 cts.

EARLY GREEN CLUSTER.—Very early, fruiting in clusters; short, prickly, very prolific. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 70 cts.

IMPROVED WHITE SPINE.—Medium length, dark-green, crisp, well flavored, prolific. One of the most popular varieties grown. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 70 cts.

EARLY FRAME.—Early, medium length, good for forcing. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 70 cts.

IMPROVED LONG GREEN.—Very popular, late variety, dark-green, crisp, tender, and well flavored. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 70c.

BOSTON PICKLING.—The best variety for pickling; short, straight, dark-green, fine quality, great bearer, our strain of seed is true **Arlington Stock**. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

WEST INDIA GHERKIN.—A small, green, pickling sort, used for pickling only. Packet 5 cents, ounce 10 cents, quarter-pound 35 cents, pound \$1.25.

ENGLISH FRAME CUCUMBERS.—These are grown in the green-house or in a hot-bed; very handsome, both in form and color; attain a length of from twenty to thirty inches. The following are the cream of the many popular sorts:—

Blue Gown,
Marquis of Lorne,
Telegraph,
Tender and True,

Duke of Edinburgh,
Sion House Improved,
Lord Kenyon.
Each, per Packet, 25 cents.



WEST INDIA GHERKIN CUCUMBER.

DANDELION.

Lat.—*Taraxacum dens leonis*. Ger.—*Lowenzahn*. Fr.—*Dent de lion*. Sp.—*Amaragon*. Excellent for spring greens. Sow in spring in drills one foot apart, thinning out later to six inches apart in the drill. Protect with litter during winter, and in spring they will be ready for use. One ounce of seed will sow one hundred feet of drill.

THICK-LEAVED FRENCH.—Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

AMERICAN IMPROVED.—A very superior variety. Packet 10 cts., ounce 50 cts., 1/4-pound \$1.75, pound \$6.00.

IMPROVED MOSS-CURLED.—Leaves deeply cut and finely curled. Crisp and excellent. Packet 10 cents, ounce 75 cents, quarter-pound \$2.50, pound \$8.00.

EGG PLANT.

Lat.—*Solanum melongena*. Ger.—*Elerpflanze*. Fr.—*Aubergine*. Sp.—*Berengina*. Sow seeds in a hot-bed in March in the same manner as tomatoes. As they are very susceptible to cold, they should not be transplanted to the open ground until the weather is quite warm. Set the plants two feet apart each way. One ounce of seed will produce one thousand plants.



NEW YORK IMPROVED EGG PLANT.

EARLY DWARF PURPLE.—A new French variety; very early. Packet 10 cents, ounce 30 cents.

LONG PURPLE.—Early deep purple, oblong; hardy, productive, excellent; color variable. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

BLACK PEKIN.—Fruit blackish-purple, globe-shaped, hardy, excellent. Packet 10 cents, ounce 50 cents, quarter-pound \$1.50, pound \$5.00.

NEW YORK IMPROVED.—One of the best, very large, fine quality. Packet 10c., ounce 50c., quarter-pound \$1.50, pound \$5.00.

ENDIVE.

Lat.—*Chicorium endivia*. Ger.—*Endivien*. Fr.—*Chicoree*. Sp.—*Endivia*. Sow in June or July and transplant eight or ten inches apart in rows fifteen inches apart. Used as a salad, and requires to be

blanched by tying the leaves together at the top and placing boards to exclude light. One ounce of seed to 150 feet of drill.

GREEN CURLED.—One of the best, dark-green, finely curled. Pkt. 5c. ounce 20c., quarter-pound 50c., pound \$1.75.

WHITE CURLED.—Pale-green, very handsome. Pkt. 5 cents, ounce 20 cents, quarter-pound 50 cents, pound \$1.75.

MOSS-CURLED.—Beautifully and densely curled, very ornamental. Packet 5 cents, ounce 20 cents, quarter-pound 50 cents, pound \$1.75.

BATAVIAN BROAD-LEAVED.—A large summer variety, very productive. Packet 5 cents, ounce 20 cents, quarter-pound 50 cents, pound \$1.75.



WHITE CURLED ENDIVE.

KALE, OR BORECOLE. Lat.—*Brassica oleracea sabellica*. Ger.—*Blatter*

Kohl. Fr.—*Chou vert*. Sp.—*Breton*. This may be sown in May and transplanted in the same way as cabbages. They make very tender and delicious greens in the fall. After a touch of frost their tenderness will be much enhanced. Very hardy, easily grown, and deserve more general cultivation. One ounce to 100 feet of drill.

DWARF GREEN CURLED SCOTCH.—Very hardy, a standard variety, may be treated like spinach. Packet 5 cts., ounce 10 cts., quarter-pound 25 cents, pound 90c.

TALL GREEN CURLED SCOTCH.—One of the best. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 90c.

SIBERIAN OR GERMAN.—Sow in fall for spring use; treat same as spinach. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.00.

VARIEGATED.—For garnishing; very ornamental. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

DWARF GREEN ERFURT.—Light-green, very fine. Packet 5 cents, ounce 20 cents, quarter-pound 65 cents, pound \$1.75.

DWARF BROWN.—Very hardy. Packet 5 cts., ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

MARTYNIA. The seed-pods, when young, are used for pickles, and by many are considered superior to the cucumber itself. Sow in April or May in the open ground, where the plants are to remain, or a sowing may be made in a hot-bed, and transplanted to the open ground two and one-half to three feet apart. Easily cultivated. One ounce of seed to 1000 plants.

MARTYNIA PROBOSCIDEA.—Packet 5 cents, ounce 30 cents, quarter-pound \$1.00, pound \$3.50.

KOHL RABI. Lat.—*Brassica caulorapa*. Ger.—*Kohlrabi*. Fr.—*Chou Rave*. Sp.—*Collinabo*. For table use sow in June, and for stock feeding sow early in the season, as directed for cabbage, in order to give the whole season for growth, transplant into rows two feet apart and fifteen inches apart in the rows. Cultivate like cabbage or ruta baga. The kohlrabi, when young, is tender and delicate, possessing the flavor of both the cabbage and turnip. Cooked same as ruta baga. One ounce of seed will produce 2000 plants.

EARLY WHITE VIENNA.—green top, white flesh, popular, handsome, good flavor. Packet 5 cents, ounce 20 cts., quarter-pound 60 cents, pound \$2.00.

EARLY PURPLE VIENNA.—Differs from the preceding only in color. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

LEEK. Lat.—*Allium porum*. Ger.—*Lauch*. Fr.—*Poireau*. Sp.—*Puerro*. Sow in April at the bottom of drills made eight inches deep, scatter the seed thinly and cover with soil half an inch. As the plants grow, gradually draw the earth into the drills and round the leeks, in order to blanch them and make them mild flavored. A deep, rich soil is required to produce fine leeks. In October they will be ready for use, and until the ground closes up may be drawn as required for the table. One ounce to 150 feet of drill.

LARGE LONDON FLAG.—Hardy, fine quality, the most popular variety in this country. Packet 5 cents, ounce 15 cts., quarter-pound 30 cents, pound \$1.00.

MUSSELBURGH.—Grows to immense size; broad leaves, light-green, hardy, excellent. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

GIANT CARENTAN.—One of the best, short, thick, hardy, excellent. Packet 5 cents, ounce 25 cents, quarter-pound 60 cents, pound \$2.00.



TALL GREEN CURLED SCOTCH KALE.



PURPLE VIENNA KOHL RABI.



MUSSELBURGH LEEK.

LETTUCE.

Lat.—*Lactuca Sativa*. Ger.—*Latich Salat*. Fr.—*Laituc*. Sp.—*Lechuga*.

A rich, moist soil is required to produce large heads of crisp and tender quality. Sow the seeds in a hot-bed in March, and transplant, as soon as the ground is workable out-doors, into drills eighteen inches apart and eight inches between the plants. For a succession, sow at intervals of four weeks until September. For early spring

use, sowings may be made in a hot-bed from December to February, and the plants twice transplanted to give vigor and hardiness. As the plants increase, air freely, and give water when the surface becomes dry. Protect with straw matting from severe weather. One ounce of seed to 3000 plants.



HANSON LETTUCE.



EARLY CURLED SILESIA LETTUCE.



BOSTON MARKET LETTUCE.



BOSTON CURLED LETTUCE.



PARIS WHITE COS LETTUCE.

BUTTERCUP.—New variety from Germany; tender and delicate flavor, early, hard-heading, beautiful foliage, good either for summer or winter. Packet 10 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

MARBLEHEAD MAMMOTH.—Very large, good quality, hard header, slow to run to seed. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

EARLY PRIZEHEAD.—Very large, crisp, tender, fine flavored, hardy, slow to seed. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

TENNIS-BALL, OR BOSTON MARKET.—A popular forcing variety, good size, solid, very white and crisp, our stock is the pure Boston Market strain, a great improvement over the ordinary sort. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.40.

BLACK-SEEDED TENNIS-BALL.—Solid dark-green heads, very hardy, one of the best for out-door growing, crisp and tender. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.10.

HANSON.—A splendid out-door Lettuce, heads very close, solid and large; crisp, tender, sweet, green outside, white within. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

EARLY CURLED SILESIA.—Very early, good either for forcing or open air. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

BOSTON CURLED.—Rich green, beautifully curled, early, tender, crisp, very ornamental and excellent for table. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.10.

SALAMANDER.—Yellow, very hard header, good quality, stands the summer well. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

ALL THE YEAR ROUND.—Hardy, heads firm, medium, does not run to seed readily. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

BROWN GENOA.—Medium round head, stained with red, good either for summer or winter. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

PARIS WHITE COS.—The best of the Cos varieties, with long upright leaves, blanches readily when tied up. Packet 5 cents, ounce 15 cents, quarter-pound 35 cents, pound \$1.10.

GOLDEN STONE-HEAD.—Small, solid, very handsome, fine for forcing. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.00.

MUSK MELON.

Lat.—Cucumis melo. Ger.—Melone. Fr.—Melon. Sp.—Melon. The musk and water melon thrive best in a warm, rich, mellow, sandy loam. The hills should be six or seven feet apart, one and one-half to two feet

in diameter, and fifteen inches deep. Fill the hill three-fourths with well-rotted manure, and add sufficient fine loam to raise the hill three inches above the surface. On this plant twelve or fifteen seeds, and when all danger of bugs is past, thin out gradually to three vigorous vines. When the growth is too luxuriant, the leading shoots may be pinched back, and the young fruit may also be thinned out, if too numerous, in order that those left may grow larger and better. One ounce of seed to seventy-five hills.



BAY VIEW HYBRID MUSK MELON.



CASABA MUSK MELON.



MONTREAL NUTMEG MUSK MELON.



JENNY LIND MUSK MELON.

HACKENSACK.—Large, round, netted, deeply ribbed; flesh green, very sweet and highly flavored; an early and very popular sort. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound 90c.

JENNY LIND.—A small, very early variety, round, netted; flesh light-green, excellent flavor. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.

BIRD'S CANTALOUPE.—A new variety from Colorado; a cross between the Bay View and Montreal Nutmeg; very large (specimens have been grown weighing over twenty pounds), flesh thick, light-green, and fine quality, an early sort and a good keeper. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

NETTED GEM.—An early round variety, green-fleshed, delicious flavor, very prolific, one of the best. Packet 5 cts., ounce 10 cents, quarter-pound 30 cents, pound 80c.

BANANA.—A long, banana-shaped sort. Packet 5 cents, ounce 15 cents, quarter-pound 30 cents, pound \$1.00.

MONTREAL NUTMEG.—Very large sort, nearly round, densely netted, deeply ribbed; green-fleshed, thick, and of delicious flavor; a great bearer and very popular. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

CASABA.—Large, oblong, green-fleshed, thick, melting,

delicious; one of the best. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

WHITE JAPAN.—Small variety, early, prolific, pale greenish-white, sweet, delicious. Packet 5 cents, ounce 15 cents, quarter-pound 40 cents, pound \$1.25.

SKILLMAN'S NETTED.—An early sort, roundish-oval; flesh deep-green, sweet, richly perfumed, delicious flavor. Packet 5 cts., ounce 10 cts., quarter-pound 30c., pound \$1.00.

BAY VIEW HYBRID.—A large, prolific, fine-flavored cantaloupe, luscious, sweet, hardy, and a good shipper. Packet 5 cts., ounce 10 cts., quarter-pound 30c., pound \$1.00.

WARD'S NECTAR.—Early, prolific; green-fleshed, sweet, rich, luscious. Packet 5 cts., ounce 15 cts., quarter-pound 40 cents, pound \$1.25.

EMERALD GEM.—Early, round, flattened at the ends; flesh deep-orange, very thick, sweet and delicious; very uniform. Pkt. 5c., ounce 15c., quarter-pound 40c., pound \$1.25.

LONG YELLOW CANTALOUPE.—A well-known sort, large, sweet, productive. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

CHRISTIANA, OR BOSTON PET.—Early, very productive; thick-fleshed, melting, delicious. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound 90c.

WATER MELON.

Lat.—Cucurbita citrullus. Ger.—Wassermelone. Fr.—Melon d'Eau. Sp.—Sandia. Cultivate same as musk melon, except that the hills should be wider apart, say eight

to ten feet. Allow two good plants to a hill. One ounce of seed to fifty hills.

OEMLER'S TRIUMPH.—A new melon from Russia; very early, productive, short oval, weighs about 15 lbs., dark mottled-green; flesh dark-red, edged with orange, very sweet and luscious. Packet 10c., ounce 75c.

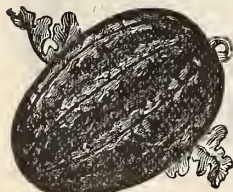


STRIPED GIPSY WATER MELON.



MOUNTAIN SWEET WATER MELON.

KOLB'S GEM.—Light-green, nearly round, averaging thirty to fifty pounds in weight; flesh bright-red, rich and sweet; a good shipper. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.



SCALY BARK WATER MELON.

FLORIDA FAVORITE. Oblong, green and white stripes, flesh light crimson, crisp, and deliciously sweet. Very early; one of the finest table melons grown, not a good shipper, owing to its thinness of rind. Packet 5 cents, ounce 10 cents, quarter-pound 35 cents, pound \$1.00.



MAMMOTH IRONCLAD WATER MELON.

MOUNTAIN SWEET.—An old favorite for northern growing, long, dark-green; flesh very solid, crisp and sweet. Packet 5 cts., ounce 10 cents, quarter-pound 25 cts., pound 80c.



CUBAN QUEEN WATER MELON.

SCALY BARK.—Large, dark-green, with scaly markings; rind thin and tough, an excellent shipper; flesh light-crimson, rich flavor. Pkt. 5c., ounce 10c., quarter-pound 25c., pound 70c.

MAMMOTH IRONCLAD.—A very large variety, of excellent quality, oblong, green-mottled; flesh bright-red, crisp and delicious; a good keeper and shipper. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 90c.

PRIDE OF GEORGIA.—Large, oval, dark-green; flesh deep-red, crisp, and sweet; a good shipper. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 90c.

BOSS.—An early, oblong variety; flesh deep-scarlet, rich and sweet. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 90c.

ICING, OR ICE RIND.—Round, solid, thin rind; flesh rich, sugary, melting, an excellent sort. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.

CUBAN QUEEN.—Very large, enormously productive; vigorous, healthy, and an excellent keeper; flesh bright-crimson, solid, rich and sugary. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.

GIPSY.—Very large and productive. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 70c.

RATTLESNAKE.—Large, oblong, striped and mottled; flesh bright-red; a good shipper; a favorite variety in the South. Pkt. 5c., ounce 10c., quarter-pound 25c., pound 70c.

VICK'S EARLY.—A splendid early sort; flesh bright-red, solid, sugary and luscious. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.

PHINNEY'S EARLY.—A very early medium-sized sort; flesh red, excellent quality, hardy, very prolific. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80c.

CITRON (for Preserving).—Used for preserves only. Packet 5 cts., ounce 10 cts., quarter-pound 25c., pound 80c.

ONION.

Lat.—*Allium cepa*. Ger.—Swiebel. Fr.—Oignon. Sp.—Cebolla.

Next to the cabbage, this is the most important vegetable crop, and one which depends to a greater extent on the quality of the seed used, than any other, with perhaps the single exception of Cauliflower. Eastern-grown seeds are more carefully selected, and much superior to Californian stock, extensive tests having shown a difference of at least twenty-five per cent. in the yield.

Culture.—A light, loamy soil suits the onion best, and it may be grown for many consecutive years on the same piece. Beets or mangels are also a good crop to precede the onion. Previous to sowing, the ground should be well manured and deeply ploughed. Harrow and rake the surface smooth and even. As early in spring as possible, sow the seed in drills fourteen inches apart and half an inch deep, rolling firmly over the seed. A cultivator may be used between the drills, being careful not to throw the earth too much

over the crop. Weed the drills very carefully, and never allow the weeds to get ahead of the young plants. The onions will ripen in August and September, and may be pulled as soon as the tops are all down. Expose to the sun for a few days to dry them off for storage or market. One ounce of seed will sow 100 feet of drill; four or five pounds to the acre for a crop; forty or fifty pounds to the acre if for sets. The varieties usually grown to make sets, are **Yellow Danvers**, **White Silver Skin**, and **Extra Early Red**.

SPECIAL NOTICE:

Beware of cheap Onion Seed. Many thousand pounds of California seed is annually sent to the Eastern market, and any market gardener who has once tried it, is never very anxious to do so again. Our Seed will produce one-third more Onions to the acre.

To market gardeners and others who use large quantities of Onion Seed, WE WILL MAKE SPECIAL PRICES ON APPLICATION.



EXTRA EARLY RED ONION.



MARZAJOLA ONION.



LARGE RED WETHERSFIELD ONION.



YELLOW GLOBE DANVERS ONION.



WHITE QUEEN ONION.

EXTRA EARLY RED.—A very early variety, of medium size, deep-red, mild flavor; largely grown for sets. Packet 5 cents, ounce 20 cents, quarter-pound 60 cents, pound \$1.75.

LARGE WHITE PORTUGAL, or SILVER SKIN.—Popularly known as "Philadelphia Silver Skin," early, medium size, silver-white, mild flavor, excellent either for home use or market. Largely grown for pickling, and also for the "white onion sets." Packet 5 cents, ounce 25 cents, quarter-pound 75c., pound \$2.50.

SOUTHPORT YELLOW GLOBE.—Globe-shaped, large, handsome, good flavor, and an excellent keeper. Packet 5 cts., ounce 20 cts., quarter-pound, 65 cts., pound \$2.00.

LARGE RED WETHERSFIELD.—The most popular red onion for general crop; large, fine form, skin deep-red; flesh white, strong, immense cropper, and keeps well. Packet 5c., ounce 20c., quarter-pound 50c., pound \$1.70.

YELLOW GLOBE DANVERS.—Early, round, very small neck, fine-grained, mild flavor, immensely productive, and an excellent keeper. *☞* Of this popular variety we get our seed from the neighborhood of Danvers, Mass., and can vouch for it as being the very best Yellow Danvers in the market. Packet 5 cents, ounce 15 cents, quarter-pound 45 cents, pound \$1.50.

WHITE GLOBE.—Larger and later than the White Portugal or Silver Skin, of similar quality, but globe-shaped. Pkt. 10c., ounce 25c., quarter-pound 75c., pound \$2.75.

ITALIAN ONIONS.

These are getting more popular every year, on account of their quick growth, mild flavor, and generally large size, some varieties weighing from two to three pounds the first season from seed, and even the smallest if saved and set out the following spring, will grow onions weighing from three to four pounds. They succeed well in all parts of the country, and are grown very extensively in the South, and are shipped North as Spanish and Bermuda onions. The small sorts such as **Queen** and **Barletta** are most valuable, on account of their extreme earliness and mild flavor.

WHITE QUEEN.—Small, very early, white-skinned, mild-flavor, excellent for pickling. Packet 5 cts., ounce 20 cents, quarter-pound 60 cents, pound \$2.00.

WHITE BARLETTA.—Similar to **White Queen**, but thirty days earlier. Packet 5 cents, ounce 20 cts., quarter-pound 60c., pound \$1.75.

GIANT BROWN ROCCA.—A large, globe-shaped variety, mild flavored, skin light brown, handsome, excellent. Packet 5 cts., ounce 15 cts., quarter-pound 50c., pound \$1.50.

GIANT BLOOD-RED ROCCA.—Red-skinned, beautiful globe-shaped; similar to the **Yellow** and **Brown Rocca**,

except in color. Packet 5 cents, ounce 15 cents, quarter-pound 50 cents, pound \$1.50.

GIANT YELLOW ROCCA.—Handsome golden yellow, similar to preceding except in color. Packet 5 cents, ounce 15 cents, quarter-pound 50 cents, pound \$1.50.

MAMMOTH SILVER KING.—One of the largest onions in cultivation; early; shape flat, but very thick; skin a silvery white; flesh mild, delicate, and of snowy whiteness; a handsome and very popular variety. Packet 5 cents, ounce 20 cents, quarter-pound 65c., pound \$2.00.

MAMMOTH RED POMPEII.—Similar to the **Silver King** except in color, and an excellent companion to that magnificent variety. Packet 5 cts., ounce 20 cts., quarter-pound 60 cents, pound \$1.75.

RED BASSANO, OR GENOA.—Large, deep-red, mild-flavored, good keeper, very productive. Packet 5c., ounce 20 cents, quarter-pound 60c., pound \$1.75.

MARZAJOLA (of Nocera).—Handsome white-skinned variety, early, fine shape, excellent, mild quality, a first rate onion. Packet 5c., ounce 20c., quarter-pound 60c., pound \$2.00.

Note.—Our seeds of Italian onions are imported by us direct from Italy, and can be relied on as second to none, and much superior to that generally procured through the regular jobbing houses.

ONION SETS.

These are used to produce early onions. Plant in spring as early as possible, four inches apart, in shallow drills twelve inches apart. The **White**, **Yellow** and **Red Sets** are procured from seed; the **Potato Onion** and **Shallot** are propagated by off-sets only. One quart of sets will plant one hundred feet of drill. Potato Onions being large, should be planted ten inches apart in the drill. One quart will plant about twelve feet of drill. Shallots the same size as onion sets.

☞ The prices here given are those holding at the first January, and are subject to market changes. Buyers who plant by the bushel, will please correspond for prices.

WHITE-BOTTOM SETS.—By mail, pint 20 cts., quart 35 cts. By express, quart 20 cts., peck \$1.25, bushel \$4.00.

YELLOW-BOTTOM SETS.—By mail, pint 20 cts., quart 35 cts. By express, quart 15 cts., peck \$1.00, bushel \$3.50.

RED-BOTTOM SETS.—By mail, pint 20 cents, quart 35 cts. By express, quart 15 cts., peck \$1.00, bushel \$3.50.

POTATO ONIONS.—By mail, pint 20 cts., quart 35 cts. By express, quart 20 cts., peck \$1.25, bushel \$4.50.

SHALLOTS.—By mail, pint 20 cents, quart 35 cents. By express, quart 20 cents, peck \$1.25, bushel \$4.50.

MUSHROOM SPAWN. Lat.—*Agaricus Champignonis*. Ger.—*Champignon-Brut*. Fr.—

Champignon. Sp.—Hongo. In preparing a mushroom bed, take three parts fresh stable manure, free from straw, and one part of good pasture soil. Mix thoroughly together, and let it stand until the heat has sunk to about 90°. Make the bed from this mixture about four feet wide, eight inches deep, and any desired length. As soon as the temperature of the bed is about 70° or 80°, the spawn may be inserted in pieces about the size of a walnut, and six inches apart each way. When the spawn is diffused through the whole bed, which will be in about ten days from planting, cover with two inches of fine loam, and press down firmly. Over this place a layer of straw or litter about four inches thick. Do not water unless the surface gets extremely dry, and then only with water at a temperature of 80°. When gathering the crop, twist them off at the roots and do not use a knife. Cover the hole with soil, to keep insects away from the root. Mushrooms can be grown in a great variety of situations: Under the benches in a green-house, a dark room, cellar, stable, or elsewhere. A pound of spawn will plant a space three feet by four.

ENGLISH MILLTRACK SPAWN (in bricks).—Per pound 22 cents; by express, per pound 14 cents, ten pounds \$1.20, fifty pounds \$5.00, one hundred pounds \$9.00.

PARSLEY. Lat.—*Apium petroselinum*. Ger.—

Petersilie. Fr.—Persil. Sp.—Peregil. Sow in drills, fourteen inches apart, and one-half inch deep. As soon as the plants are three inches high, thin out to eight or ten inches apart. Ordinary soil will grow Parsley, but to have it in perfection, it should be carefully transplanted three times. The seed is slow to germinate, and should be sown as early as possible.

FERN-LEAVED.—Very fine form, extra selected. Packet 5 cents, ounce 10 cents., quarter-pound 30 cts., pound \$1.00.



Moss-Curled Parsley.

BEAUTY OF THE PAR-TERRE.—The handsomest curly parsley in cultivation; very distinct; makes beautiful edging for flower-beds, and unsurpassed for garnishing. Packet 10 cents, ounce 40c., quarter-pound \$1.50, pound \$4.00.

MOSS-CURLED.—Exquisitely curled, and of the richest green. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 75 cents.

HAMBURG, OR ROOTED PARSLEY.—The roots of this sort are used for flavoring soups and stews. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 90c.

OKRA, OR GUMBO.

Lat.—*Abelmoschus esculentus*. Ger.—*Eshbarrer Hibiscus*. Fr.—*Gombo*. Sp.—*Quibombo*

A very popular plant in the South for stews and soups. Very easily cultivated. Sow in May, in drills two to three feet apart, and thin out to eighteen inches apart. Ordinary garden soil.

IMPROVED DWARF EARLY.—Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 65 cents.

TALL GREEN.—Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 65 cents.



IMPROVED DWARF, EARLY OKRA.

PARSNIP. Lat.—*Pastinacea sativa*. Ger.—*Pastinake*. Fr.—*Panais*. Sp.—*Pastinaca*.

Cultivated like carrots, except that they are better to be sown early, and may be left in the ground all winter, greatly to the improvement of their flavor. Sow the seed thickly.

LONG SMOOTH, OR HOLLOW CROWN (Abbot's Improved). The standard sort for general use. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents., pound 55 cents.

EARLY SHORT ROUND FRENCH.—The earliest; good quality. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.

IMPROVED GUERNSEY.—Smooth, fine-grained, excellent; shorter than the Hollow Crown; a heavy cropper. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.

HOLLOW CROWN PARSNIP. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.



HOLLOW CROWN PARSNIP.



SHORT ROUND PARSNIP.

PEPPER.

Lat.—*Capsicum annuum*. Ger.—*Spanischer Pfeffer*. Fr.—*Piment*. Sp.—*Pimiento*.

A light, warm loam is the best soil for peppers. Sow in March or April, in a hot-bed, and transplant when the weather is warm. They are quite tender and will not bear frost. Set the plants fifteen inches apart, and two feet between the rows. One ounce of seed will produce 2000 plants.

GOLDEN DAWN.—A new variety, very handsome, golden yellow, sweet, mild, and very productive. Packet 5 cents, ounce 30 cts., quarter-pound 85 cts., pound \$3.00.

CÉLESTIAL.—Another handsome new pepper; when fully ripe vivid scarlet; very productive, sharp clear flavor, excellent. Pkt. 10 cents, ounce 50c., quarter-pound \$1.75, pound \$6.00.

RED CHILI.—Small, cone-shaped, bright-red, fiery. Pkt. 5c., oz. 25c., quarter-pound 75c., lb. \$2.50.

LARGE BELL.—Large, early, bright-red, mild. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.



LARGE BELL PEPPER.

SWEET MOUNTAIN.—A large early sort, mild and excellent, bright-red. Packet 5c., ounce 25c., quarter-pound 75c., pound \$2.50.

CAYENNE LONG RED.—Long, bright-red, fiery. Packet 5 cents, ounce 25 cts., quarter-pound 75 cts., pound \$2.50.

RED CHERRY.—Small, round, glossy-red, very fiery. Packet 5 cts., ounce 25 cts., quarter-pound 75 cts., pound \$2.50.

NEW GOLDEN UPRIGHT.—New and distinct, grows twice as large as the Golden Dawn, fine for mangoes. Packet 10 cents, ounce 50 cents, quarter-pound \$1.50, pound \$5.00.



CAYENNE LONG RED PEPPER.

PEAS.

Lat.—Pisum Sativum. Ger.—Erbse. Fr.—Pois. Sp.—Guisante. A light, loamy soil is the best for peas. The early varieties are the better to have plenty of manure, the later sorts will grow well with ordinary cultivation. All the round-seeded varieties are quite hardy, and will stand a great deal of cold, and should therefore be sown as early in spring as possible. The wrinkled-seeded sorts are liable to mildew if sown too early. The dwarf varieties may be sown in drills three feet apart, and covered four inches deep. Taller varieties will require more space, according to their height; thus, a four-foot sort requires four feet between the rows; a six-foot variety, six feet, and so on. It is a common



AMERICAN WONDER PEAS.

practice to sow in double drills, six or eight inches apart, as by this method they can be bushed more economically; and if the soil is raised for the dwarf sorts, they can be successfully grown without staking. Plant for succession up to the first of June. A crop from a good dwarf early sort may be had if sown in August. Pick as soon as ripe. If allowed to ripen, the vines will cease bearing. One quart of seed will sow about eighty feet of drill.

EXTRA EARLY VARIETIES.

AMERICAN WONDER.—In spite of all the "wonders," in the shape of early peas, introduced during the past few years, this popular variety still heads the list as the very best early wrinkled pea in cultivation. Very dwarf, remarkably productive, good large pods, exquisite flavor. Height nine inches. Packet 10 cents, pint 20 cents, quart 40 cents.

EXTRA EARLY PREMIUM GEM.—An improved *Little Gem*. Dwarf, prolific, fine flavored, large pods; excellent either for market or home use; height ten inches. Packet 10 cents, pint 20 cents, quart 40 cents.

MCLEANS LITTLE GEM.—An early green marrow, of excellent quality, and an abundant bearer; height 12 in. Pkt. 10c., pt. 20c., qt. 40c.

ALASKA.—Dwarf, early, productive; a selection from *Invicta*. A good, very early pea for market, but deficient in flavor. Height twenty inches. Packet 10 cts., pint 25 cts., quart 45 cts.

PHILADELPHIA EXTRA EARLY.—This is the famous extra early pea with all the *aliases*: Carter's First Crop, Early Caractacus, Early

Kent, Early Dexter, Early Hancock, etc., and of which every seedsman in the country claims to have an extra fine stock and generally puts a "fancy name" and "fancy price" on. We are not behind our competitors, and claim to have as fine a selection as any and better than most, without asking you to pay for anything but good seed. This pea is still the **best extra early round pea** for market gardeners, and though old has still to be beaten. Height two feet. Packet 10 cents, pint 20 cents, quart 40 cts.

IMPROVED DANIEL O'ROURKE.—Very early, fine cropper, long pods, exquisite flavor; can be gathered at one picking; our stock is very select and not to be confounded with that usually sold for *Daniel O'Rourke*. Height two and a half feet. Pkt. 10c., pt. 20c., qt. 40c.

KENTISH INVICTA.—Early, long-podded, productive, popular. Height two and a half feet. Packet 10 cents, pint 20 cents, quart 40 cts.

LAXTON'S ALPHA.—An early wrinkled marrow of good quality. Height two feet. Packet 10 cents, pint 20 cents, quart 40 cents.

SECOND-EARLY AND MAIN CROP VARIETIES.

BLISS ABUNDANCE.—Medium early, very productive, good flavor. Height 2½ ft. Pkt. 10c., pt. 20c., qt. 40c.

BLISS EVERBEARING.—A large-podded, prolific, finely-flavored sort; continues a long time in bearing. Height 1½ ft. Pkt. 10 cts., pt. 20 cts., qt. 40 cts.

HORSFORD'S MARKET GARDEN.—A promising new pea, very productive, excellent for market. Height two and a half feet. Pkt. 10c., pt. 20c., qt. 40c.

ADVANCER.—The leading second early for market and home use; a fine-flavored, green wrinkled marrow; very productive and uniform; we cannot recommend this sort too highly, it is unsurpassed. Height two feet. Packet 10 cents, pint 20 cents, quart 35 cents.

PRIDE OF THE MARKET.—Medium early, dwarf, large-podded, fine quality. Height eighteen inches. Packet 10 cents, pint 30 cents, quart 50 cents.

YORKSHIRE HERO.—A splendid main crop pea, dwarf and branching, very prolific and delicious flavor; good for market or home use. Height two and a half feet. Packet 10 cents, pint 20 cents, quart 40 cents.

STRATAGEM.—The best late marrow pea grown; immense pods, splendid flavor, vigorous growth, needs no staking; very popular. Height two and a half feet. Packet 10 cents, pint 25 cents, quart 45 cents.

TELEGRAPH.—Very large pods and peas, fine flavor and very productive. Height 4 ft. Pkt. 10c., pt. 30c., qt. 55c.

TALL BUTTER SUGAR (Edible Pods).—The young pods are used like string beans; very tender long pods. Height five ft. Pkt. 10c., pt. 20c., qt. 40c.

DWARF SUGAR (Edible Pods).—Similar to preceding, but dwarf. Height three feet. Packet 10 cents, pint 20 cents, quart 40 cents.

CHAMPION OF ENGLAND.—An old favorite main crop pea; good flavor, productive and excellent. Height five feet. Pkt. 10 cts., pt. 20 cts., qt. 35 cts.

BLACK EYE MARROW.—A good late sort for market; hardy, productive; excellent either as a field or table pea. Height 3 ft. Pkt. 10c., pt. 20c., qt. 35c.

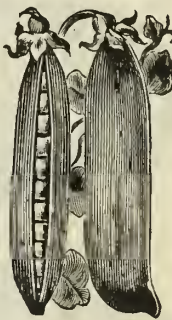
DWARF WHITE MARROW.—One of the best late sorts; very productive, good flavor. Height three feet. Pkt. 10 cts., pint 20 cts., quart 35 cts.

SPECIAL NOTICE!

Please remember we mail free at these prices. If wanted by express, 15 cents per quart may be deducted.



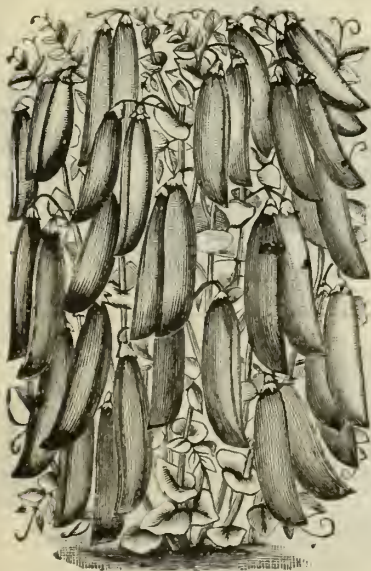
ADVANCER PEA.



STRATAGEM PEA.



TELEGRAPH PEA.



PHILADELPHIA EXTRA EARLY PEAS.

POTATOES.

Lat.—*Solanum Tuberosum*. Ger.—Kartoffel. Fr.—Pomme de Terre. Sp.—Batate.

Our seed potatoes are all Northern grown, from specially-selected tubers, and are guaranteed to be as pure stock as any in the market. Potatoes grown in this way, with so much care, necessarily cost more, but it is absolutely indispensable

to the farmer to be sure when he is getting a change of seed, that he gets only the best. The results in increased vigor of growth, yield and earliness of maturity will be speedily apparent. We ship as soon as danger from frost is past, either by freight or express. The marine facilities of Philadelphia with seaports in South being unequaled, it will often be found economical to send by sea.

Prices are subject to market changes.

SPECIAL PRICES ON TEN-BARREL LOTS OR OVER.

POTATOES BY MAIL,

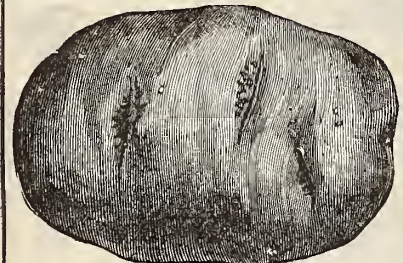
Carefully Packed and Correctly Labeled, 30 Cents per pound. Five pounds for \$1.00 for all sorts enumerated below.



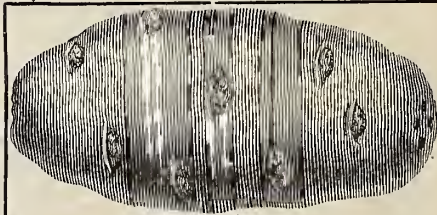
MAMMOTH PEARL.



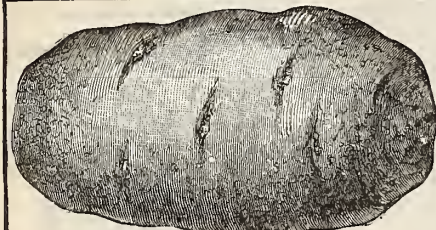
CLARK'S No. 1.



EARLY OHIO.



EMPIRE STATE.



DAKOTA RED.

MAMMOTH PEARL.

—A handsome medium-late variety, of excellent quality and very productive; keeps well. Peck 65 cents, bushel \$2.00, barrel \$4.00.

CLARK'S No. 1.—Early and more productive than Early Rose, which it somewhat resembles. Peck 75 cents, bushel \$2.25, barrel \$4.50.

EARLY OHIO.—Very early. Peck 75 cents, bushel \$2.25, barrel \$4.50.

EMPIRE STATE.—Very productive good quality. Peck 75 cents, bushel \$2.25, barrel \$4.50.

BEAUTY OF HEBRON.—The most popular early variety grown; skin rose colored; flesh pure white, fine quality. Peck 75 cents, bushel \$2.25, barrel \$4.50.

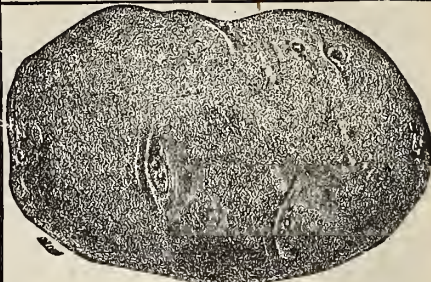
DAKOTA RED.—A late sort; red skin, white flesh, productive, profitable. Peck 75 cents, bushel \$2.25, barrel \$4.50.

WHITE STAR.—Medium early, fine quality, productive, good keeper. Peck 65 cents, bushel \$2.00, barrel \$4.00.

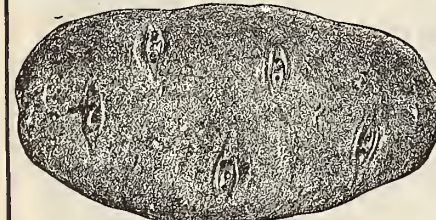
EARLY ROSE.—The standard early sort. Peck 65 cents, bushel \$2.00, barrel \$4.00.

CHAS. DOWNING.—Very handsome; fine quality. Peck \$1.00, bushel \$3.25, barrel \$7.00.

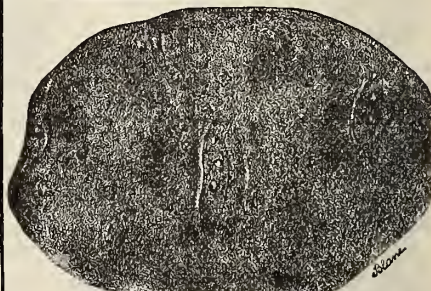
STATE OF MAINE.—A medium early; very mealy, white flesh. Peck 75 cts., bushel \$2.25, barrel \$4.50.



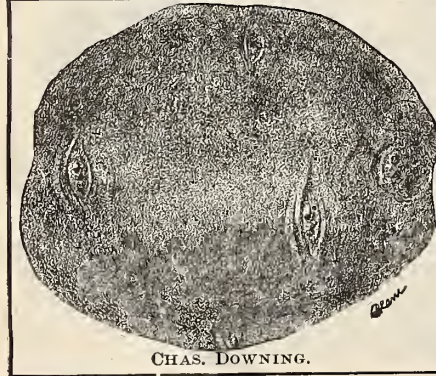
BEAUTY OF HEBRON.



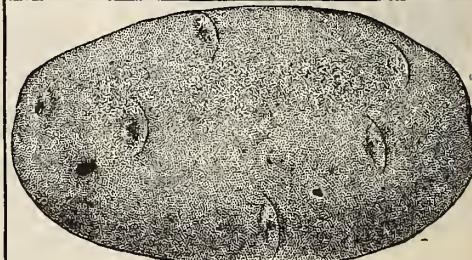
WHITE STAR.



EARLY ROSE.



CHAS. DOWNING.



STATE OF MAINE.

PUMPKIN.

Lat.—*Cucurbita pepo*. Ger.—Kurbiss. Fr.—Citrouille. Sp.—Calabaza tontuera. These are usually grown for stock feed, and are generally scattered at intervals in the hills while planting sweet corn. For making pumpkin pies, the squashes are very much superior. One ounce to fifteen hills.

LARGE CHEESE.—Very superior, productive, fine-grained, good flavor, cheese-shaped. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound 85 cents.
CASHAW.—One of the largest and best, yellow, solid, good keeper. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound 85 cents.

IMPROVED MAMMOTH, OR POITIRON.—Grows enormously large (from 100 to over 200 pounds), round, flattened; skin salmon; flesh yellow, fine-grained, good quality. Pkt. 5c., oz. 15c., quarter-pound 50c., pound \$2.00.
CONNECTICUT FIELD.—The common yellow pumpkin. Packet 5 cts., quarter-pound 15 cents, pound 40 cents.

RADISH.

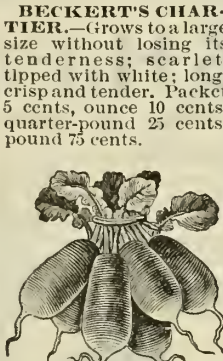
Lat.—*Raphanus sativus*. Ger.—Rettig. Fr.—Radis. Sp.—Rabanito.

A moderately rich, light loam is the best soil to use, and sowings may be made either in drills, or broadcast in narrow beds. To have radishes at their best—crisp, tender and juicy—they must make a rapid growth, and be pulled while young. For early use, sowings may be made in a hot-bed at intervals from February to April. In the open

ground, sowings can be made from the middle of May, and at intervals afterwards. Winter varieties are sown in July or August, and the roots stored in the cellar in earthen. When these latter are to be used, they should be first steeped for an hour in cold water. One ounce to one hundred feet of drill.



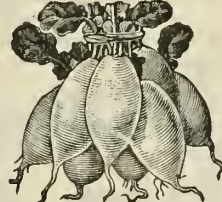
BECKERT'S
CHARTIER RADISH.



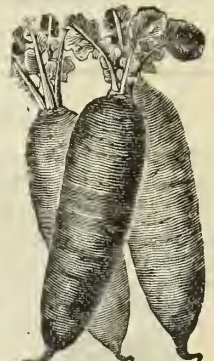
FRENCH BREAKFAST
RADISH.



CALIFORNIA
MAMMOTH WINTER
RADISH.

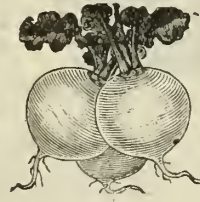


WHITE OLIVE
RADISH.



LONG BLACK SPANISH
RADISH.

FRENCH BREAKFAST.—An oval sort; scarlet with white tip, crisp, tender. Packet 5c., ounce 10 cts., quarter-pound 20 cts., pound 55 cts.
SCARLET OLIVE.—Oblong, scarlet, tender, good forer. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.
WHITE OLIVE.—Same as the preceding, except in color. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.
SCARLET TURNIP.—Very early, round, rich scarlet, small top, one of the best; fine for forcing. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.
WHITE TURNIP.—Same as the preceding, but white. Packet 5 cts., ounce 10 cts., quarter-pound 20 cents, pound 60 cents.
CHINESE WINTER.—Popular winter sort, medium size, bright-rose, excellent. Packet 5c., oz. 10c., 1/4-lb. 25c., lb. 75c.
WHITE STRASBURG.—A large, handsome, white variety, of excellent quality, early. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 75 cents.



WHITE TURNIP
RADISH.

WHITE TIPT SCARLET TURNIP.—A small round variety, very attractive, excellent. Pkt. 5c., oz. 10c., quarter-pound 20c., pound 60c.
LONG BLACK SPANISH.—A winter variety, large, mild and firm, skin black, flesh white. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 75 cents.
LONG WHITE SPANISH.—A winter sort, similar to Black Spanish, except in color. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 75 cents.
LONG SALMON SHORT TOP.—Rich scarlet, long shape, short top, straight, smooth, early, crisp, tender, very popular both for market and home use. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 60 cents.
RAT-TAILED (*Raphanus caudatus*).—A variety from China, the seed-pods of which are used in salads and pickles. Packet 10 cents, ounce 35 cents, quarter-pound \$1.00, pound \$3.50.

RHUBARB.

Lat.—*Rheum Raponticum*. Ger.—Rhubarber. Fr.—Rhubarb hybrida. Sp.—Ruibarbo hibrida. Rhubarb is mostly propagated by division of the roots, but may be obtained from seed by sowing in a hot bed in March and planting out in May. A good, deep soil, heavily manured, is the best for raising good crops. Plant either the root divisions or the one-year seedlings in rows four feet apart and three feet between the plants. Give a heavy top-dressing every fall. Do not pluck the stalks until the third year.

LINNAEUS.—Early and tender; the best for home use. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.00. Roots, \$2.00 per dozen; per fifty, \$5.00; per hundred, \$8.00.

VICTORIA.—Very large, productive, profitable; the best for market. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.00. Roots, \$2.00 per dozen; per fifty, \$5.00; per hundred, \$8.00.

SALSIFY, or VEGETABLE OYSTER.

Lat.—*Tragopogon porrifolius*. Ger.—Haferrwurz. Fr.—Salsifis. Sp.—Salsifi. A delicious vegetable with an oyster flavor when cooked. It may be either stewed, boiled, or fried, and is also sliced raw in vinegar, and used as a salad. Sow early in spring, in a deep, mellow soil, in drills fifteen inches apart, covering the seeds one or two inches deep. When large enough, thin to six inches apart. The roots may either be left in the ground till spring, or

stored in the same way as carrots. One ounce to fifty feet of drill.

SALSIFY.—The standard sort. Packet 5 cents, ounce 15 cents, quarter-pound 45 cents, pound \$1.50.

SCOLYMUS. A vegetable used in the same way as Salsify. Cultivate the same as recommended for parsnips or carrots, except that they require eighteen inches space in the rows, and three feet between the rows. Packet 5 cents, ounce 20 cents, quarter-pound 65 cents, pound \$2.00.



SCORZONERA.

SCORZONERA. A very fine vegetable in the way of salsify, but more difficult to raise. Requires the same treatment, and, by many, is considered superior to the oyster plant. Packet 5 cents, ounce 20 cents, quarter pound 60 cents, pound \$2.00.

SKIRRET. The roots of this plant are plump and fleshy and sweet. Cooked and used as salsify. Sow in drills one foot apart, covering the seeds half an inch. Thin out eight inches apart. Take up the roots in the fall and store them in sand or earth. Packet 5 cents, ounce 30 cents, quarter pound 85 cents, pound \$2.50.

SORREL. Sow in April or May, in drills fifteen inches apart, and thin out to twelve inches apart in the rows. By midsummer the leaves will be large enough for gathering. Pinch off the flower stalks as they appear. It is used in the same way as spinach, and is often mixed with that vegetable. The French are far more alive to the value of sorrel than we are, their cooks holding it in even higher estimation than spinach. Ought to be more largely grown. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

SPINACH.

Lat.—Spinacea oleracea. Ger.—Spinat. Fr.—Espinard. Sp.—Espinaca. Sow in good, rich soil, in drills one foot apart, covering the seed one inch deep, at intervals of two weeks from April to July. For winter use, sow in August and protect with a covering of straw during cold weather. The soil cannot be made too rich. One ounce to 100 feet of drill, sixteen pounds per acre.



VIROFLAY SPINACH.

VIROFLAY.—Has very large, thick leaves; quick growth; very popular in the New York and Boston markets. Packet 5c., ounce 10c., quarter-pound 20c., pound 40c.
BLOOMSDALE.—Large, curled leaves; tender and fine. Packet 5c., ounce 10c., quarter-pound 20c., pound 40c.
FLANDERS.—Round-leaved, productive, excellent. Packet 5c., ounce 10c., quarter-pound 20c., pound 40c.
PRICKLY.—Vigorous and hardy; good for winter. Packet 5c., ounce 10c., quarter-pound 20c., pound 35c.
NEW ZEALAND (Tetragonia expansa).—Very distinct; grows well during hot weather. Packet 5 cents, ounce 10 cents, quarter-pound 30 cents, pound \$1.00.

SQUASH.

Lat.—Cucurbita melo-pepo. Ger.—Speise Kurbiss. Fr.—Courge. Sp.—Calabaza bonetara.

The squash is of tropical origin, and only succeeds well in a warm temperature; consequently the seeds should not be planted out until the ground is warm and mellow. The hills should be about six feet apart for winter varieties, and four feet for summer sorts. In forming these, dig a hole ten inches deep and two feet in diameter, and fill up within four inches of the top with well-rotted manure.

Over this place sufficient fine loam to raise the hill four inches above the surface. Plant about fifteen seeds in each and cover an inch deep. Thin out gradually the weakest vines, and finally, when all danger from bugs is past, leave three vigorous vines to the hill. Cultivate well, and keep the ground clear of weeds. One ounce of seed to about forty hills; four to six pounds to the acre.



ESSEX HYBRID SQUASH.



PINEAPPLE SQUASH.



WINTER CROOKNECK SQUASH.



EARLY WHITE BUSH SCALLOP SQUASH.



HUBBARD SQUASH.

PERFECT GEM.—Round, handsome, productive, excellent quality; good both as a fall and winter variety. Packet 5 cts., ounce 10 cts., quarter-pound 30c., pound \$1.00.

EARLY WHITE BUSH SCALLOP.—Cream-colored, scalloped, early, productive, medium size, the best for early market, excellent shipper. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

EARLY YELLOW BUSH SCALLOP.—Like the preceding, except in color. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

SUMMER CROOKNECK.—The best summer variety, early and prolific, skin yellow, warty, excellent quality. Packet 5 cts., ounce 10 cts., quarter-pound 20 cts., pound 70c.

COCOANUT.—Small, yellow, very prolific, good quality, fine-grained, sweet and solid, excellent for home use. Packet 5 cts., ounce 10 cts., quarter-pound 30c., pound \$1.00.

PINEAPPLE.—Skin and flesh creamy-white, fine-grained, good quality, has a peculiar cocoanut flavor. Packet 5 cts., ounce 10 cts., quarter-pound 30c., pound \$1.00.

BUTMAN.—Skin green, flesh yellow, fine-grained, sweet, excellent for winter. Packet 5 cents, ounce 10 cts., quarter-pound 25 cents, pound 75 cents.

BOSTON MARROW.—A standard fall variety, skin and flesh orange, rich and tender. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

HUBBARD.—The best winter squash, large, fine-grained, good quality, a good keeper and very popular. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cts.

MARBLEHEAD.—Somewhat in the way of the preceding, but with harder shell of a bluish color; good winter squash. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

BRAZIL SUGAR.—A medium-sized summer squash, flesh and skin yellow, rich, dry, and very sweet; rapid grower, and very prolific. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, pound 80 cents.

CANADA WINTER CROOKNECK.—The best winter crookneck, small size, very productive. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70c.

TURBAN.—The best autumn squash. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 70 cents.

LOW'S BAY STATE.—Introduced in 1888; resembles somewhat the Essex Hybrid; shell very hard, color blue, very heavy and solid. Packet 5 cts., ounce 10 cts., quarter-pound 30 cts, pound \$1.00.

VEGETABLE MARROW.—An English variety with oblong yellow fruit, very rich and tender. Packet 5 cents, ounce 15 cents, quarter-pound 45 cents, pound \$1.50.

MAMMOTH CHILI.—Grows to an enormous size, good quality, productive and profitable; excellent for stock feed during winter. Packet 5 cents, ounce 20 cents, quarter-pound 80 cents, pound \$1.75.

ESSEX HYBRID.—An excellent winter squash, fine-grained, sweet; an excellent keeper, early, grows quickly, very productive, and one of the richest flavored of all. Packet 5 cts., ounce 10 cts., quarter-pound 20c., pound 70 c.

SUNFLOWER. The seeds are used mostly for feeding poultry, and for the oil which is extracted. It is claimed also that the leaves are an excellent stock feed, and also that if planted on low swampy ground, is an absorbent of miasma.
LARGE RUSSIAN.—Packet 5 cents, ounce 10 cents, quarter-pound 15 cents, pound 30 cents. By express: bushel, \$4.00; peck, \$1.25.

TOBACCO (Nicotiana tabacum).
CONNECTICUT SEED LEAF.—Extensively grown in the Eastern and Middle States. Used for cigar wrappers. Packet 5 cents, ounce 30 cents, quarter-pound \$1, pound \$3.
HAVANNA.—Imported seed. Packet 10 cents, ounce 50 cents, quarter-pound \$1.75, pound \$6.00.

TOMATO.

Lat.—*Lycopersicum esculentum*. Ger.—*Liebes-apfel*. Fr.—*Tomate*. Sp.—*Tomate*. As the years roll by, the tomato seems to rise higher and higher in public estimation. As regards perfection in color, size, and solidity of flesh the improvement made of late years is remarkable; but there is still room for advance in the way of earlier sorts. Seed may be sown in February or March in a hot-bed and transplanted, when two inches high, into boxes or pots. As soon as the weather is warm, plant out in the open ground, in a light, loamy soil, well sheltered, setting the plants about four feet apart each way. A handy support for the vines, when fruiting, can be made with three old barrel hoops nailed on three uprights stuck in the ground. The lower hoop should be smaller than the middle, and the top hoop should be the largest of all.

MIKADO.—A new variety of very large size; solid; free from core, and almost seedless; round and even; bright, red, smooth skin. Excellent quality, and a fine yielder. Packet 5 cents, ounce 40 cents, quarter-pound \$1.45, pound \$4.50.



MIKADO TOMATO.

GOLDEN QUEEN.—The best yellow tomato; medium early, smooth, round, very productive. Excellent quality. Handsome. Packet 5 cents, ounce 40 cents, quarter-pound \$1.25, pound \$4.00.



GOLDEN QUEEN TOMATO.

LIVINGSTON'S BEAUTY.—Another new sort of great merit; round, smooth, glossy; crimson, tinged with purple. Excellent quality; solid and free from core. Early, vigorous, and a good shipper; in color very striking and handsome. Packet 5c., oz. 30c., quarter-pound 85c., lb. \$3.00.

CARDINAL.—Skin bright cardinal; flesh deep red, firm, solid; no core; round, smooth, handsome. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

LIVINGSTON'S PERFECTION.—Large, early, blood red; smooth, firm flesh, of fine quality; productive, excellent. Packet 5c., ounce 25c., quarter-pound 80c., pound \$3.00.

ACME.—Medium size, early, productive; dark rich red;



TOMATO SUPPORTED WITH BARREL HOOPS.

PARAGON.—Very large, medium-early, dark red, solid; excellent quality. Packet 5 cents, ounce 25 cents, quarter-pound 80 cents, pound \$3.00.

FAVORITE.—Large, early sort, resembling Perfection, but darker in color. Excellent. Packet 5 cents,



PARAGON TOMATO.

ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

TROPHY.—A standard large variety; medium-early, smooth, handsome. Packet 5 cents, ounce 25 cents, quarter-pound 80 cents, pound \$3.00.



FAVORITE TOMATO.

solid, smooth, fine flavored. Packet 5 cents, ounce 25 cents, quarter-pound 80 cents, pound \$3.00.

MA FLOWER.—Large, smooth, bright red; fine quality; good yielder. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

RED CHERRY.—Small red sort for preserves. Packet 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.50.

YELLOW PLUM.—Small bright yellow, oval; for preserves. Pkt. 5c., ounce 40c., quarter-pound \$1.25, pound \$4.00.

STRAWBERRY (Physalis alkekengi), also called "Ground Cherry."—Small fruit about the size of a cherry. Used for preserves. Pkt. 5c., ounce 40c., 1/4-lb. \$1.25, lb. \$4.00.

TURNIP.

Lat.—*Brassica campestris*. Ger.—*Rube*. Fr.—*Navet*. Sp.—*Nabo*. Turnips for early use may be sown as soon as the ground opens in spring. For fall and winter use, sow the early sorts from July to the middle of August; the ruta bagas from June to the middle of July. They may be sown either broadcast or in drills. The best crops can be raised from drills 18 inches apart, and the plants thinned to 6 inches asunder. Three pounds of seed will sow an acre.

will sow an acre.

PURPLE TOP MUNICH.—A very early variety, white, with purple top, good shape and quality, productive. Pkt. 5c., ounce 10 cts., quarter-pound 20c., pound 60c.

WHITE EGG.—Large, oval, pure white, smooth skin, excellent quality, fine for fall crop. Pkt. 5c., ounce 10c., quarter-pound 20c., pound 60c.

FLAT DUTCH WHITE.—An early flat white, excellent quality, popular. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 50 cents.

RED TOP FLAT.—Similar to preceding, but with purple top; the most popular table turnip in cultivation, excellent. Pkt. 5c., ounce 10c., quarter-pound 20c., pound 50c.

ABERDEEN GREEN TOP YELLOW.—Globe-shaped, large, firm, yellow flesh, sweet and excellent, an old favorite. Packet 5 cts., ounce 10c., quarter-pound 20c., pound 50c.

GARDINER'S SELECT GOLDEN BALL.—Round, deep-yellow, flesh firm and sweet, one of the handsomest varieties in cultivation; perfect in shape, and of a beautiful deep golden-yellow; it is a splendid keeper, and unsurpassed as a table sort; highly recommended. Packet 10 cts., ounce 25 cents, quarter-pound 75 cents.

GARDINER'S EARLY WHITE MODEL.—In shape, this resembles the preceding, and is equally valuable for home use; the handsomest and best white turnip for the table; all who have tried it pronounce it perfection. Packet 10 cents, ounce 25 cents, quarter-pound 75 cents.



WHITE EGG TURNIP.



PURPLE TOP MUNICH TURNIP.



COWHORN TURNIP.

COW HORN.—Rapid grower, fine flavor, excellent for home or market use. Packet 5 cents, ounce 10 cents, quarter-pound 20 cts., pound 50 cents.

ORANGE JELLY.—Round, deep-yellow, firm, excellent, sweet, good keeper. Packet 5 cents, ounce 10 cts., quarter-pound 20 cts., pound 60 cts.

JERSEY NAVET.—Delicate flavor, sweet and excellent. Packet 5 cts., ounce 10 cts., quarter-pound 20 cts., pound 50c.

RUTA BAGA, OR SWEDE TURNIP.

GREEN-TOP SWEDE.—Fine uniform shape; solid, firm, yellow flesh; small neck; very productive. Packet 5 cents, ounce 10 cents, quarter-pound 20 cts., pound 40 cts.

PURPLE-TOP SWEDE.—Large, solid, fine shape, good quality; a heavy cropper. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 40 cents.

LAING'S SWEDE.—An early yellow flesh. Excellent for home use. Pkt. 5c., ounce 10c., 1/4-lb. 20c., pound 40c.

SWEET GERMAN SWEDE.—Globe-shaped, white flesh, good flavor. Pkt. 5c., ounce 10c., 1/4-lb. 20c., pound 40c.

WHITE FRENCH.—Oval-shaped; clear, white flesh. An excellent winter variety. Packet 5 cents, ounce 10 cents, quarter-pound 20 cents, pound 40 cents.

HERBS—SWEET, POT, AND MEDICINAL.

There are few subjects to which a small space of the garden may be allotted with so much advantage as Herbs. For garnishing, seasoning, and many other purposes, they are indispensable, and no garden, however small, is complete without at least a few of the principal varieties. They are of the easiest culture, merely requiring to be sown in

April or May, in drills 15 inches apart, and thinned out when they stand too thick. When the ground is well covered with foliage, a part of the crop should be cut and bunched, to allow the remainder room to spread out and give an increased yield. It is generally best to cut all kinds of Herbs just as they are coming into bloom.



SWEET MARJORAM.

ANISE (*Pimpinella anisum*).—Used for garnishing and seasoning. The seeds are employed in medicine as a carminative and aromatic. Packet 5 cents, ounce 15 cents, pound \$1.00. **Anise seed for flavoring**, 25 cents per pound.

ARNICA (*Arnica montana*).—This plant is a powerful sternutatory and has also many important medicinal properties. Packet 10 cents, ounce \$2.

BALM (*Melissa officinalis*).—"Balm tea" is a very beneficial drink in cases of fever, and a pleasant beverage is also made from this plant



FRENCH THYME.

under the name of "balm wine." Packet 10 cents, ounce 40 cents.

BASIL, BUSH (*Ocimum minimum*).—The leafy tops have a strong flavor of cloves, and are used in highly seasoned dishes, and sometimes in salads and soups. Packet 5 cents, ounce 20 cents, pound \$2.00.

BASIL, SWEET (*Ocimum basilicum*).—A larger growing variety of the preceding. Packet 5 cents, ounce 20 cents, pound \$2.00.

BORAGE (*Borago officinalis*).—The tender tops and young leaves are used in salads, the flower spikes in negus and cool tankards, and the blossoms for garnishing. Packet 5 cents, ounce 20 cents, pound \$2.00.

BENE (*Sesamum orientale*).—The seeds of this contain an abundance of oil often substituted for olive oil. Packet 5 cents, ounce 50 cents.

BURNET (*Poterium sanguisorba*).—The leaves are used for salads and soups, and are also a favorite ingredient in cool tankard. Packet 5 cents, ounce 20 cents.

CARAWAY (*Carum carui*).—Cultivated chiefly for the seeds, which are used in confectionary, in medicine, and for distillation with spirits. In spring, the young leaves are used in soups. Packet 5 cents, ounce 10 cents, pound 60 cents. **Caraway seed for flavoring**, 20 cents per pound.

CATNIP (*Nepeta cataria*).—A valuable diuretic for these useful household pets, especially in cities, where grass or other antiseptics are difficult of access. Packet 10 cents, ounce 50 cents.

CORIANDER (*Coriandrum sativum*).—The whole plant is highly aromatic, and the leaves are used in soups and salads; but it is more extensively grown for its seeds, which are largely used by confectioners and druggists. Packet 5 cents, ounce 20 cents. **Coriander seed for flavoring**, 20 cents per pound.

DILL (*Anethum graveolens*).—The leaves are used to heighten the relish of vegetables, particularly cucumbers and other pickles, and occasionally put into soups and salads. The whole herb is also used in medicinal preparations. Packet 5 cents, ounce 15 cents. **Dill seed for flavoring**, 30 cents per pound.

FENNEL (*Anethum foniculatum*).—The tender stalks are used in soups, and the leaves in soups and sauces. Excellent for garnishing. In medicine, the seeds are extensively used as a carminative. Packet 5 cents, ounce 15 cents. **Fennel for flavoring**, 25 cents per pound.

HOREHOUND (*Marrubium vulgare*).—Valuable for its tonic and laxative properties, and highly beneficial in cases of cough or asthma. Packet 10 cents, ounce 40 cents.

HYSSOP (*Hyssopus officinalis*).—The leaves and young shoots are occasionally used as a pot herb, and the leafy tops and flower spikes are cut and dried for medicinal purposes. Packet 10 cents, ounce 40 cents.

LAVENDER, "English Lavender," (*Lavendula spica*).—The well-known perfume "lavender water" is obtained by distillation from this plant. The leaves are sometimes used in sauces, but the plant is valued chiefly for medicinal purposes, and for its delicious perfume. Packet 10 cents, ounce 20 cents.

LOVAGE (*Levisticum officinalis*).—Used chiefly for medicinal purposes. It is a valuable agency for relieving flatulency. Packet 10 cents, ounce 40 cents.

MARJORAM, SWEET (*Origanum marjorana*).—A very relishing herb, with a sweet, aromatic flavor; much used in soups and stuffings. The tops and leaves are used both in the green and dry state. Packet 5 cents, ounce 25 cents, pound \$2.50.

MARJORAM, POT (*Origanum onites*).—A perennial variety of marjoram, used in the same way as the preceding. Packet 10 cents, ounce 40 cents.

MARIGOLD, POT (*Calendula officinalis*).—The flowers are used in broths and soups, and also in domestic medicine, in a dry state. The blooms should be cut when fully opened. Packet 5 cents, ounce 25 cents.

PENNYROYAL (*Hedeoma pulegioides*).—This is a kind of mint, and is used chiefly for making "Pennyroyal water." Packet 10 cents, ounce \$1.00.

ROSEMARY (*Rosemarinus officinalis*).—The flowers form a principal ingredient in Hungarian water, and the sprigs are used as a garnish. An infusion of the leaves is also used for making some kinds of drinks. Packet 10 cents, ounce 50 cents.

RUE (*Ruta graveolens*).—The leaves are used in medicinal drinks, and are also given to poultry having the croup. Packet 10 cents, ounce 30 cents.

SAGE (*Salvia officinalis*).—The leaves are used in sauces and stuffings, and to improve the flavor of various articles of cookery. Packet 5 cts., ounce 20 cts., pound \$2.00.

SORREL (*Rumex crispus*).—Used green in the same way as, and by many preferred to, spinach. Packet 5 cts., ounce 20 cents, pound \$2.00.

SAVORY, SUMMER (*Satureja hortensis*).—Largely used for soups and salads. If wanted for winter use, draw it by the roots, and hang up to dry. Packet 5 cents, ounce 50 cents, pound \$1.50.

SAVORY, WINTER (*Satureja montana*).—Used in the green state in winter for salads and soups. Packet 5 cents, ounce 20 cents, pound \$1.50.

THYME (*Thymus vulgaris*).—A highly aromatic herb, the young tops and leaves of which are used in soups, stuffings, and sauces. Packet 5 cents, ounce 30 cents, pound \$4.00.

WOODRUFF (*Asperula odorata*).—This is the principal ingredient of "maitrank." Packet 10c., ounce \$2.00.

WORMWOOD (*Artemisia absinthium*).—An intensely bitter aromatic herb, used chiefly for medicinal purposes. Packet 5 cents, ounce 20 cents, pound \$2.00.



SAGE.

EGG FOOD.

For all kinds of laying fowls and young poultry. Will make your hens lay winter and summer; supports them during moulting, and keeps the fowls in the best condition; prevents and cures the common ailments, such as cholera, gapes, and roup.

	1-lb. Pkg.	2 1-2 lb. Pkg.	6-lb. Box.	10-lb. Box.	25 lb. Keg.
Imperial,	\$0.50	\$1.00	\$2.00	\$3.00	\$6.25
Eggine, . . . . .	.40	.90	1.80	2.75	5.75

Add 8 cents per pound if wanted by mail.

BIRD SEEDS, ETC.

Free, by mail, at quart or pound prices.

Canary, Sicily, . . . per qt. .30	Millet, German, for
" Smyrna, " .25	Birds, per qt. .20
Hemp, Russian, . . . " .20	Maw, or Poppy Seed, per lb. .30
" American, " .20	Cuttle-fish Bone, " .50
Rape, English, " .30	Mocking-Bird Food,
" German, " .30	1-lb. bottles, each, .40
Unhulled Rice or	Mocking-Bird Food,
Paddy, " .30	In bulk, per lb. .35
Sunflower, Large Russian,	Song Restorer, per bottle, .35
10c. pt., 25c. qt., \$4.00 bush.	Parrot Food, 25c. qt., \$2.50 bu.

Gardiner's Selected Vegetable Plants.

These are grown from stock seed furnished by us, by an experienced market gardener, and can be thoroughly depended on as being true to name and of unsurpassed quality—a fact of very great importance. On lots of 5000 and upwards, please correspond for special prices.

CABBAGE ,—Ready, Early and Second	PER 50	PER 100	PER 1000
Early, April 8th; late, June 10th.	\$0 40	\$0 75	\$4 50
Extra Early Wakefield,	35	60	5 00
Henderson's Early Summer,	35	60	4 50
Fotler's Improved Brunswick,	20	30	2 00
Premium Flat Dutch,	30	50	4 00
Improved American Savoy,	40	70	
Red Drumhead,			
CELERY ,—Note that our price on Celery plants varies with the season, the early plants being higher in price. Ready June 1st.			
White Plume,	60	1 00	
Golden Self-Blanching,	60	1 00	
Turnip Rooted,	50	75	5 00
CELERY ,—Ready June 20th.			
Dwarf Golden Heart,	35	60	4 00
Perfection Heartwell,	35	60	4 00
White Plume,	35	60	4 00
Turnip Rooted,	35	60	4 00
CELERY ,—Ready July 1st.			
Dwarf Golden Heart,	30	50	2 75
Giant Golden Heart,	50	75	3 25
Perfection Heartwell,	30	50	2 75
White Plume,	30	50	2 75
New Rose,	30	50	2 75
CAULIFLOWER (Early) ,—Ready Apr. 8.			
Henderson's Snowball,	75	1 25	6 00
Extra Early Erfurt,	75	1 25	6 00

CAULIFLOWER (Second Early) ,—	PER 50	PER 100	PER 1000
Ready May 1st.	40	75	5 00
Lenormand's,	40	75	5 00
Extra Early Erfurt,			
CAULIFLOWER (Late) ,—Ready June 10.			
Lenormand's,	25	50	3 50
Extra Early Erfurt,	25	50	3 50
Autumn Giant,	25	50	3 50
KOHL RABI ,—Ready April 10th.			
Early White Vienna,	35	60	
SWEET POTATO ,—Ready May 15th.			
Yellow Nansensmond,		35	2 50
TOMATO ,—Ready May 10th.	Doz.	50	100
Acme,	\$0 25	\$0 85	\$1 50
Acme, in flat boxes. These will bring the earliest Tomatoes, as the growth is not checked when transplanted. Per box of six extra-strong plants, 30 cents,		50	
Favorite,	25	85	1 50
Beauty,	25	85	1 50
Mikado, or Turner's Hybrid,	25	85	1 50
EGG PLANT ,—Ready May 10th.			
New York Improved Purple,	25	85	1 50
PEPPER ,—Ready May 10th.			
Sweet Mountain, Extra,	25	85	1 50
Ruby King, very large,	25	85	1 50
Golden Dawn,	25	85	1 50

Special Prices on large quantities.

VALUABLE TABLES.—Seed requisite to produce a given number of plants and sow an acre.

	Quantity per acre.		Quantity per acre.
Artichoke, 1 ounce to 500 plants,	1/2 lb.	Hemp,	1/2 bu.
Asparagus, 1 ounce to 200 plants,	5 lbs.	Kale, 1 ounce to 3000 plants,	4 oz.
Barley,	2 1/2 bu.	Kohl Rabi, 1 ounce to 200 feet of drill,	1 1/2 lts.
Beans, Dwarf, 1 quart to 150 feet of drill,	1 1/2 "	Leek, 1 ounce to 250 feet of drill,	4 "
Beans, Pole, 1 quart to 200 hills,	1 1/2 "	Lettuce, 1 ounce to 250 feet of drill,	3 "
Beet, Garden, 1 ounce to 100 feet of drill,	10 lbs.	Martynia, 1 ounce to 50 feet of drill,	10 "
Beet, Mangel, 1 ounce to 150 feet of drill,	6 "	Melon, Musk, 1 ounce to 100 hills,	1 3/4 "
Brocoli, 1 ounce to 3000 plants,	5 oz.	Water, 1 ounce to 25 hills,	1 1/2 "
Broom Corn,	10 lbs.	Nasturtium, 1 ounce to 50 feet of drill,	10 bu.
Brussels, Sprouts, 1 ounce to 3000 plants,	5 oz.	Oats,	2 1/2 "
Buckwheat,	1/2 bu.	Okra, 1 ounce to 50 feet of drill,	10 lbs.
Cabbage, 1 ounce to 3000 plants,	5 oz.	Onion Seed, 1 ounce to 200 feet of drill,	4 to 5 "
Carrot, 1 ounce to 150 feet of drill,	2 1/2 lbs.	for Sets,	30 to 50 "
Cauliflower, 1 ounce to 3000 plants,	5 oz.	Onion Sets, 1 quart to 20 feet of drill,	8 bu.
Celery, 1 ounce to 10,000 plants,	4 "	Parsnip, 1 ounce to 250 feet of drill,	5 lbs.
Clover, Alsike and White Dutch,	6 lbs.	Parsley, 1 ounce to 250 feet of drill,	8 "
Lucerne, Large Red and Crimson Trefoil,	8 "	Peas, Garden, 1 quart to 80 feet of drill,	1 1/2 bu.
Medium,	10 "	Field,	2 1/2 "
Collards, 1 ounce to 2500 plants,	6 oz.	Pepper, 1 ounce to 1500 plants,	4 oz.
Corn, Sweet, 1 quart to 500 hills,	8 qts.	Potatoes,	8 bu.
Cress, 1 ounce to 150 feet of drill,	8 lbs.	Pumpkin, 1 quart to 300 hills,	4 qts.
Cucumber, 1 ounce to 80 hills,	1 1/4 "	Radish, 1 ounce to 100 feet of drill,	8 lbs.
Egg Plant, 1 ounce to 2000 plants,	8 oz.	Rye,	1 1/2 bu.
Endive, 1 ounce to 150 feet of drill,	3 lbs.	Salsify, 1 ounce to 50 feet of drill,	8 lbs.
Flax, broadcast,	1/2 bu.	Spinach, 1 ounce to 100 feet of drill,	10 "
Garlic, bulbs, 1 pound to 10 feet of drill,	2 1/2 lbs.	Summer Savory, 1 ounce to 500 feet of drill,	2 "
Gourd, 1 ounce to 25 hills,	2 bu.	Squash, Summer, 1 ounce to 40 hills,	2 "
Grass, Blue, Kentucky,	1 "	Winter, 1 ounce to 10 hills,	3 "
Blue, English,	1 "	Tomato, 1 ounce to 3000 plants,	3 oz.
Hungarian and Millet,	1 "	Tobacco, 1 ounce to 5000 plants,	2 "
Mixed Lawn,	3 to 5 "	Turnip, 1 ounce to 250 feet of drill,	3 lbs.
Orchard, Perennial Rye, Red Top, Fowl	1 1/2 "	Vetches,	2 bu.
Meadow, and Wood Meadow,	2 "	Wheat,	1 to 2 "
Timothy,	1 1/2 "		

Number of Plants or Trees to the acre at given distances.

Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.
1/2 foot,	174,240	4 feet by 2 feet,	5,444	10 feet,	435
1 "	43,560	4 " 3 "	3,629	11 "	360
1 1/2 feet,	19,360	4 " 4 "	2,722	12 "	302
2 "	10,890	5 " 5 "	1,742	15 "	195
2 1/2 "	6,969	6 feet,	1,210	18 "	134
3 feet by 1 foot,	14,520	7 "	889	20 "	108
3 " 2 feet,	7,260	8 "	680	25 "	69
3 " 3 "	4,840	9 "	573	30 "	49
4 " 1 foot,	10,888				

Weight of Various Articles.

Apples, Per bush.,	48 lbs.	Hemp Seed,	Per bush.,	40 lbs.	Wheat,	Per bush.,	60 lbs.
Dried,	22 "	Hungarian Grass Seed,	"	48 "	Beef and Pork, per bbl., net,	"	200 "
Barley,	48 "	Irish Potatoes, heap-	"	60 "	Flour, per bbl., net,	"	196 "
Beans,	60 "	ing measure,	"	60 "	White Fish and Trout, per bbl.	"	200 "
Buckwheat,	48 "	Millet,	"	38 "	net,	"	280 "
Broom Corn,	46 "	Malt,	"	32 "	Salt, per bbl.,	"	220 "
Blue Grass, Kentucky,	14 "	Oats,	"	32 "	Lime, per bbl.,	"	220 "
English,	24 "	Osage Orange,	"	32 "	Hay, well settled, per cubic foot,	"	4 1/2 "
Bran,	20 "	Orchard Grass,	"	14 "	Corn, on Cob, in bin,	"	22 "
Canary Seed,	60 "	Onions,	"	54 "	Shelled,	"	45 "
Castor Beans,	46 "	Peas,	"	60 "	Wheat,	"	48 "
Clover Seed,	60 "	Plastering Hair,	"	8 "	Oats,	"	25 1/2 "
Corn, Shelled,	56 "	Rape,	"	50 "	Potatoes,	"	38 1/2 "
on Ear,	70 "	Rye,	"	56 "	Sand, Dry,	"	95 "
Corn Meal,	50 "	Red Top Seed,	"	10 "	Clay, Compact,	"	135 "
Charcoal,	22 "	Salt, Coarse,	"	50 "	Marble,	"	169 "
Coal, Mineral,	80 "	Michigan,	"	56 "	Seasoned Beech Wood, per		5,616 "
Cranberries,	40 "	Sweet Potatoes,	"	56 "	cord,		6,960 "
Dried Peaches,	28 "	Timothy Seed,	"	45 "	Seasoned Hickory, per cord,		6,960 "
Flax Seed,	56 "	Turnips,	"	58 "			

GARDNER'S SELECTED

FARM SEEDS.

SPRING, SUMMER, AND AUTUMN

GRASSES.

A FEW SUGGESTIONS AS TO THE BEST VARIETIES. TABLES SHOWING THE KINDS AND QUANTITIES TO SOW FOR PERMANENT PASTURE AND MOWING. PERMANENT EVERGREEN LAWNS. GRASSES FOR THE SOUTH. MISCELLANEOUS SEEDS FOR THE FARM.

It is an old and a wise saying "that good pasture-land is the foundation of the riches of a farm," and good pasture-land cannot be obtained unless the proper varieties of seeds are used, and of the best quality. Farmers, as a rule, do not give this subject the attention it deserves, being contented with grass seeds of the most doubtful quality; samples full of weed seeds, and three-fourths chaff, being generally sold, thus filling up the soil with poor seed and disseminating some of the most pernicious weeds in existence. We have always set ourselves firmly in opposition to this system of trading in low-quality grass seeds, and we *guarantee* that all stocks sold by us are of the *very highest quality only*, thoroughly cleaned, true to name, and of high germinative power. Another evil, which we desire to say a word on, is the practice of sowing a stereotyped mixture of Red Top and Timothy for all soils and under all conditions, and of neglecting some half-dozen other varieties of grasses of first-rate importance, and each possessed of intrinsic value not to be obtained in the same ratio from any of the others. We would mention as especially valuable in this connection, **Meadow Foxtail, Orchard Grass, or Cocksfoot; Hard Fescue, Tall Fescue, and Meadow Fescue.** In laying down a pasture that is intended to be permanent, due consideration should be given to those varieties that mature at different seasons of the year, thus securing a sward, in good heart, from April to September.

The species which afford the principal grasses in Spring are:

Poa nemoralis, <i>Wood Meadow.</i>	Phleum pratense,	<i>Timothy.</i>
Alopecurus pratensis,	<i>Meadow Foxtail.</i>	Anthoxanthum odoratum,
		<i>Sweet Vernal.</i>
Dactylis glomerata,	<i>Orchard Grass.</i>	Lolium perenne,
Festuca pratensis,	<i>Meadow Fescue.</i>	<i>Perennial Rye Grass.</i>

The species which afford the principal grasses in Summer are:

Festuca pratensis,	<i>Meadow Fescue.</i>	Trifolium hybridum,
Phleum pratense,	<i>Timothy.</i>	<i>Alsike Clover.</i>
Lolium perenne,	<i>Rye Grass.</i>	Trifolium repens,
Agrostis vulgaris,	<i>Red Top.</i>	<i>White Clover.</i>
Poa pratensis,	<i>Blue Grass.</i>	Cynosurus cristatus,
Festuca elatior,	<i>Tall Fescue.</i>	<i>Crested Dogstail.</i>
Trifolium pratense,	<i>Red Clover.</i>	Daetylis gomerata,
		<i>Orchard Grass.</i>

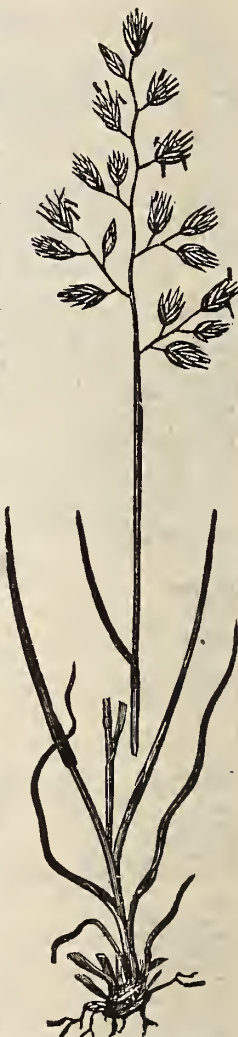
The species which afford the principal grasses in Autumn are:

Festuca elatior,	<i>Tall Fescue.</i>	Poa trivialis,
Avena flavescens,	<i>Yellow Oat Grass.</i>	<i>Rough Stalked Meadow.</i>
Cynosurus cristatus,	<i>Crested Dogstail.</i>	Poa pratensis,
		<i>Blue Grass.</i>
Festuca duriuscula,	<i>Hard Fescue.</i>	Trifolium pratense,
		<i>Red Clover.</i>
		Trifolium hybridum,
		<i>Alsike Clover.</i>
		Trifolium repens,
		<i>White Clover.</i>

In seeding down for hay only, a selection should be made on those kinds that mature evenly, and are at their greatest perfection at the same time. We furnish a series of tables as a guide in selecting, both for permanent pastures and for haying, to which we invite special attention, knowing from experience that these mixtures will give the most unqualified satisfaction.



ORCHARD GRASS (*Dactylis glomerata.*)



HARD FESCUE (*Festuca duriuscula.*)

DESCRIPTIVE LIST OF GRASSES.

In the following list we have endeavored to include all the really valuable grasses for agricultural purposes, which we are the better enabled to do, from having made a special study of this subject for the past ten years; by making comparative tests on our own farms, and taking the experience thus gained, in conjunction with that of the most famous workers in the same field, we are enabled to speak with confidence on the merits of the different subjects.

Prices subject to change with the market. Add 8 cents per pound, if wanted by mail.

TIMOTHY (*Phleum pratense*).—One of the most important of all the grasses, commonly called "Herd's-grass," and making what is known as "English hay." Thrives best upon rich, heavy soils, upon which it is quite permanent, and produces very heavy crops. When used alone, sow half a bushel of seed per acre; with other grasses, one-fourth to three-eighths of a bushel is enough. Blossoms in June or July. (45 pounds per bushel.) Price variable. About 10 cts. per lb., \$2.75 per bushel.

RED TOP (*Agrostis vulgaris*).—A very valuable, permanent grass; scarcely of less importance than Timothy; grows well upon almost any soil, but will pay well for high cultivation. Especially valuable for meadows, pastures, and lawns, where permanent grasses are desirable. One bushel per acre is usually sown, mixed with Timothy, for mowing-lands; for pastures or lawns, if used alone, from two to four bushels are used per acre, but it is customary to mix with one or more other sorts for such purposes. Blossoms in July. (10 pounds per bushel.) Price variable. About 10 cents per pound, 80 cents per bushel.

RHODE ISLAND BENT (*Agrostis canina*).—A fine and very permanent grass, chiefly used for pastures or lawns, for which it is one of the best. In most localities it does not produce heavy crops. It has been claimed that this species and *A. vulgaris* are identical; the species are distinct, however. Blossoms in June or July. (12 pounds per bushel.) 30 cents per pound, \$2.75 per bushel.

KENTUCKY BLUE (*Poa pratensis*).—Sometimes called "June grass." An early grass of much value; the famous pasture-grass of Kentucky, which makes that State so famous for its superior horses and cattle. It thrives best upon limestone soils, and in partially-shaded situations, but will do well upon any ordinary soil; stands the heat of summer remarkably well. For pastures and lawns it has no superior, giving that peculiar, rich shade of bluish-green so much admired in the best lawns; also making a very close, velvety turf. It is usually sown mixed with other fine grasses; when used alone, two to three bushels of seed are required per acre. Blossoms in June. (16 lbs. per bush.) Fancy, clean seed lic. per lb., \$1.75 per bush.

ORCHARD GRASS (*Dactylis glomerata*).—One of the very best grasses in cultivation, and rapidly coming into favor. If cut just as it is coming into bloom (as it always should be), a good second crop will follow, and sometimes even a third. It is recommended for sowing with Red Clover, as they come into flower at the same time. Orchard Grass is one of the earliest grasses, yields immense crops, and makes the best of hay; it endures considerable shade, and is much used for sowing in orchards. Two to three bushels of seed will sow an acre. (14 pounds per bushel.) 25 cents per pound, \$2.50 per bushel.

FOWL MEADOW (*Poa serotina*).—A valuable grass for wet meadows, where it will produce large crops of excellent hay after it has become well established. It thrives on such lands as are occasionally overflowed, but will not endure to remain under water for a long period, especially in hot weather. Blossoms in July or August. Sow two bushels per acre. (10 pounds per bushel.) 27 cents per pound, \$2.25 per bushel.

PACEY'S PERENNIAL RYE-GRASS (*Lolium perenne*).—A rapid-growing, early grass; much used for sowing with other grasses in meadows, pastures, and mowing-lands. As it starts early, it soon shades the ground, affording shelter to the more delicate sorts. Should be cut as soon as it is in blossom. Makes excellent hay. Sow two bushels per acre, if used alone. (24 pounds per bushel.) 12 cents per pound, \$2.50 per bushel.

ITALIAN RYE-GRASS (*Lolium italicum*).—One of the imported species, highly esteemed in England, where it is much used for soiling. It is valuable for mixing in with other grasses, where its earliness recommends it. (18 pounds per bushel.) 15 cents per pound, \$2.70 per bushel.

TALL OAT-GRASS (*Avena elatior*).—Also very valuable as a meadow and pasture grass; an early grass much relished by stock, and producing an abundance of foliage; recommended as one of the best pasture-grasses. Two or three pounds of seed for each acre should be added to the mixture of grass-seeds intended for permanent pasture. (12 pounds per bushel.) 35 cents per pound, \$3.50 per bushel.

YELLOW OAT-GRASS (*Avena flavescens*).—Succeeds best sown with other grasses; a valuable pasture-grass. This variety is so scarce and difficult to be got true that we consider it too expensive for general use. Price on application.

MEADOW FESCUE (*Festuca pratensis*).—Valuable for moist soils, particularly so for permanent grass-land or pastures; one of the principal grasses found in moist portions of old pastures and grass-fields. The seed ripens early and sheds readily; and, where this species becomes well established, it remains many years. It is much relished by livestock, and makes excellent hay. (20 pounds per bushel.) 40 cents per pound, \$7.00 per bushel.

TALL FESCUE (*Festuca elatior*).—Very similar to Meadow Fescue, and by some claimed as identical with that species; grows well in moist and shady places. (16 pounds per bushel.) 40 cents per pound, \$6.00 per bushel.

FINE-LEAVED FESCUE (*Festuca tenuifolia*).—This variety of Sheep's Fescue differs from the foregoing in being of a less tufted habit of growth, with long, slender leaves of a light-green color, and stems considerably shorter. It may be introduced with advantage on lawns and pleasure-grounds, but, like *Festuca ovina*, it is unsuitable for agricultural purposes, except in sheep pastures. 30 cents per pound, \$5.00 per bushel.

HARD FESCUE (*Festuca duriuscula*).—Not quite as common as the preceding species, but much like it in appearance and habit; grows rather coarser; valuable for dry soils. (16 pounds per bushel.) 35c. per pound, \$5.00 per bushel.

MEADOW FOXTAIL (*Alopecurus pratensis*).—One of the earliest and best grasses for permanent pasture, producing a large quantity of root leaves, which grow rapidly when eaten down. It thrives well on moist, good, and medium soils. (5 pounds per bushel.) 60 cents per pound, \$2.75 per bushel.

ROUGH-STALKED MEADOW (*Poa trivialis*).—Nearly all of the species in the genus *Poa* are valuable grasses; several of them are of such a succulent nature, however, that they will not withstand much drought; these species we do not recommend, and have avoided them in compiling this list. *Poa trivialis* is one of the best of our meadow grasses. It should be used only upon moist soils, and well shaded with other grasses. In such situations it yields good crops. As hay, it shrinks nearly three-quarters of its weight when cut. (20 lbs. per bush.) 50c. per lb., \$9 per bush.



TIMOTHY (*Phleum pratense*.)



HARD FESCUE (*Festuca duriuscula*.)

DESCRIPTIVE LIST OF GRASSES.—CONTINUED.

WOOD MEADOW (*Poa nemoralis*).—A more dwarf and finer-growing species than the preceding; useful for moist and shady portions of lawns and pastures; generally used in mixture with other grasses. (18 lbs. bush.) lb. 50c., bush. \$3.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*).—An extremely hardy grass, sometimes used in mixtures for sowing pasture-lands, and also valuable for making lawn-grass mixtures. When mature, the stems are rather too hard and wiry to be relished by cattle. It is more especially adapted to use in sheep-pastures. From this grass is obtained the Leghorn straw of commerce. (30 pounds per bushel). 40 cents per pound, \$10 per bushel.

SWEET VERNAL (*Anthoxanthum odoratum*).—This species is indispensable in lawn grass-seed. It is one of the first grasses to appear in spring, and remains green later in the autumn than almost any other. It is also remarkable as being almost the only species that possesses fragrance. When cut and drying, the air is filled with its delightful aromatic odor, which is also imparted to the other grasses cured with it. No lawn should be seeded without a liberal portion of this grass-seed. It is also valuable in pastures on account of its extreme earliness. *Anthoxanthum puelii*, a very similar, but very inferior sort, is often sold for the true Sweet Vernal. The true variety cannot be sold for less money than we ask for it. (6 pounds per bushel.) 75 cents per pound, \$4.50 per bushel.

MILLETS.

Prices subject to vary with the market. Add eight cents per pound if wanted by mail.

COMMON MILLET (*Panicum Millitaceum*).—Requires a dry, light, rich soil, and grows two and a half to four feet high, with a fine oulk of stalks and leaves, and is excellent for forage. For hay, sow broadcast, one-half bushel per acre, from May 1st to August 1st. For grain, sow in drills, one peck to the acre, and not later than June 20th. 5 cents per pound, \$1.50 per bushel.

GERMAN, OR GOLDEN MILLET (*Panicum Millitaceum var.*)—An improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. The seeds are contained in rough, bristly sheaths, and are round, golden yellow, and beautiful in appearance. Seed of the German, or Golden Millet grown in southern latitudes will produce a much larger yield of hay than from seed grown in northern or western sections of the country. We have a good stock of southern-grown seed, and confidently recommend it. 5 cents per pound, \$2.00 per bushel.

HUNGARIAN GRASS (*Panicum Germanicum*).—This is a species of millet, growing less rank, with smaller stalks, often yielding two three tons of hay per acre. It is very popular and valuable with those who are clearing timber lands. Like the common millet, it is an annual, and requires to be sown every season, but will produce a larger return than almost any other crop. 5 cents per pound, \$1.50 per bushel.

CLOVERS.

Prices subject to vary with the market. Add eight cents per pound if wanted by mail.

There are no plants so valuable for fertilizers as the Clovers. They have the faculty of absorbing nitrogen from the air, and also of rendering available much of the inert plant food of the soil. Their long, powerful tap-roots penetrate to a great depth, loosen the soil, admit air, and by their decay add immensely to the fertility of the soil.

MEDIUM RED (*Trifolium pratense*).—This is the common Red Clover in general cultivation, and too well known to need a general description. It is by far the most important of all the varieties for the practical purposes of agriculture. When sown alone, produces hay of splendid quality, and when sown with Timothy or other grasses, forms a desirable pasture. 9 cents to 12 cents per pound.

MAMMOTH, or PEA VINE (*Trifolium pratense*).—Grows five or six feet high; its stalks are so coarse and large that stock will eat only the leaves, but by its judicious use, lands which have been exhausted can be reclaimed, as it will grow where the common clover will fail. 15 cents per pound.

ALSIKE or SWEDISH (*Trifolium hybridum*).—This is the most hardy of clovers, and is fast gaining popularity. It resists cold, and extreme drought, and wet, and on rich, moist soils yields an enormous amount of hay or pasture of a nutritive quality. Can be cut several times in a season. It is well suited to low lands liable to wash, as its long fibrous roots spread over a large area, and hold the soil so as to resist the heaviest rains. The heads are globular, very sweet and fragrant, and much liked by bees, who obtain a large amount of honey from them. 25 cents per pound.

LUCERNE or ALFALFA (*Medicago sativa*).—Where this variety succeeds well, it is probably one of the most valuable of all clovers. It is not, however, particularly adapted to the Eastern or Northern States, but flourishes in all Western and Southern. It requires a fine, mellow soil to get it firmly established, but when once thoroughly fixed, will produce a profitable crop for a number of years. It yields an enormous amount of green fodder, and should be cut when commencing to blossom. Although a prodigious yielder, it does not exhaust the soil, but on the contrary, rather improves it. In States to which it is adapted, four or five crops can be obtained in one season. 30 cents per pound.



PERENNIAL RYE-GRASS (*Lolium perenne*).



ITALIAN RYE-GRASS (*Lolium italicum*).

WHITE CLOVER (*Trifolium repens*).—The value of this clover to the farmer is well known, and it is to be found in nearly every natural pasture. It is adapted to all soils. Being a deep-rooted plant, it withstands drought on dry, sandy sections. It should form a part of all mixtures for permanent pastures, and is also valuable for alternate husbandry, when these crops are sown down for more than one year. 30 cents per pound.

Gardiner's "Special" Mixtures of Grasses and Clovers for Permanent Pastures.

Table showing the proper quantities to sow on an acre of light, medium, or heavy soil.

VARIETY.	No. 1.	No. 2.	No. 3.	No. 4.	
	Light Soils.	Medium Soils.	Heavy Soils.	Orchards and Shady Places.	
	POUNDS.	POUNDS.	POUNDS.	POUNDS.	
1. Timothy (<i>Phleum pratense</i>),	2	3	4	3	
2. Red Top (<i>Agrostis vulgaris</i>),	4	4	6	3	
3. Orchard Grass (<i>Dactylus glomerata</i>),	8	6	5	6	
4. Meadow Fescue (<i>Festuca pratensis</i>),	—	1	1½	2	
5. Hard Fescue (<i>Festuca duriuscula</i>),	2	2	2	—	
6. Tall Fescue (<i>Festuca elatior</i>),	2	2	4	1	
7. Blue Grass (<i>Poa pratensis</i>),	4	4	2	5	
8. Rough-Stalked Meadow (<i>Poa trivialis</i>),	—	2	4	6	
9. Meadow Foxtail (<i>Alopecurus pratensis</i>),	1	2	2	2	
10. Perennial Rye Grass (<i>Lolium perenne</i>),	2	3	3	—	
11. White Clover (<i>Trifolium repens</i>),	4	4	4	5	
12. Perennial Red Clover (<i>Trifolium pratense perenne</i>),	2	3	4	3	
13. Crested Dogtail (<i>Cynosurus cristatus</i>),	2	1	1	4	
14. Wood Meadow (<i>Poa nemoralis</i>),	1	1	—	—	
15. Tall Oat Grass (<i>Avena elatior</i>),	2	1	—	—	
16. Sweet Vernal (<i>Anthoxanthum odoratum</i>),	2	1	—	—	
17. Alsike Clover (<i>Trifolium hybridum</i>),	1	1	½	—	
Total per acre,	39 LBS.	41 LBS.	43 LBS.	40 LBS.	
In lots of 1 acre to 5 acres,	Price, per acre,	\$8 75	\$9 25	\$9 75	\$10 00
“ “ 5 “ 10 “	“ “	7 90	8 35	8 80	9 00
“ “ 10 “ 20 “	“ “	7 50	7 95	8 35	8 55
“ “ 20 acres, and over,	“ “	7 15	7 55	7 95	8 15

Note.—Any fraction of an acre supplied at the above rates.

Gardiner's "Popular" Mixtures for Permanent Pastures.

In case there may be some who wish a less expensive mixture than the foregoing, we have made up a table reducing the quantities of a few of the more expensive sorts where these are not of paramount importance, and increasing the quantities of the cheaper kinds, so as to bring the price down to a moderate figure, and still retain a mixture of very superior excellence.

Table showing the proper quantities to sow on an acre of light, medium, or heavy soils.

VARIETY.	No. 14.	No. 15.	No. 16.	No. 17.	
	Light Soils.	Medium Soils.	Heavy Soils.	Orchards and Shady Places.	
	POUNDS.	POUNDS.	POUNDS.	POUNDS.	
1. Timothy (<i>Phleum pratense</i>),	5	6	8	3	
2. Red Top (<i>Agrostis vulgaris</i>),	5	5	6	3	
3. Orchard Grass (<i>Dactylis glomerata</i>),	8	6	5	10	
4. Meadow Fescue (<i>Festuca pratensis</i>),	—	1	1	2	
5. Hard Fescue (<i>Festuca duriuscula</i>),	3	1	—	—	
6. Tall Fescue (<i>Festuca elatior</i>),	2	2	3	1	
7. Blue Grass (<i>Poa pratensis</i>),	5	6	4	7	
8. Rough Stalked Meadow (<i>Poa trivialis</i>),	—	2	3	4	
9. Meadow Foxtail (<i>Alopecurus pratensis</i>),	1	1	1	2	
10. Perennial Rye Grass (<i>Lolium perenne</i>),	3	3	3	—	
11. White Clover (<i>Trifolium repens</i>),	1	1	1	1	
12. Perennial Red Clover (<i>Trifolium pratense perenne</i>),	6	7	7	7	
Total per acre,	39 LBS.	41 LBS.	43 LBS.	40 LBS.	
In lots of 1 acre to 5 acres,	Price, per acre,	\$6 15	\$6 70	\$7 35	\$7 95
“ “ 5 “ 10 “	“ “	5 55	6 15	6 60	7 15
“ “ 10 “ 20 “	“ “	5 25	5 85	6 30	6 80
“ “ 20 acres, and over,	“ “	5 00	5 50	6 00	6 45

Note.—Any fraction of an acre will be supplied at the above rates.

Gardiner's "Special" Mixtures for Mowing and Grazing Lands.

In the following table, Nos. 8 to 13 are largely permanent in character, and will make an excellent pasture for a much longer time than is stated in the table.

VARIETY.	1 TO 2 YEARS' MOWING			2 TO 3 YEARS' MOWING OR GRAZING.			4 YEARS' MOWING OR GRAZING.			
	No. 5.	No. 6.	No. 7.	No. 8.	No. 9.	No. 10.	No. 11.	No. 12.	No. 13.	
	Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.	
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	
1. Italian Rye Grass,	3	3	3	4	4	4	6	6	6	
2. Perennial Rye Grass,	3	3	4	3	3	3	3	3	3	
3. Orchard Grass,	7	6	6	9	8	8	9	8	8	
4. Timothy,	9	11	11	7	9	9	3	4	4	
5. Red Clover,	7	8	8	3	4	4	1	2	2	
6. White Clover,	2½	2	2	5	4	4	5	4	4	
7. Meadow Fescue,	1½	2	2	2	3	3	3	4	4	
8. Meadow Foxtail,	—	—	—	1	2	2	2	3	3	
9. Red Top,	2	2	3	2	2	3	3	3	4	
10. Rough Stalked Meadow,	—	—	—	—	2	3	—	3	4	
11. Perennial Red Clover,	—	—	—	1	2	2	3	4	4	
Total per acre,	35 LBS.	37 LBS.	39 LBS.	37 LBS.	43 LBS.	45 LBS.	38 LBS.	44 LBS.	46 LBS.	
In lots of 1 acre to 5 acres,	Price, per acre,	\$4 75	\$4 85	\$5 00	\$6 15	\$7 90	\$8 40	\$7 20	\$8 75	\$9 85
“ “ 5 “ 10 “	“ “	4 28	4 37	4 50	5 54	6 71	7 56	6 48	7 88	8 87
“ “ 10 “ 20 “	“ “	4 07	4 16	4 27	5 27	6 76	7 19	6 15	7 48	8 44
“ “ 20 acres, and over,	“ “	3 87	3 95	4 06	5 00	6 42	6 88	5 84	7 11	8 02

Note.—Any fraction of an acre will be supplied at the above rates. For fall sowing the Clover will be packed separately, so that it can be sown in spring if desired.

Gardiner's "Popular" Mixtures for Mowing and Grazing Lands.

Made up specially for those who wish a less expensive mixture than the foregoing. Some of the more expensive sorts are slightly reduced, so as to bring the mixture down to a moderate figure, and still retain a combination of very superior excellence.

VARIETY.	1 TO 2 YEARS' MOWING			2 TO 3 YEARS' MOWING AND GRAZING.			4 YEARS' MOWING AND GRAZING.		
	No. 18.	No. 19.	No. 20.	No. 21.	No. 22.	No. 23.	No. 24.	No. 25.	No. 26.
	Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.
1. Italian Rye Grass,	4	4	4	4	4	4	3	3	3
2. Perennial Rye Grass,	2	2	3	3	3	4	6	6	7
3. Orchard Grass,	8	7	7	9	8	8	8	7	7
4. Timothy,	9	11	11	7	9	9	3	2	2
5. Red Clover,	7	8	8	3	4	4	1	2	2
6. White Clover,	1	1	1	2	1 1/2	1 1/2	2	3	3
7. Meadow Fescue,	—	—	—	1	1 1/2	1 1/2	2	3	3
8. Meadow Foxtail,	—	—	—	1 1/2	1	1	1	2	2
9. Red Top,	4	4	5	3	3	4	3	3	4
10. Rough Stalked Meadow,	—	—	—	1 1/2	1	1 1/2	2	2 1/2	3
11. Perennial Red Clover,	—	—	—	1/2	5	5 1/2	6	7 1/2	8
Total per acre,	35 LBS.	37 LBS.	39 LBS.	37 LBS.	41 LBS.	44 LBS.	37 LBS.	41 LBS.	44 LBS.
In lots of 1 acre to 5 acres,	\$4 25	\$4 30	\$4 50	\$5 40	\$6 10	\$6 55	\$6 40	\$7 75	\$8 20
“ “ 5 “ 10 “	3 81	3 87	4 04	4 96	5 49	5 91	5 75	6 98	7 39
“ “ 10 “ 20 “	3 61	3 68	3 84	4 71	5 22	5 61	5 47	6 63	7 02
“ “ 20 acres, and over,	3 44	3 50	3 65	4 47	4 96	5 34	5 20	6 30	6 67

Note.—Any fraction of an acre will be supplied at the above rates. For fall sowing the Clover will be packed separately, so that it can be sown in spring if desired.

Gardiner's "Special" Mixtures for Permanent Evergreen Lawns.

Everybody wants to have a nice lawn round their residence, whether it be a few rods or hundreds of acres in extent. To produce a fine lawn from seed, those varieties of grasses that are evergreen in their nature should be used, and all those that have a rank habit like Timothy, or a tufty growth like Orchard Grass, should be avoided. A tolerable sward can be made by simply sowing Red Top or Blue Grass, and where price is an object, or where large spaces are to be covered that are not particularly prominent, these may be used with perhaps the addition of a

pound of White Clover to every bushel, but to make a really beautiful velvety lawn, the addition of the fine-leaved, deep-green sorts, such as Sweet Vernal, Fine-leaved Fescue, etc., is imperatively necessary, and in a croquet or tennis ground, where there is a great deal of trampling, the hardy and persistent Crested Dogstail and Hard Fescue are indispensable.

In the following mixtures we have endeavored to prepare a combination that will suit all these different purposes.



HOW TO PREPARE AND KEEP A LAWN.

It is a great mistake to suppose that grass will grow so as to make a beautiful lawn on unprepared soil. The fact is, as much care must be exercised in the preparation of the soil for the lawn as for vegetables or any other garden crop. First see that the ground is well prepared by deep digging and trenching, for it is vain to expect a lawn to retain its greenness in the scorching days of July and August, unless the ground is thoroughly pulverized, so that the roots of the grass can penetrate at least two feet deep. Wherever necessary, the ground should be drained, thoroughly manured, plowed and harrowed, and all stones or roots removed. After the soil has been thus prepared, it should be made perfectly level—for if this is not done before the seed is sown, it cannot be done after the sward is formed without great expense and inconvenience—and left to settle a week

or ten days, then it should be raked smooth, after which it is ready for the seed.

The use of stable manure as a fertilizer should be avoided, as it always contains noxious weeds; and we especially recommend the use of **Gardiner's Lawn Dressing**, which will give the grass nourishment throughout the entire season, producing a rich, luxuriant growth of a rich, deep-green color. The lawn, after being properly prepared, should be neatly kept by rolling with a light garden roller. Frequent cutting of the grass after it attains a certain height produces a soft, velvety growth which cannot otherwise be obtained. For this purpose we know of nothing that will so efficaciously do the work as the Philadelphia Lawn Mower.

One quart will sow 300 sq. ft., 1 peck will sow 2400 sq. ft., 1 bushel will sow 10,000 sq. ft., 3 1/2 bushels will sow one acre.

No. 27.—GARDINER'S "SPECIAL" EVERGREEN LAWN GRASS MIXTURE.

This is the very finest mixture that can be made, and should always be used where a very fine lawn is wanted. It is good for croquet greens, tennis grounds, etc., and is recommended, above all others, for those of lawns of limited extent. Table showing the quantity required for one acre of lawn.

WEIGHT PER BUSHEL.	PRICE PER POUND.	VARIETY.	QUANTITY.	PRICE.
POUNDS.	CENTS.		POUNDS.	
14	11	Blue Grass (<i>Poa pratensis</i>),	10	\$1 10
12	23	Rhode Island Bent (<i>Agrostis canina</i>),	10	2 30
20	25	Fine Leaved Fescue (<i>Festuca tenuifolia</i>),	6	1 50
16	31 1/4	Hard Fescue (<i>Festuca duriuscula</i>),	5	1 56
30	33 1/4	Crested Dogstall (<i>Cynosurus cristatus</i>),	4	1 33
6	75	Sweet Vernal (<i>Anthoxanthum odoratum</i>),	2	1 50
20	45	Rough Stalked Meadow (<i>Poa trivialis</i>),	3	1 35
60	25	White Clover (<i>Trifolium repens</i>),	4	1 00
24	10 1/2	Pacey's Perennial Rye Grass (<i>Lolium perenne</i>),	5	63
Total for one acre—3 1/2 bushels of 14 pounds,			49 LBS.	\$12 27

Price, in lots of 1 acre and under, \$3.50 per bush., \$1.00 per pk., 20 cts. per qt. | Price, in lots of 5 to 10 acres, \$3.18 per bushel.
 " " " 1 to 5 acres, 3.33 " | " " " 10 to 20 " 3.03 "

Note.—This mixture we guarantee to be as fine as any advertised at fancy prices.

No. 28.—GARDINER'S "POPULAR" EVERGREEN LAWN GRASS MIXTURE.

This mixture is designed specially for those with large estates, and for public parks and cemeteries, where a good lawn is wanted at a moderate figure. Some of the more expensive sorts are reduced or left out, in order to bring the price down to a very low limit.

WEIGHT PER BUSHEL.	PRICE PER POUND.	VARIETY.	QUANTITY.	PRICE.
POUNDS.	CENTS.		POUNDS.	
14	11	Blue Grass (<i>Poa pratensis</i>),	16	\$1 76
12	23	Rhode Island Bent (<i>Agrostis canina</i>),	14	3 22
20	25	Fine Leaved Fescue (<i>Festuca tenuifolia</i>),	6	1 50
24	10 1/2	Perennial Rye Grass (<i>Lolium perenne</i>),	8	84
6	75	Sweet Vernal (<i>Anthoxanthum odoratum</i>),	2	1 50
60	25	White Clover (<i>Trifolium repens</i>),	3	75
Total per acre—3 1/2 bushels of 14 pounds,			49 LBS.	\$9 57

Price, in lots of 1 acre and under, \$2.75 per bush., 75 cts. per pk., 20 cts. per qt. | Price, in lots of 5 to 10 acres, \$2.47 per bushel.
 " " " 1 to 5 acres, 2.61 " | " " " 10 to 20 acres, 2.34 "

GRASSES FOR THE SOUTH.

The slave system of the South created a process of agriculture totally different from what farmers in the Northern or Western States usually follow, and Southern farmers are only now awakening from the lethargy consequent on the destruction of slavery, and adopting new and improved methods of cultivation. In fact, in the Cotton Belt the planters looked upon grass as their greatest enemy, paying out millions of dollars for hay, which they might have profitably raised themselves; and for this reason some of the finest farming land in the world has been allowed to lie waste since the war, which might be made as profitable as the most valuable in the Northern States. A great drawback to the improvement of these lands heretofore has been the lack of suitable grasses for the southern climate, the varieties used by Northern farmers being, to a great extent, unreliable. These Northern grasses grow well for a year or two, but gradually die out under the adverse influence of climate. The recent introduction, however, of several new grasses and forage plants, through the instrumentality of the Department of Agriculture and others, has given an impetus to farming in the Gulf States that is destined ere long to revolutionize the old order of things. This is especially true of Johnson Grass and Bermuda Grass, the former having been found a most valuable variety for hay and the latter for pasture. With these two a farmer can raise all the hay and have all the pasture he wants for his own use or for marketing. A reliable authority states that Johnson Grass will pay \$80.00 per acre against Timothy at \$30.00 per acre, or cotton at \$5.00 per acre. Texas Blue Grass has also been found to be very valuable for winter pasture, and if grown in conjunction with Bermuda Grass, will furnish pasture all the year round, as it commences to shoot up after the fall rains, just when the Bermuda Grass ceases its growth. Japan Clover, Bokhara Clover, and Alfalfa have also proved to be of great value, succeeding in the Gulf States as well, if not better, than in the West. Much yet remains to be done in the way of experiment with new plants, but sufficient has been ascertained to encourage us to renewed effort, and for the present we are truly thankful to the pioneers for what has already been attained. There can be no doubt, that as a stock-raising country, the Gulf States have no superior. They are not only rich in farming land, but the mineral wealth is almost incalculable; manufactories are everywhere springing up, and as population and commerce increase, the home market, which the farmer will have to furnish, will be immense, and will give a generous return for his labor. We confidently look during the next ten years to see this vast domain restored to its former great prosperity, and, we believe, that the future will reveal a brighter reality than the wildest enthusiast dreams of at the present moment.

BERMUDA GRASS (*Cynodon dactylon*).—There is probably no grass so valuable as this for summer pasture in the Southern States. It is unsurpassed for nutritious quality, and the yield per acre is very large—two and a half to four tons. It is very easily cultivated, stands the drought well, and gives splendid green pasture for eight months in the year. A well-known Southern writer says: "Bermuda Grass is the best ever grown south of latitude 34, and will feed more stock in Louisiana, Alabama, Georgia, Florida and Texas, than the best grass grown will on the finest land in New York State." It will grow during the hottest

weather, and, at the same time, succeeds admirably on low, wet land. For lawns it is unsurpassed, bearing the mower well, and growing as close and green as velvet. For railroad embankments, levees and gullies liable to washing out, it is one of the most valuable mediums for binding. It is a very shy seeder, and the best way to propagate is by sets, which may be set in shallow drills and plowed under or sown broadcast and rolled, at the rate of one barrel to the acre.

Sets by mail, post-paid, 75 cents per pound; by express or freight, \$4.00 per bushel, \$3.00 per barrel.

GRASSES FOR THE SOUTH.—CONTINUED.

MELILOTUS or BOKHARA CLOVER (*Honey Plant Melilotus alba*).—Grows vigorously on the poorest soil and possesses valuable properties as a fertilizer. Extensively grown in the South both for grazing and for hay, but its chief value is for soiling, for which purpose it may be cut two or three times during the season. The plant is biennial in du-

ration, growing about two feet high the first year and attaining its full growth of about four feet the second. Sown in the South generally in the fall, but can be sown either fall or spring. Fifteen pounds to the acre. By mail, post-paid, 50c. per pound; by exp. or freight, per lb., 35c.; fifteen lbs. for \$3.75, fifty lbs. for \$11.00, one hundred lbs. for \$20.00.

JOHNSON GRASS (*Sorghum halapense*).—This grass is becoming more popular every year, not only with farmers South and West, but also as far north as New Jersey. In Texas and other cattle-producing States farmers are planting largely increased areas of Johnson Grass every

year, which is sufficient evidence of the value they place on it. It has broad, rich green foliage, and belonging to the Sorghum family it is very rich in saccharine matter and makes most excellent hay for all kinds of stock. It withstands long-continued drought better than any other grass, and its cropping qualities are superior even to Timothy, yielding from one to three tons more per acre. Should be cut when in bloom, as it is much more tender and nutritious than if left standing too long. Will grow ten feet high, but should never be allowed to grow more than two or three feet before cutting. In the South, below latitude 36, sowing should be done in August, September and October, above this latitude, sow in the spring. Our seed is hand-stripped and strictly pure. By mail, post-paid, 35 cents per pound; by freight or express, half bushel, \$1.65; bushel, \$3.00; four bushels @ \$2.75 per bushel.



JOHNSON GRASS
(*Sorghum halapense*)

per pound. Sets by express \$3.00 per 1000. Sets by mail, 50 cents per 100.

JAPAN CLOVER (*Lespedeza striata*).—This valuable clover is not a new discovery, but has heretofore been so scarce that seeds of it in commerce were rarely to be met with. It is more nutritious than red clover, and makes splendid hay. All kinds of stock relish it to a remarkable extent, and if it were not for the scarcity of the seed this variety would be very largely grown. Grows well on almost any soil and we believe it is destined to be the staple forage plant for pasturing in the South. We cannot recommend it too highly. We have a limited quantity of seed on hand, and as long as stocks hold out, will sell at the following prices:—By mail, post-paid, 40 cents per pound; by express or freight, ten pounds for \$3.00, sufficient for one acre; fifty pounds for \$12.50

CALIFORNIA BUR CLOVER (*Medicago denticulata*).—Valuable for winter pasture in the South. All stock eat it

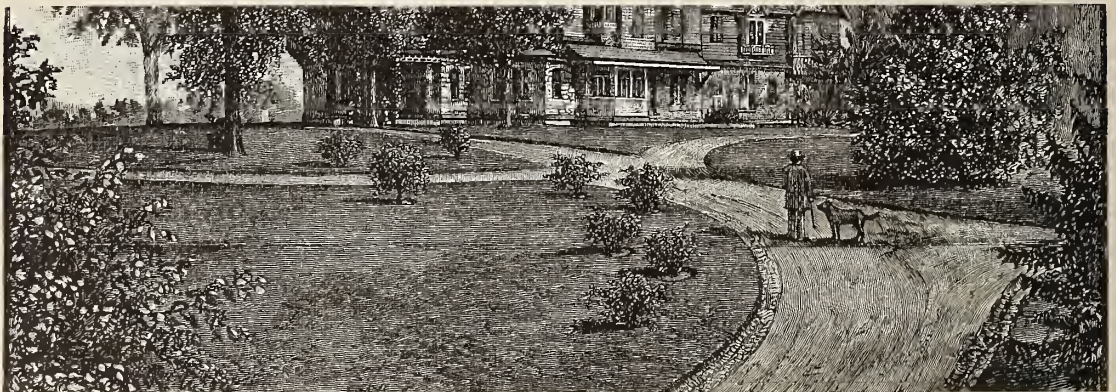
freely when they have acquired a taste for it, and the burs left on the ground provide food for hogs and sheep. Succeeds much better than red clover on the eocene formation, and is besides much superior as a winter plant. It is of annual duration, but re-seeds itself. Sow in the fall at the rate of ten pounds to the acre. By mail, post-paid, 40c. per pound; by express or freight, ten pounds for \$3.00; fifty pounds for \$12.50.

LOUISIANA GRASS (*Paspalum dilatatum*).—A valuable pasture grass, furnishing excellent green feed at all seasons of the year, except in the very coldest weather. Grows from two to five feet high, and succeeds well on dry soil. Has very long roots, and resists drought remarkably. Will bear trampling better than Johnson Grass. Propagated by seeds and sets. Price of sets 75 cents per 100, \$6.00 per 1000. Seed 75 cents per pint.



TEXAS BLUE GRASS
(*Poa arachnifera*)

A BEAUTIFUL LAWN FOR THE SOUTH.



To have a beautiful lawn for the South, it is necessary to use only those varieties that have proven themselves adapted to high temperatures and long-continued droughts and which mature at such seasons as will give a rich, green grass all the year round. Great dissatisfaction has been expressed with the mixtures usually put up by seedsmen for the Southern States, owing to the unpermanent character of Northern grasses under the adverse influence of the Southern climate and the ignorance of the proper varieties suitable for such latitudes. We have given this matter much thought, and it is our unqualified opinion that Bermuda Grass and Texas Blue Grass meet all the requirements for a perfect lawn all the year round. The Bermuda Grass makes a close, beautiful turf all summer, and as soon as it ceases to grow the Texas Blue Grass commences and keeps green all winter. A lawn formed with these two grasses will make a close, compact sward of a beautiful, rich, dark-green, continuing so during the hottest and

dryest summers. It will bear the mower well, and keep as smooth as velvet and green as an emerald. No one need go without a nice lawn round their residence, as these two valuable varieties will give as good results as the most expensive mixture of grass seeds will in the Northern States. As they seed very sparingly, it will be found most expedient to propagate them by sets. These sets root at every joint, and may either be strewn in shallow drills and plowed under, or they may be spread thinly broadcast and rolled in. It requires about one barrel of sets to plant an acre. Planting may be done at any time in the fall, up till February for the Texas Blue Grass, and for the Bermuda Grass, any time except during the hottest and dryest part of summer.

Bermuda Grass Sets.—By mail, post-paid, 75 cents per pound; by freight or express, \$4.00 per bushel, \$8.00 per bbl.

Texas Blue Grass Sets.—By mail, post-paid, 50 cents per hundred; by freight or express, \$3.00 per thousand.

FIELD CORN

SELF-HUSKING.—The husks of this sort open naturally half way down the ear. Packet 10 cents, pint 20 cents, quart 40 cents. By express, \$4.00 per bushel, \$1.25 per peck.

LEAMING.—Small cob, deep grains; reliable, productive. Pkt. 10 cents, pint 20 cents, quart 30 cents. By express, \$1.50 per bushel, 50 cents per peck.

PRIDE OF THE NORTH.—The earliest dent corn for the North. Packet 10 cents, pint 20 cents, quart 35 cents. By express, bushel \$2.25, peck 75 cents.

CHESTER CO. MAMMOTIL.—The best dent corn for the South and West. Packet 10 cents, pint 20 cents, quart 35 cents. By express, bush. \$2.25, peck 75 cts.

BLUNT'S PROLIFIC.—A white flint; very prolific. Packet 10 cts., pint 20 cts., quart 35 cts. By express, peck 75 cts., bush. \$2.25.

LONG FELLOW.—Long yellow flint, large kernel, small cob; excellent for main crop; early, very prolific. Pkt. 10 cts., pint 20 cts., quart 35 cts. By express, peck 75 cts., bush. \$2.25.

EARLY CANADA. Very early, eight to wed, handsome, well-filled ears; immense cropper; fine for high latitudes. Packet 10 cts., pint 20 cts., quart 35 cts. By express, peck 75 cts., bush. \$2.25.

SWEET FODDER.—The second selection Stowell's Evergreen; specially saved for fodder. Packet 10 cts., pint 20 cts., quart 35 cts. By express, peck 75 cts., bushel \$2.50.

GOLDEN DENT.—Grains very deep; cob bright red, extremely small, and well filled. Early, prolific, easy to shell; does not harden too much; nutritious and easily digested; very popular, and highly recommended. By mail, packet 10 cents, quart 35 cents, bush. \$2.25.

BLUNT'S PROLIFIC CORN.

BARLEY. (48 pounds to bushel)—

Champion Two-Rowed Vermont. Early and prolific. Quart 30 cents, bushel \$1.50.

BUCKWHEAT. (48 pounds to bushel)—

American Silver Hull. Earlier and more productive than the common. Quart 35 cents, bushel \$1.50.

OATS. (32 pounds to bushel)—

Welcome.—Heavy grain and very productive. Quart 30 cents, bushel \$1.00. **White Russian.**—A standard, early productive sort. Quart 25 cents, bushel \$1.00. **Clydesdale.**—Very early and remarkably heavy. Quart 30 cents, bushel \$1.50.

RYE. (56 pounds to bushel)—

Spring.—Quart 30 cts., bushel \$1.75. **Winter Excelsior.**—Quart 30c., bushel \$1.50.

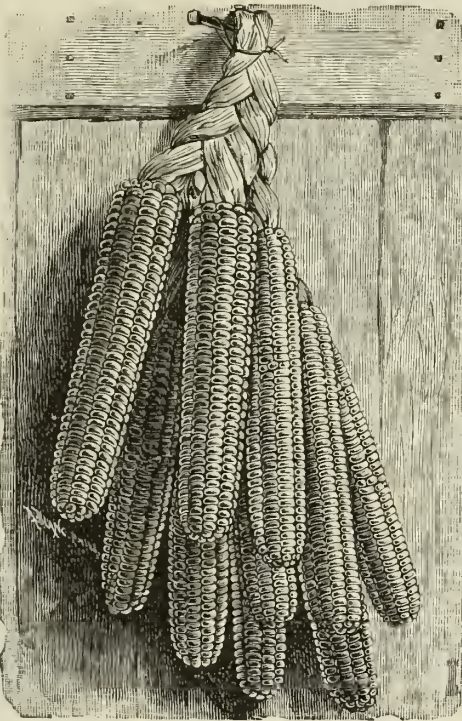
WHEAT. (60 pounds to bushel)—

Mediterranean (Bearded).—Winter. Quart 30 cts., bushel \$1.50.

Armstrong or Landreth (Beardless).—Winter. Quart 30 cts., bush. \$2.00. **White York Spring.**—Spring. Quart 30 cts., bush. \$2.00. **White Russian (Beardless).**—Spring. Quart 35 cts., bush. \$2.50. **Saskatchewan (Beardless).**—Spring. Qrt. 35 cts., bush. \$2.50. **Scotch Fife (Beardless).**—Spring. Qrt. 35c., bush. \$2.50.

KAFFIR CORN.

A non-saccharine Sorghum, distinctly different in habit of growth and other characteristics from all others of that class. The plant is low, growing only six feet high in rich soil, stocky, perfectly erect; the foliage is wide, alternating closely on either side the stalks. It does not stool from the root, but branches from the top joints, producing from two to four heads of grain from each stalk. The heads are long, narrow, and perfectly erect, well filled with white grain. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages of its growth is available for green feed, cattle, mules and horses being equally fond of it. If cut down to the ground two or more shoots spring from the root, and the growth is thus maintained until checked by frost. It has the quality common to all the Sorghums of resisting drought. If the growth is checked by want of moisture, the plant waits for rain and then at once resumes its processes. Pkt. 10 cts., pound 30 cts. 100 pounds, \$15.



EARLY CANADA CORN.

PEAS.
CANADA FIELD. Valuable for north-corn climates for cattle feeding. Quart 30 cents, bushel \$1.50.

TEOSINTE (Reana luxurians).

A valuable fodder plant from Central America, resembling in growth Indian Corn. Well adapted for all of our Southern States. Ounce 15 cents, pound \$1.50, 100 pounds, \$100.

SORGHUM.

YELLOW BRANCHING SORGHUM.—Is tall, nine to twelve feet, stooling from the ground like the Rural Branching or Millo Maize, but not so much. It sends out shoots three-fourths of a pound, sometimes a full pound after being fully ripe. These heads are set close and solid, with a large plump grain, double the size of White Millo, and of deep golden-yellow color. It possesses all the vigor and vitality of other Sorghums. It is non-saccharine; useful only for the large amount of forage, green feed or cured fodder that it furnishes, and for its grain, which is fine in appearance, abundant, easily handled, and well eaten by mules, horses, cows and hogs. This sort is earlier than the Rural Branching variety. Pound 35 cents, 100 pounds \$15.

RURAL BRANCHING SORGHUM (Millo Maize).—This non-saccharine Sorghum was introduced a few years since. Its great merit is, that when cut for feeding it starts again from the remaining stumps with renewed strength and vigor; thrives in the hottest and driest localities. This is one of the most valuable of all forage plants in the hottest and driest localities. This is one of the most valuable of all forage plants in the hottest and driest localities. This is one of the most valuable of all forage plants in the hottest and driest localities. Pound 35 cts., 100 lbs. \$15.

GRAINS.

At quart prices we prepay postage; bushels by freight or express at expense of purchaser.

Champion Two-Rowed Vermont. Early and prolific. Quart 30 cents, bushel \$1.50.

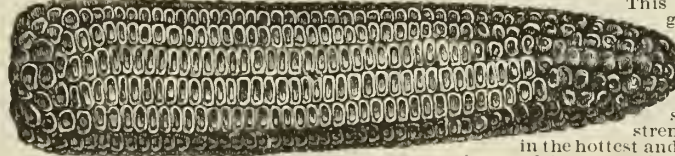
American Silver Hull. Earlier and more productive than the common. Quart 35 cents, bushel \$1.50.

Welcome.—Heavy grain and very productive. Quart 30 cents, bushel \$1.00. **White Russian.**—A standard, early productive sort. Quart 25 cents, bushel \$1.00. **Clydesdale.**—Very early and remarkably heavy. Quart 30 cents, bushel \$1.50.

Spring.—Quart 30 cts., bushel \$1.75. **Winter Excelsior.**—Quart 30c., bushel \$1.50.

Mediterranean (Bearded).—Winter. Quart 30 cts., bushel \$1.50.

Armstrong or Landreth (Beardless).—Winter. Quart 30 cts., bush. \$2.00. **White York Spring.**—Spring. Quart 30 cts., bush. \$2.00. **White Russian (Beardless).**—Spring. Quart 35 cts., bush. \$2.50. **Saskatchewan (Beardless).**—Spring. Qrt. 35 cts., bush. \$2.50. **Scotch Fife (Beardless).**—Spring. Qrt. 35c., bush. \$2.50.



GOLDEN DENT CORN, for tropical climates. Pound 35 cts., 100 lbs. \$15.

BROOM CORN. Plant in rows 3 feet apart, in the row. Any good corn soil is suitable. **IMPROVED EVERGREEN.**—The best variety. Pkt. 10 cts., pt. 25 cts., qt. 45 cts. By exp. bush. \$4.00, peck \$1.25.

TREE, SHRUB, VINE, AND HEDGE SEEDS.

EVERGREEN TREE SEEDS.

Evergreen Tree Seeds should be preserved through the winter in dry sand, and sown as early in the spring as the ground is workable, in beds of light sandy loam, say four feet in width. Sow in drills wide enough apart to allow of a cultivator running between, for the purpose of keeping down weeds and stirring the soil. Cover the seeds very lightly with soil, and water sparingly, as too much water is apt to cause the young seedlings to damp off. Shade the beds the first year with branches, or frames made of lath, to keep off the sun and protect from birds. There are some kinds of Tree Seeds which, in the hands of experienced cultivators, require no shading; but to all persons of limited knowledge we recommend shading every one.

DECIDUOUS TREE SEEDS.

Deciduous Tree Seed may be sown the same as directed for the Evergreens, with the exception that the larger nuts, such as Acorns, Chestnuts, Walnuts, and Hickory Nuts, which will shrivel up if too long exposed to the air, and if not sown in autumn, should be kept in damp sand during winter. Hard-shelled seeds, such as Honey Locust, etc., should be sown in autumn; but if left till spring an exposure to frost in boxes of sand is necessary to make them vegetate the first season. If either of these plans are impracticable, soak the seeds for an hour or two in hot water, before sowing. The seeds of the Scarlet and Silver-Leaved Maples mature in early summer, and should be sown as soon as ripe, which is early in June. Orders for these and also for the different species of Elms, should be placed early, so that they can be filled at the proper time. Maples, Elms, and Magnolia should never be allowed to become thoroughly dry. The Locust, Yellow-Wood, Acacia, and nearly all the Coniferae, will keep in a dry atmosphere for a year or more. Hawthorn and Juniper, and the closely allied species, sometimes take two years to germinate. The seeds of other deciduous trees, shrubs, etc., may be kept dry during winter, and sown in spring. It is of importance that the beds be kept well weeded the first and second years. Frequent stirring of the soil between the rows during the growing season helps the young seedlings along wonderfully. When large enough to handle, transplant into nursery lines. For further information on the management of trees from seed, and all other matters connected with trees, see Mr. A. S. Fuller's new book, "Practical Forestry;" published at \$1.50 (300 pp.), mailed free for \$1.35. (See our list of books.)

	Pkt.	Oz.	Lb.		Pkt.	Oz.	Lb.
Balsam Fir (<i>Abies balsamea</i>),	5c.	\$ 20	\$2 00	Russian Mulberry (<i>Morus morelli</i>),	10c	\$ 30	\$3 00
Hemlock Spruce (<i>Abies canadensis</i>),	15	50	5 00	Swiss Stone Pine (<i>Pinus cembro</i>),	5	15	1 00
Douglas Fir (<i>Abies Douglasii</i>),	10	30	3 00	Sea Pine (<i>Pinus pinaster</i> or <i>maritima</i>),	5	15	1 00
Norway Spruce (<i>Abies excelsa</i>), per hundred pounds, \$70.00,	5	15	1 25	Austrian Pine (<i>Pinus Austriaca</i>),	5	15	1 50
Silver Fir (<i>Abies pectinata</i>),	5	15	1 50	Corsican Pine (<i>Pinus laricio</i>),	10	30	3 00
Norway Maple (<i>Acer platanoides</i>),	5	15	1 50	Stone pine (<i>Pinus pinea</i>),	5	15	1 00
Sycamore Maple (<i>Acer pseudo-platanus</i>),	5	15	1 50	Scotch Fir or Pine (<i>Pinus Sylvestris</i>),	5	20	2 00
Sugar Maple (<i>Acer saccharinum</i>),	5	15	1 25	White or Weymouth Pine (<i>Pinus strobus</i>),	10	40	4 00
Dutchman's Pipe (<i>Aristolochia sipho</i>),	15	2 00		Buckthorn (<i>Rhamnus cathartica</i>),	5	20	2 00
Barberry (<i>Berberis vulgaris</i>),	5	15	1 50	Yellow Locust (<i>Robinia pseudacacia</i>),	5	10	60
White Birch (<i>Betula alba</i>),	10	35	3 50	Wild Rose (<i>Rosa canina</i>),	5	10	60
Weeping Birch (<i>Betula pendula</i>),	5	25	2 50	Arbor Vite, Chinese (<i>Thuja orientalis</i>),	5	20	2 00
Allspice or Strawberry Tree (<i>Calycanthus Floridus</i>),	5	20	2 00	" " American (<i>Thuja Occidentalis</i>),	10	30	3 00
Shelbark (<i>Corya alba</i>), per quart 60 cents,	5	20	2 00	" " Giant (<i>Thuja gigantea</i>),	15	80	8 00
Catalpa Speciosa (<i>Hardy catalpa</i>),	5	20	2 00	" " Golden (<i>Thuja aurea</i>),	10	40	4 00
Cladrastis Tinctoria (<i>Yellow wood</i>),	15	1 20	12 00	" " Siberian (<i>Thuja Siberica</i>),	15	70	7 00
Dogwood (<i>Cornus Florida</i>),	5	15	1 50	European Linden (<i>Tilia Europaea</i>),	5	15	1 00
Lawson's Cypress (<i>Cupressus Lawsoniana</i>),	10	60	6 00	American " (<i>Tilia Americana</i>),	5	20	2 00
Blue Gum (<i>Eucalyptus globosus</i>),	15	70	7 00	Furze, Whin, or Gorse (<i>Ulex Europaeus</i>),	5	15	1 00
White Ash (<i>Fraxinus alba</i>),	5	15	1 00	Wistaria, Chinese (<i>Wistaria Sinensis</i>),	15	1 00	10 00
Scotch Broom (<i>Genista scoparia</i>),	5	10	80				
Honey Locust (<i>Gleditsia triacanthos</i>), per hundred pounds, \$35.00,	5	10	50	FRUIT SEEDS.			
Silver Bell or Snowdrop Tree (<i>Halesia tetraptera</i>),	10	30	3 00	Apple,	5	10	50
English Ivy (<i>Hedera helix</i>),	5	15	1 50	Apricot Pits,	5	10	50
Holly (<i>Ilex opaca</i>),	5	15	1 50	Cherry Pits, Black Mazzard,	5	10	60
Butternut (<i>Juglans cinerea</i>), 40c. per quart,				Currant, Red Dutch,	5	20	2 00
Red Walnut (<i>Juglans nigra</i>), 40c. per quart,				" White Dutch,	10	40	4 00
Red Cedar (<i>Juniperus Virginiana</i>),	5	10	75	" Cherry,	5	30	3 00
Juniper (<i>Juniperus communis</i>),	5	15	1 50	" Black,	10	40	4 00
European Larch (<i>Larix Europaea</i>),	5	15	1 50	Gooseberry, Red,	15	1 25	12 00
Privet (<i>Ligustrum vulgare</i>),	5	15	1 50	" Green,	15	1 25	12 00
Tulip Tree (<i>Liriodendron tulipifera</i>),	5	15	1 50	" Yellow,	15	1 25	10 00
Osage Orange (<i>Maclura aurantiaca</i>), per hundred pounds, \$35.00,	5	10	50	Pear,	5	20	2 00
				Plum, Damson,	5	10	50
				" Green Gage,	5	10	50
				" Myrobalan,	5	10	1 00
				Quince,	5	25	2 50
				Raspberry,	5	30	3 00
				Strawberry,	10	40	4 00

AGRICULTURAL AND HORTICULTURAL BOOKS.

The undernoted are standard and reliable works on horticulture and agriculture, and, as we have made special arrangements with the publishers, we give our customers the benefit of the reduced prices. We mail free, to any address, at the cash prices annexed.

THE GARDEN.			THE FARM.				
	Pub-lishers' Prices.	Net. Cash Price.		Pub-lishers' Prices.	Net. Cash Price.		
Play and Profit in My Garden,	Rev. E. P. Roe,	\$2 00	\$1 80	Allen's New American Farm Book, Richard L. Allen,	\$2 50	\$2 25	
Gardening for Profit (new edition),	Henderson,	2 00	1 80	Farming for Profit,	John E. Read,	3 75	3 38
Gardening for Pleasure (new edition),	Henderson,	2 00	1 80	French's Farm Drainage,	Judge French,	1 50	1 35
Ornamental Gardening,	E. A. Long,	2 00	1 80	How the Farm Pays,	{ P. Henderson and } W. Crozier,	2 50	2 25
Money in the Garden,	Quinn,	1 50	1 35	Facts for Farmers, 1100 pages,	Solon Robinson,	5 00	4 50
Practical Floriculture (new edition),	Henderson,	1 50	1 35	Silos and Ensilage,	George Thurber,	50	45
Handbook of Plants,	Henderson,	3 00	2 70	Yankee Farming,	{ "Timothy Bunker, } Esq.,	1 50	1 35
Parsons on the Rose,	Samuel B. Parsons,	1 50	1 35	Farm Implements and Machinery,	Thomas,	1 50	1 35
Your Plants, and How to Grow Them,	Sheehan,	40	36	Book of the Farm,	Waring,	2 00	1 80
Lilies, and Their Culture,	Dr. Wallace,	1 65	1 48	American Cattle,	Allen,	2 50	2 25
Success in Market Gardening,	W. W. Rawson,	1 00	90	The Pig,	Harris,	1 50	1 35
Garden and-Farm Topics,	Henderson,	1 50	1 35	Youatt on Sheep,	Wm. Youatt,	1 00	90
				American Dairying,	Arnold,	1 50	1 35
				POULTRY.			
				An Egg Farm,	Stoddard,	75	68
				Practical Poultry Keeper,	Wright,	2 00	1 80
				Profitable Poultry Keeping,	Stephen Bishe,	1 50	1 35
				MISCELLANEOUS.			
Field Notes on Apple Culture,	L. H. Bailey, Jr.,	75	68	Elements of Scientific Agriculture,	Norton,	75	68
Barry's Fruit Garden,	Barry,	2 00	1 80	Injurious Insects of the Farm and Garden,	Treat,	2 00	1 80
Fruit Culture,	W. C. Strong,	1 00	90	Canary Birds,		75	68
Grape Growers' Guide,	Chorlton,	75	68	Book of Birds,	Holden,	25	23
Fruit and Fruit Trees of America,	Downing,	5 00	4 50	Rural Architecture,	Allen,	1 50	1 35
Small Fruit Culturist,	Fuller,	1 50	1 35	Graperies and Horticultural Buildings,	Woodward,	1 00	90
Grape Culturist,	Fuller,	1 50	1 35	Quinby's New Bee Keeping,		1 50	1 35
Peach Culture,	Fulton,	1 50	1 35				
Pear Culture,	Quinn,	1 00	90				
Cranberry Culture,	White,	1 25	1 13				
Small Fruits,	Hills,	1 00	90				

GARDINER'S

For
1890

NOVELTIES &
SPECIALTIES IN

FLOWER SEEDS

We call special attention to the new varieties and special strains offered in the following list. Many of them are novelties of great promise, which are catalogued now for the first time, and cannot fail to prove very interesting to all enthusiastic gardeners. We allow no new variety into our list unless it emanates from our own establishment or from some other house of reliability and standing, in whom we repose the utmost confidence. The stocks we offer in specialties are nearly all of them grown exclusively for our special retail trade, and are therefore not to be obtained, of such superior excellence, from any other source whatever.

AQUILEGIA STUARTI.



AQUILEGIA STUARTI.

This valuable novelty is a cross between Grigor's *Glandulosa* and *Aquilegia Wilmansii*. The raiser (Dr. Stuart) says:—"From the flower thus fertilized, a pod was gathered and the seed sown at once. Seven plants lived to be planted out, in the autumn in a sheltered border. * * * These all bore flowers identically the same, the top blooms measuring 4 inches and more across. I showed a quantity of the blooms to Professor Balfour, Edinburgh University, and to John Sadler, Curator of the Edinburgh Botanic Gardens, and to many other competent judges, who all considered it a first-rate novelty, and it was then and there named *A. Stuarti* by Professor Balfour. I claim the following points of superiority over *A. Glandulosa* for this hybrid: it is much larger, more free-flowering, and far more refined in form." The much-admired *Glandulosa* of Grigor is a very shy flowerer, and most veteran gardeners consider it quite a feat to have it in perfection. In the new form raised by Dr. Stuart, this defect is to a large extent removed, and one of the finest herbaceous plants in cultivation is thus brought within the range of cultivation alike to amateurs and professionals. We have great pleasure in being able to introduce this valuable hybrid, and beg to state that our stock is procured directly from the originator (Dr. Stuart), and can be thoroughly depended on. Owing to the limited amount of seed available for distribution the present season, we would advise early application in order to avoid disappointment. Pkt. 25c.

Rare Columbines worthy of Special Mention.

Of the many forms of this valuable herbaceous perennial (*Aquilegia*) worthy of a place in every garden, we recommend the following. They are of great beauty, and are justly admired not only for their beautiful flowers, but also for their charming habit and graceful foliage.

- AQUILEGIA GLANDULOSA VERA** (Grigor's).—Very large dark blue flowers with pure white corolla; very beautiful. Pkt. 25c.
- AQUILEGIA VERVAENEANA DOUBLE VIOLET**.—Very double dark violet flowers; rare and distinct. Pkt. 10c. oz. \$2.
- AQUILEGIA JAESCHKANI**.—Large yellow flowers with red spurs; splendid. Pkt. 20c.
- AQUILEGIA COERULEA HYBRIDA**.—Blue and white, large and beautiful. Pkt. 10c., oz. \$2.50.
- AQUILEGIA CALIFORNICA HYBRIDA**.—Golden-yellow; Sepals and spurs red. Pkt. 10c., oz. \$2.00.
- AQUILEGIA DOUBLE CARNATION STRIPED**.—Very beautiful. Pkt. 25c.
- AQUILEGIA SKINNERI**.—Scarlet, tipped with yellow; this is a very fine variety. Pkt. 10c. oz. \$2.50.

NEW QUEEN ASTER.

A new large-flowering class of very fine dwarf habit not exceeding 9 or 10 inches in height and bearing profusely full, double imbricated flowers of extraordinary size. Unsurpassed for bedding purposes, and excellent for growing in pots for market. A charming strain, and certain to please all who try it. We strongly recommend this new class for its refined form, neat, compact habit, and great profusion of bloom. Colors *crimson, dark blue, light blue and white*. Each, per pkt. 10c.

TRIUMPH ASTER.—A very dwarf and compact race with beautifully imbricated flowers. The colors are very distinct and charming, and, from experience, have proven quite an acquisition to our list of dwarf Asters. *Dark Scarlet*.—Pkt. 15c. *Dark Scarlet and White*.—Pkt. 15c.

ASTER COMET.—Delicate pink, bordered with white, the petals being long, twisted and curled like a Japanese Chrysanthemum; same height and habit as the Dwarf Pæony Perfection. Pkt. 10c.

ASTER COMET, DEEP ROSE.—An exact counterpart of the preceding, only the flower is pure deep rose. Pkt. 10c.

ASTER PRINCE OF WALES.—A very large and finely formed dark crimson Aster, growing 18 inches in height, and flowering very profusely. This is the most popular crimson variety with all large growers for the market. Pkt. 10c.

ASTER ZIRNGIEBEL'S IMPROVED DOUBLE WHITE.—This magnificent Aster is a cross between the Truffant's Perfection and Victoria. Height 2 feet; form globular; flowers large, pure white, and beautifully imbricated. Seed saved for us by Mr. Zirngiebel. Pkt. 10c.

ASTER DWARF VICTORIA, DARK SCARLET.—A handsome new color; excellent for edgings and pots. Pkt. 15c.



NEW QUEEN ASTER.

AMPELOPSIS VEITCHII.—JAPANESE, OR BOSTON IVY.

This wonderful vine is a native of Japan, and was first grown in this country about twelve or fifteen years ago on the estate of Mr. Hunnewell, of Wellesley—that charming place where so many of our floral favorites first made their bow to an admiring public. In a relatively short space of time it has been disseminated extensively all over the country, increasing in popularity the more it is known. The people of Boston were among the first to appreciate the great merit of this vine for covering all kinds of brick or stone buildings, and its elegant appearance on some of the finest churches and residences of that city was such as to call forth the admiring comments of visitors to the "Hub." These visitors would often ask for a slip or plant to take away with them, and not having a particular fancy for latin names, they called it simply "Boston Ivy." Japanese Ivy is a more fitting title, however, and by this it is most generally known. Our illustration is engraved from a photograph of the Ivy growing on the gateway of Forest Hills Cemetery, Boston, and gives a fair idea of the outline, although the graceful clinging foliage does not show so clearly as it should. And no picture could ever give the faintest idea of the magnificent aspect when the vine changes its mantle of the deepest green to the most dazzling crimson, vermillion, and gold in the fall of the year. Such a sight must be seen to be appreciated.

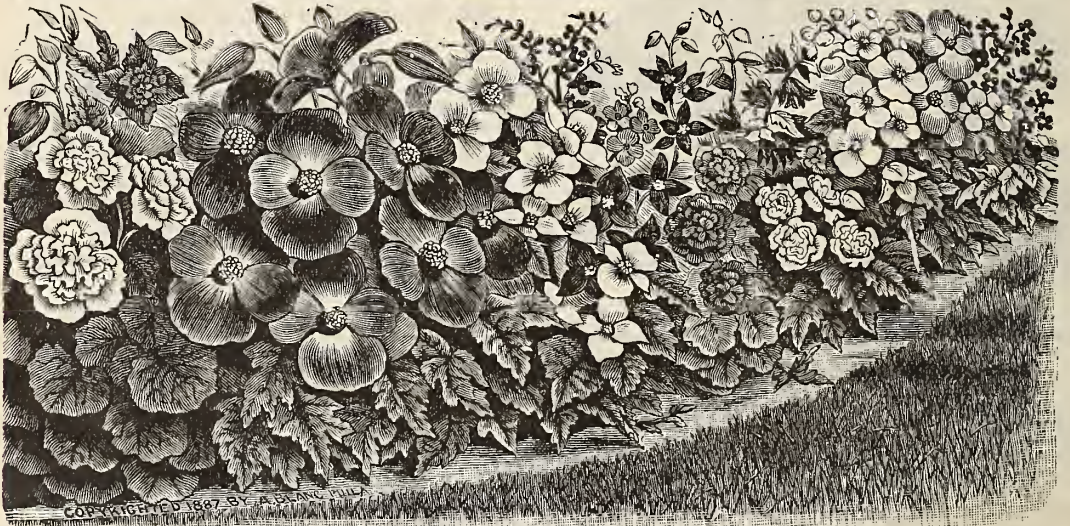


Much as the English appreciate the Ivy, which grows so abundantly on their old walls and buildings, and proves such a picturesque object to travellers, we can beat it here in grace and beauty with the Japanese Ivy on our buildings. It will cling tenaciously to either brick or stone, and will cover a large space in a very few years.

Culture.—Sow any time from February to April, in shallow boxes or pans, filled with ordinary garden soil, covering the seed to the depth of one-half an inch. After watering, place outdoors where they will be subjected to the action of frost for a day or two, then set them where they will thaw out gradually. They may then be put in the frame, hot-bed, or window, and every seed will come up. Let them grow stocky by giving plenty of air on fine days. By the second week in May they will be large enough to be transplanted to the open ground. A sowing may also be made in the open ground in the spring. Soak the seeds for three days in water before sowing, and cover about one-half an inch deep. When the seedlings are well rooted, remove from the seed-bed to where they are wanted to grow. Tie up with neat plant sticks, and keep free from weeds. By the following spring they will be strong enough to cling to any rough surface without support. Pkt. 10c., oz. \$1. Strong 2 yr. old plants, 35c. each, \$3.50 per doz. Smaller plants, 20c. each, \$2 doz. Mailing, 3c. each.

AMPELOPSIS VEITCHII.—On the gateway of Forest Hills Cemetery, Boston. [From a photograph.]

NEW TUBEROUS-ROOTED BEGONIAS.



THE marvelous improvement made in this class of plants during the past few seasons by such men as Cannell, Laing, Box, and others, has excited the wonder and admiration of flower lovers in both hemispheres to a remarkable extent. Their free-flowering qualities are well known and appreciated, and when the magnificent developments in the size of the flowers, their brilliant colors, and diversity of form is considered in addition, it is small wonder that this new race should create a sensation. Blooms measuring 3 to 4 in. in diameter are frequent, and there are well-authenticated instances on record of blooms measuring as much as 6 in. in diameter. Indications point to this as the flower of the future for summer bedding as well as for pot culture. Our stocks are procured direct from the most successful raisers.

- BEGONIA NEW TUBEROUS-ROOTED, LAING'S GOLD MEDAL STRAIN.**—Pkt. 50c.
- BEGONIA NEW TUBEROUS-ROOTED, CANNELL'S SUPERB STRAIN.**—Pkt. 50c.
- BEGONIA NEW TUBEROUS-ROOTED, BOX'S PRIZE STRAIN.**—Pkt. 50c.
- BEGONIA NEW TUBEROUS-ROOTED, INTERNATIONAL PRIZE STRAIN.**

An extra selected strain of single and double varieties. Pkt. 50c.

BEGONIA BULBS. We can supply well-developed tubers, all ready for planting out, selected with the greatest care from the best and newest improved strains. **Single Flowering Varieties**, 20c. each, \$2 per doz. **Double Flowering Varieties**, 40c. each, \$4 per doz. Free by mail.



CUP AND SAUCER CANTERBURY BELL.

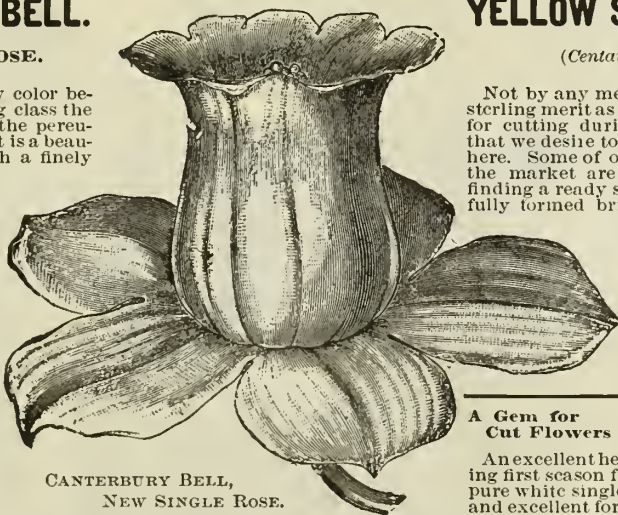
Cup and Saucer Canterbury Bell.

Of all the odd shapes in flowers of recent introduction, we think this strange departure in the old-fashioned and ever popular Canterbury Bell is one of the most remarkable. Our engraving gives a fair idea of one of these freaks, and there are many others in this strain of even more pronounced variation from the old style. This strain is not only very remarkable, it is also exceedingly beautiful and entirely distinct, and will be quite an acquisition to this class of hardy border perennials which are now receiving more attention than they have for many years. For adding variety to the garden, and for making permanent beds and borders at small expense they are unsurpassed, and no garden is complete without a full selection. They form most handsome and effective auxiliaries to our summer bedding plants. This new strain comprises great variety in color, and much diversity of form and habit, while their freedom of bloom is all that can be desired. Succeed well in rich soil and are of the easiest cultivation. Packet 15 cents, four for 50 cents.

CANTERBURY BELL.

NEW SINGLE ROSE.

This is a splendid new color belonging to that charming class the *Calycanthemum* section of the perennial Canterbury Bells. It is a beautiful soft rose color, with a finely formed, very graceful flower of large size. They are produced in the greatest profusion, and make excellent subjects either for cutting or for the decoration of the flower border. The plant is of strong growth, quite as hardy as the old variety and excellent for growing in pots for conservatory decoration. The freedom of bloom and the size of the flower in this variety are really remarkable, the bell or trumpet being about 4 in. in diameter, and the flowers produced in such profusion as to literally cover the plant. Packet 25c.



CANTERBURY BELL,
NEW SINGLE ROSE.

YELLOW SWEET SULTAN

(*Centaurea Sauveolens*).

Not by any means a novelty, but of such sterling merit as a plant admirably adapted for cutting during the summer months, that we desire to call special attention to it here. Some of our prominent growers for the market are growing it very largely, finding a ready sale for its neat and beautifully formed bright yellow flowers. The edges of the petals are very finely cut, which gives the flower a most peculiar and elegant furry appearance. It has long stems, carries and keeps well, and altogether is one of the best annuals we know both for market and home use. Pkt. 5c., ounce 60c.

A Gem for Cut Flowers *Pyrethrum Uliginosum*.

An excellent herbaceous perennial, blooming first season from seed; bears very large pure white single flowers; profuse bloomer, and excellent for cutting. Pkt. 15c.; 4 for 50c.

NEW SINGLE CHRYSANTHEMUMS

Single flowers appeal very forcibly to our artistic feelings, as witness the great favor in which our improved strains of Single Dahlias, Hollyhocks, and other favorite old-fashioned flowers are held. They have a gracefulness and arch simplicity about them which at once appeals to an aesthetic taste in a way that never happens with the very showiest of double flowers. And now that we are all half crazy over the bewildering magnificence, the oriental splendor of the latest productions in double Japanese and Chinese Chrysanthemums, we cannot do better than call your attention to the great merits of the single annual Chrysanthemums for the decoration of the summer garden, and for growing

in pots for spring flowering. They embrace a remarkable range of color with a shape and substance all that can be desired, and with good cultivation, measure two to two and a-half inches in diameter.

ECLIPSE.—Golden-yellow, dark brown disk and purple ring. Packet 5c., ounce \$1.00.

GOLDEN FEATHER.—New golden-leaved variety; flowers white, with crimson and yellow rings and dark centre. Packet 5c., ounce \$1.50.

LORD BEACONFIELD.—Crimson-maroon, edged with gold. Packet 5c., ounce \$1.00.

THE SULTAN.—Deep crimson, gold band next the centre. Packet 5c., ounce \$1.00.

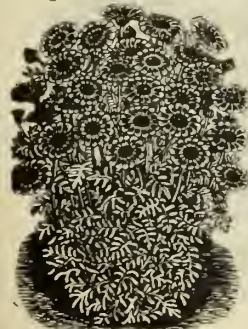
PURPUREUM.—Single deep crimson. Packet 5c., ounce 50c.

ALBUM.—Single white. Packet 5c., ounce 50c.

BURRIDGEANUM.—Single white, with crimson band and yellow centre. Packet 5c., ounce 50c.

FRUTESCENS.—"The Paris Daisy," or "Marguerite." Golden and white. Each, packet 10c., ounce \$2.50.

MIXTURE OF ABOVE SORTS.—Packet 5c., ounce \$1.00.



NEW SINGLE
CHRYSANTHEMUM.



CENTAUREA SAUVEOLENS.

DELPHINIUM ZALIL YELLOW. The finest pure yellow Delphinium yet introduced. The plant is branching and bears numerous spikes of pure sulphur-yellow flowers from 8 to 16 in. in length; very attractive; a decidedly novel color in Delphinium. Pkt. 25c.



DELPHINIUM
ZALIL
(New Yellow
Delphinium).



GOLDEN
COREOPSIS.

COPYRIGHTED 1897 BY ABLANC.

GOLDEN COREOPSIS. The Golden Coreopsis (*Coreopsis lanceolata*) is one of the most valuable of our summer flowering herbaceous plants. The flowers are bright golden-yellow, beautifully fringed, and are produced freely all summer, and until late in the fall. Its freedom of bloom is remarkable, the plant being literally covered with flowers. When grown in a mass the effect is charming. Excellent for cutting; lasting well, and making up gracefully in bouquets. The root is perennial; perfectly hardy; sown early, will flower first season from seed. Pkt. 15c.

RARE CACTUS FROM SEED.

Every lover of the wonderful and curious is interested in these plants. The remarkable ease and little care required for the growing of them is well known and appreciated. Of late years they have become so popular that we have decided to give our customers an opportunity of having a collection at an insignificant cost. Their large and beautiful flowers, and curious and wonderful shapes are a source of perpetual delight, and this fine effect is produced with scarcely any attention. When established they may be left without watering for months without any injury. The seed which we here offer is a mixture of all the best sorts, making fine, vigorous growth, and from each package may be obtained a very fine and valu-



RARE CACTUS.

able collection of these interesting curiosities. Pkt. 15c., four pkts. for 50c.

Culture.—Sow in shallow flower-pot saucers nearly filled with open sandy soil; cover seed with about 1-16 inch of sand. Cover with a piece of glass. Place the saucer in a larger one kept full of water; the soil in smaller saucer will thus be kept continually damp. When plants are large enough to handle, transplant singly, in small pots, using same kind of soil. For further information regarding Cacti, see "Hints on Cacti," price 10c.; or with one plant, 15c.

CACTUS PLANTS.

12 New and Rare Varieties, free by mail for \$1.00.

Each variety is named. The collection is accompanied by the book "Hints on Cacti" (free of charge) in which will be found full instructions for cultivation.



COREOPSIS GOLDEN WAVE.

**COREOPSIS
GOLDEN WAVE.**

In the annual section of the Coreopsis family this is probably the most effective and beautiful. As the *Lanceolata* is easily at the head of the *perennials*, so also, this tops the list among the *annuals*. A mass of golden-yellow all summer. May be sown early in the open border, or started in heat and transplanted. Pkt. 10c.

DIANTHUS HEDDEWIGI

(Castle Kennedy Strain).

A beautiful and valuable improvement on *D. H. Diadematus*, fl. pl. flowers, very large, with colors arranged in zones, varying from lilac and crimson to richest dark purple edged with white; beautifully fringed. Pkt. 15c.



DIANTHUS HEDDEWIGI (Castle Kennedy Strain).

CHATER'S PRIZE HOLLYHOCKS.

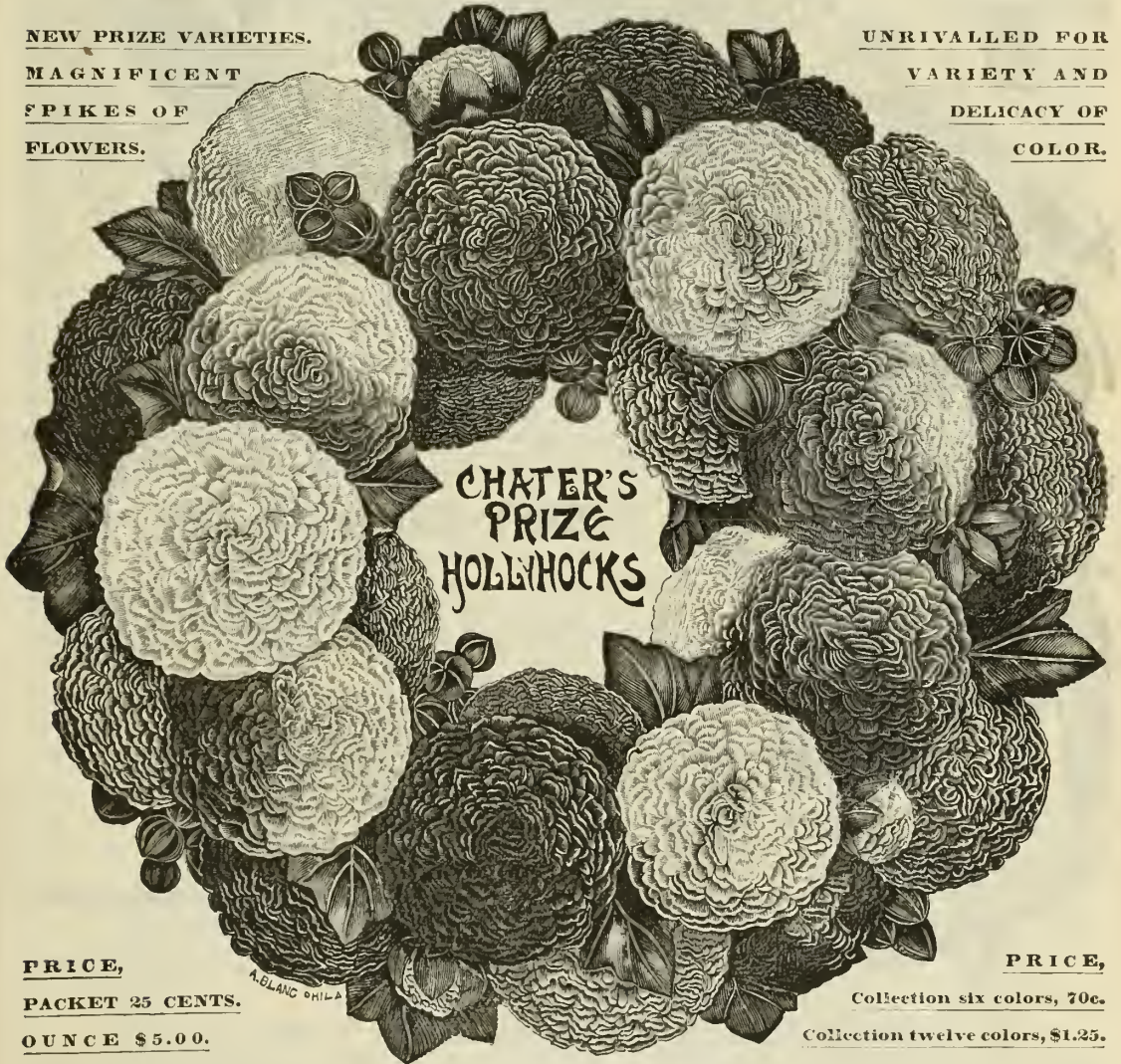
The remarkable richness and variety of color in this prize strain has excited the wonder and admiration of all beholders. At the leading Horticultural Exhibitions they have taken first rank for their magnificent spikes of flowers as well as for their unrivalled richness and delicacy of coloring. The flowers are superbly double, and the colors embrace the richest shades of yellow, rose, crimson, primrose, lavender, mauve, white, etc. Now that the pendulum of fashion in the world of gardening is on the return swing from the extreme use of soft wooded plants to the more extensive use of herbaceous plants, the Hollyhock is certainly one of the first of our old favorites to be reinstated to the prominent position it formerly held as a decorative plant. They are far more easily raised from seeds than is generally supposed, and if our instructions are properly followed they can be had in flower the first season, although the usual way is to sow in August for next season's flowering. But there is no reason why this excellent plant should not be had in flower five months after sowing just as well as the Dahlia, which is now quite extensively grown in this way.

NEW PRIZE VARIETIES.

**MAGNIFICENT
SPIKES OF
FLOWERS.**

UNRIVALLED FOR

**VARIETY AND
DELICACY OF
COLOR.**



**PRICE,
PACKET 25 CENTS.
OUNCE \$5.00.**

**PRICE,
Collection six colors, 70c.
Collection twelve colors, \$1.25.**

HOW TO FLOWER THE HOLLYHOCK THE FIRST SEASON FROM SEED.—Sow the seed in February or March in a frame with gentle bottom heat. The temperature must not be too high, and it is best to sow the seed directly on the soil—not using any pans or boxes. A good loamy soil is best. Cover the seeds to a depth of one-half inch. When the plants are so far advanced as to show the rough leaf, they should be pried out and transplanted into another frame without heat, but well protected from frost. As early in spring as the weather will permit, which in this latitude is generally about the first of May, the young plants may be transferred to their permanent quarters. If there should be likelihood of late spring frosts after planting out, a flower pot should be placed over them during the night and removed on the following morning. Continue to do this until all danger of frost is past. By following these simple directions success is assured, and the trouble will be amply repaid with fine spikes of flowers in the following August and September. Those who do not possess a frame or hot-bed can raise the seed in a sunny window; but we advise all amateurs to make a hot-bed if possible, as it is quite a simple affair and is very useful for raising all kinds of seeds—*Stocks, Asters, Pansies*, and a host of others. **Chater's Prize Hollyhock, choicest mixed.**—Packet 25 cents, ounce \$5.00. **Collection of six colors, 70 cents. Collection of twelve colors, \$1.25.**

GARDINER'S "FAIRY" SWEET PEAS.



THE Sweet Pea "on tiptoe for a flight," to use the apt and expressive phrase of Keats, is such a universal favorite with

all lovers of beautiful flowers, that we feel sure of a welcome for our "Fairy" Collection. They are so graceful, so bright, so fragrant, so responsive to the smallest attention, that they always carry sweetness and light in their train. Their beautiful clusters of richly-colored blossoms so brilliant, and yet withal so arch and graceful, are a very "dream of loveliness" when seen in perfection, and a sight never to be forgotten. Our "Fairy" Collection is brimful of new and improved varieties, and overflows with choice and charming colors. There are many who eschew the growing of flowers on account of the care and trouble they entail. The Sweet Pea takes care of itself, and if you plant nothing else, be sure to get a good supply of our "Fairies." A pound package will sow a row of eighty feet.

GARDINER'S "FAIRY" SWEET PEAS.—Choicest mixture of the most charming colors. By mail, prepaid, packet 10c., quarter-pound 35c., half-pound 65c., pound \$1.25, five pounds \$5.00.

ECKFORD'S * NOVELTIES * IN * SWEET * PEAS
 FOR 1890.

PRIMROSE.—A near approach to a *Yellow Sweet Pea*, quite novel and distinct in color; the standards and wings pale *primrose-yellow*. Awarded *First-Class Certificate* by the *Floral Committee of the R.H.S.*, in 1887. In sealed packets of 20 seeds, 60c.; 10 seeds, 35c. *Stock very limited.*

COUNTESS OF RADNOR.—Pale mauve standards, with a deeper shading of mauve; wings pale lilac or delicate mauve. In sealed packets of 20 seeds, 60c.; 10 seeds, 35c. *Stock very limited.*

MRS. GLADSTONE.—Delicate pink standards; the wings blush, edged with delicate pink; a singularly pretty and pleasing variety. Packet of 25 seeds, 35c.

EMPERESS OF INDIA.—Clear rosy pink standards, and white wings; large, and very pleasing. Per packet of 20 seeds, 35c. *Stock very limited.*

CAPTAIN OF THE BLUES.—The standards bright purple-blue, with pale blue wings; a very striking and fine variety. Per packet of 25 seeds, 35c.

PURPLE PRINCE.—Maroon standards, shaded with bronze and purple-blue wings; very fine and distinct. Per packet of 25 seeds, 35c.

MISS HUNT.—Pale carmine, salmon standards, with soft pink wings; very pretty indeed. Per packet of 20 seeds, 35c. *Stock very limited.*

MRS. SANKEY.—Pure white, a large bold flower; a fine improvement on all other *Whites*. Per packet of 20 seeds, 35c. *Stock very limited.*

The Entire Collection of Eight Distinct Varieties as above, 3 Seeds of each, in Sealed Packets, for 50c.

ECKFORD'S NEW SPECIAL MIXTURE.—Consisting of the most recent crosses and selections, very choice and varied; highly recommended. In sealed packets of 25 seeds, 25c.

NEW VARIETIES SENT OUT BY ECKFORD IN 1889.

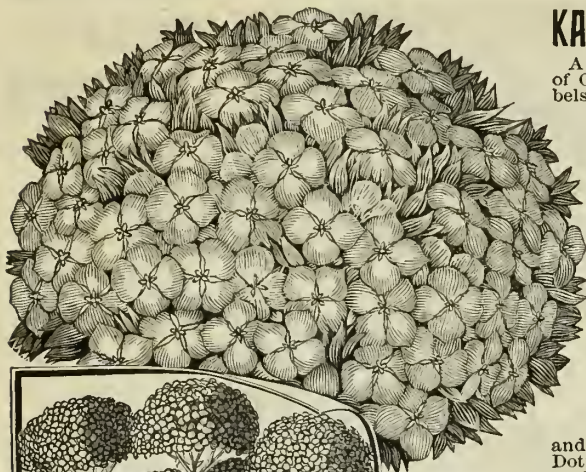
QUEEN OF ENGLAND.—White, of large size and good substance. In sealed packets of 25 seeds each, 25c. per pkt.
DELIGHT.—Wings white, standards white, beautifully crested with crimson; small; very pretty; dwarf habit. In sealed packets of 25 seeds each, 25c. per pkt.

COLLECTIONS SWEET PEAS.

COLLECTION A contains 10 distinct varieties (1 sealed packet of each) of the standard sorts. Price, 40c.
COLLECTION B contains 25 distinct varieties (1 sealed packet of each) of the standard sorts, and also a selection of the novelties of recent years. Price, \$1.00.
COLLECTION C contains every variety, both new and old, which we catalogue, amounting to 40 distinct sorts (1 sealed packet of each). Price, \$2.00.

GENERAL COLLECTION OF SWEET PEAS AND NOVELTIES OF RECENT YEARS.

These will be found at page 66 of this catalogue. Our list contains all the recent improvements in this charming flower (by Eckford, Laxton, and others), as well as the older standard varieties of acknowledged merit.



KALANCHOE CARNEA.

A new species from the Cape of Good Hope, with large umbels of beautiful pink flowers, delicately, yet sweetly fragrant, borne on long stems and very profusely. It has a peculiar and pleasing fragrance, and grows quite readily from seed. Thrives best in a mixture of loam and sand. Packet 25c.



NEW ENGLISH PRIMROSES.

The *New English Primroses* under notice are entirely distinct in color, comprising the most enchanting shades. There is not a dull or ineffective color among them; all are most attractive and bright. They are of the easiest possible culture, growing as readily as the ordinary *yellow*, and producing their flowers in the greatest profusion. Dotted here and there on the rock-work, they make a most enchanting display in early spring. For the border they are splendid, making a grand display grown in clumps. Excellent subjects for growing in pots or pans. They require some protection during winter in the North, but if grown in a shady border they need none whatever. Packet 25c.

ENGLISH PRIMROSE.



PERSIAN POPPY

(*Papaver Laevigatum*).

A new Poppy from Persia, with very handsome and showy flowers of rich scarlet and black, edged with white at base of petals, and measuring about 4 in. in diameter. Grows to a height of 2 ft.; is very floriferous; lasts longer in the cut state than most others. Annual. Packet 25c.



MIKADO POPPY.—A recent novelty, and one so unique and handsome that we are compelled to give it special mention, and recommend all who have not yet grown it to do so this season without fail. Flowers double scarlet and white, curled like a Japanese Chrysanthemum; very showy, beautiful and distinct. Height 18 inches. Annual. Packet 15c.

For list of Poppies see p. 69.

PERSIAN POPPY (*Papaver Laevigatum*).

KALANCHOE CARNEA.

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PRIMULA
OBCONICA

**EVER-BLOOMING
PRIMROSE.**

Introduced from Central China into England in 1882. Our illustration, which is engraved from a photograph, gives a good idea of the habit of the plant. The flowers are a pale lilac, borne in umbels on long stems; the fragrance is delicate and pleasing—the peculiar primrose odor—the most delicate of all perfumes. In addition to beauty of flower and fragrance, it possesses two other characteristics of paramount importance; it will flower continuously for the greater portion of the year—some growers assert they can have flowers all the year round with a little management; and last, but not least, it has remarkable keeping properties after being cut, remaining fresh in water from four to six weeks.

Packet 25c.; per 1000 seeds, \$1.00.

PRIMULA
OBCONICA

EVER-BLOOMING
PRIMROSE

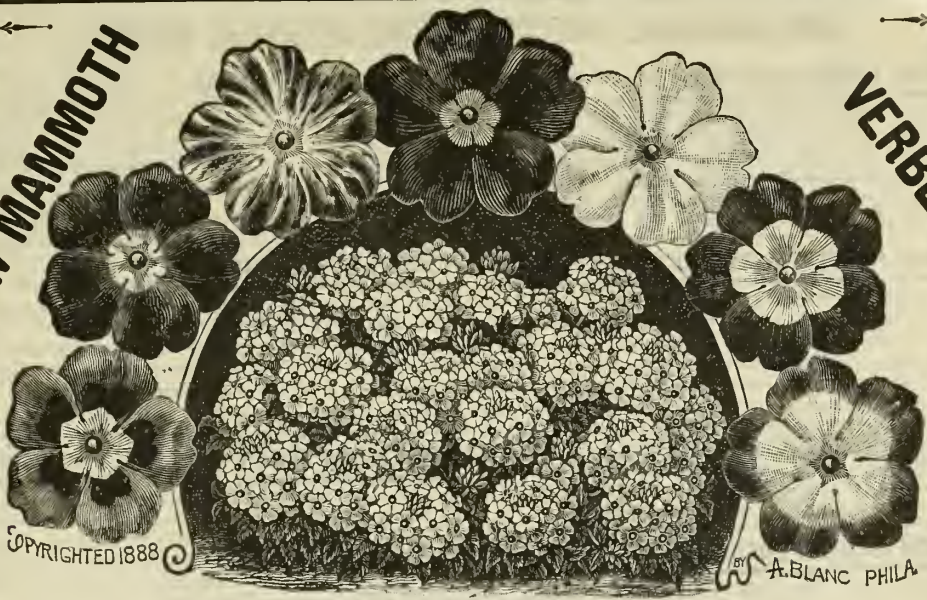
NEW * SHIRLEY * POPPIES.



NEW SHIRLEY POPPIES.—These originated from *Papaver Rhoeas*, the parent of so many of our beautiful garden poppies. Their delicate and chaste colors, graceful and charming habit, freedom of bloom, and ease of culture have rendered them exceedingly popular; and their unique appearance have delighted all beholders. As shown in the engraving, the flowers are single, and are unsurpassed for grace of outline. The colors are brilliant and beautiful, running through a great variety of color, from bluish and white to rose and crimson, but no scarlet. They are of the easiest culture, and quite an acquisition to this charming and popular family. Packet 10c.

NEW MAMMOTH

VERBENA.



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BY A. BLANC PHILA

NEW MAMMOTH VERBENA.

NEW MAMMOTH VERBENA. The New Mammoth Verbenas were introduced by Henderson in 1888, and created quite a sensation, being altogether unique in their immense size and charming colors. The shades and markings in this strain comprise many hitherto unknown in this genus. A single well-grown truss of flowers will measure about 9 inches in circumference, while the individual florets are as large as a 25-cent piece. The introducers say: "The great improvement in size is certain to increase the popularity of the Verbena as a summer-hedding plant. This new strain blooms just as freely as any of the older varieties with which we are all familiar, and is much more vigorous in growth." Verhena seeds sown in the open ground in May will flower in August, but if raised in a hot-bed in March or April, and transplanted when 4 inches high, they will show flower in June or July. Florists who wish to have plants large enough for spring sales, sow generally in January or February, the earlier the sowing the larger the plants when it is time to set them out. Packet 15 cents, four for 50 cents.

Tropæolum Lobbianum, "Asa Gray."

This is a new color in this fine class of Tropæolums, and is described by the originator as follows: "The lightest color yet obtained in the genus *Tropæolum* is offered by the flowers of this new variety. They are of the softest sulphur-yellow, a shade much exceeding in delicacy that of the *Tom Thumb Nasturtium 'Pearl.'* I think it is probable that with the aid of my novelty a pure white Tropæolum will be eventually produced." Packet 25 cents.

NEW MINIATURE SUNFLOWER.

This charming new *Sunflower* was in great demand last season for cut flowers. The blooms are small, single, as shown in our engraving, and are of a bright golden-yellow, with a dark centre. Annetta S. Wakefield writes, October 9th: "I have over forty plants of *Miniature Sunflower*, none of which exceeds 4 feet in height; they are very bushy and literally covered with flowers 3 1/4 inches in diameter and quite round. They are perfection for cutting and last well in water. The foliage is very pretty and bright, the individual leaves being small, scarcely exceeding two inches in length. As regards duration of flowering, my plants have been in flower since the beginning of July, and show no signs of ceasing at date of writing (October 9)." All who have grown this fine *Sunflower* are delighted with it. Packet 10 cents. Six for 50 cents.



NEW MINIATURE SUNFLOWER.

THE WILD FLOWER GARDEN.

There is something so racy and coy about things away from the haunts of man that an irresistible interest is excited in them entirely distinct from that produced by the most gorgeous and charming flowers in the home garden. No doubt the element of surprise has a good deal to do with this; a clump of *Blue Gentians* or *Purple Columbines* appearing unexpectedly in the course of a woodland walk will give more keen delight than the fairest of Flora's offerings in their accustomed places. There is certainly the keenest enjoyment in seeing those Ishmaelites spring up spontaneously in their own deliciously fugitive way, in some out-of-the-way corner, along woodland walks and shrubberies, by the margins of streams and lakes, on the rocky and other semi-wild spots of a similar nature. We furnish a mixture of seeds suitable for scattering here and there in such locations. This mixture contains every imaginable kind of flower and is put up under *Tall Growing* and *Dwarf Growing*, the dwarf-growing mixture being specially adapted for rockeries and places where tall-growing plants would be unsightly. The tall-growing mixture may be used with advantage in the backgrounds of shrubberies or alongside of fences, etc. The seeds need not be scattered thickly; a few here and there, wherever they would be likely to spring up and embellish the surroundings. If dropped at random in this way, the surprise and delight at some unexpected blossom peeping up in an out-of-the-way corner, shy of making acquaintance, will be all the more pronounced. Another use to which this mixture of seeds may be put is for furnishing flowers for bouquets. Make a special bed for them in some corner of the garden and let them grow at will. In this way they will furnish an endless supply of flowers for cutting—the different seasons of bloom ensuring variely all through the summer. Do not fail to get a good supply of these seeds along with your order. There is great possibilities in this direction, and you are missing something charming if you do not procure plenty. **Tall-growing mixture, half-ounce packet 25 cents, five for \$1.00. Dwarf-growing mixture, half-ounce pkt. 25c., five for \$1.00.**



SOME ADDITIONAL NOVELTIES WORTHY OF SPECIAL MENTION:

DIANTHUS HEDDEWIGI "The Bride." An entirely distinct and very beautiful variety, with flowers of large size and perfect form; snowy-white, with a conspicuous velvety purple spot in the centre. The centre spot is of an intense deep color, and contrasts very strikingly with the snowy whiteness of the flower. The plants are of fine bushy habit; very profuse bloomers. Packet 10c.

New Dwarf LARGE-FLOWERING FORGET-ME-NOT (*Myosotis Elegantissima*). A new and entirely distinct variety of very great value both for cutting and market purposes. It is as hardy as a Pansy, and may be treated in the same way. Not to be confounded with any other variety of *Myosotis*. It is entirely distinct. The habit is very dwarf and compact, and the flowers are very large and fine—much superior to the common Forget-me-not. It must prove of very great value, especially to florists who grow plants for market. Stock this season very limited. Apply early to avoid disappointment. Packet of 100 seeds, 25c.; 250 seeds, 50c.; 500 seeds, 75c.; 1000 seeds, \$1.00.

MYOSOTIS BLUE PERFECTION. An improvement on the favorite *M. Dissitiflora* so largely used and so popular for spring hedging. The flowers are almost double the size of the type, of the brightest blue, with a dark, star-shaped centre. For massing in beds, for edgings, or for mixing with pansies and other early spring-flowering plants, it will be very useful. Packet 25c.

ASTER NON PLUS ULTRA. The habit of this new Aster is very distinct, the branches being arranged candelabra-form, making a beautiful circular hush 18 inches in diameter, and not more than 12 or 15 inches in height. The flowers are carried well above the foliage, are enormously large, perfectly double, and resemble the finest Victoria Asters in form. Colors—*crimson, rose, and white*. Each, per packet, 25c.

PLYMOUTH PETUNIAS *Hender's Strain*. Probably the finest strain of Petunias in existence at present. We know of nothing to equal them either for size, substance, or color. Superb in every way. A prominent grower writes us:—"The Hender Petunias are simply superb; some of them are exquisitely fringed, and all have immense flowers and fine colors."
SINGLE.—Per packet, 25c. **DOUBLE.**—Per packet, 50c.

ROSY MORN POPPY (*Papaver pæoniiflorum var.*). This new Poppy is a really superb novelty. We had it on trial last season for the first time and were greatly struck with its beauty. The flowers are extremely double, and of good size, forming perfect balls of a most unique and beautiful shade of rose—an entirely new and distinct color in Poppies. We consider this quite an acquisition. Per packet 10c.

CELANDINE POPPIES. This free-flowering and beautiful class of Poppies ought to be more extensively cultivated. Flowers are single, fragrant; colors white, orange-scarlet, and yellow. Mixed, per pkt., 15c.

COLLECTIONS OF SELECT FLOWER SEEDS,

IN THE ORIGINAL PAPERS,

As Imported from the Most Celebrated European Cultivators.

These are imported by us direct from the most celebrated European growers, and we can strongly recommend them as being of the very best quality; distinguished alike for size, distinctness and variety of color, diversity of form, and general excellence.

ASTERS.

	Per coll.
Dwarf German, in 6 varieties, separate,	\$0 40
" " " " " " " " " " " "	75
" Shakespeare, 6 " " " " " "	40
" Bouquet (Bolzes), 4 " " " " " "	35
" " " " " " " " " " " "	60
" Improved Pyramidal Bouquet, 4 varieties, separate,	35
" Improved Pyramidal Bouquet, 8 varieties, separate,	60
" Chrysanthemum, in 6 varieties, separate,	50
" " " " " " " " " " " "	90
" Victoria, 8 " " " " " "	75
Liliput, 6 " " " " " "	35
Large-Flowered Rose, 6 " " " " " "	40
" " " " " " " " " " " "	75
Victoria, 12 " " " " " "	60
" " " " " " " " " " " "	1 00
Victoria Needle, 6 " " " " " "	1 50
Imbricated Pompon, 6 " " " " " "	75
" " " " " " " " " " " "	35
" " " " " " " " " " " "	90
Truffaut's Improved Peony Perfection, in 6 varieties, separate,	40
Truffaut's Improved Peony Perfection, in 12 varieties, separate,	75
Truffaut's Improved Peony Perfection, in 18 varieties, separate,	1 25
Cocardeu or Crown, in 6 varieties, separate,	60
Betteridges Quilled, 8 " " " " " "	40
" " " " " " " " " " " "	75
Goliath, 6 " " " " " "	40
Hedgehog or Needle, 6 " " " " " "	45
" " " " " " " " " " " "	70
Giant Emperor, 6 " " " " " "	75
Washington, 6 " " " " " "	75

MISCELLANEOUS.

	Per coll.
Celosia (Cockscomb), in 8 varieties, separate,	60
Convolvulus Major (Morning Glory), in 10 varieties, separate,	50
Carnations and Picotees, in 6 varieties, separate,	70
" " " " " " " " " " " "	1 25
Grasses (Ornamental), 12 " " " " " "	65
Hollyhock (Chaters), 6 " " " " " "	70
" " " " " " " " " " " "	1 25
Pansy (see Viola Tricolor),	
Poppy, Double Carnation Flowered, in 10 varieties, separate,	40
Petunia, Hybrid Grandiflora.	
Single Choice, in 12 varieties, separate,	1 25
Double " " " " " " " " " " " "	1 00
" " " " " " " " " " " "	1 50
Phlox Drummond, Grandiflora, in 6 varieties, separate,	60
Phlox Drummond, Grandiflora, in 12 varieties, separate,	1 00
Portulaca, Choicest Single, in 8 varieties, separate,	50
" " " " " " " " " " " "	50
Stock, Large Flowering German 10 Week, in 8 varieties, separate,	65
Stock, Large Flowering German 10 Week, in 12 varieties, separate,	90
Tropeolum Lobbianum, in 12 varieties, separate,	75
Tropeolum Majus (Tall Nasturtium), in 12 varieties, separate,	50
Tropeolum Tom Thumb (Dwarf Nasturtium), in 12 varieties, separate,	50
Viola, Tricolor Maxima (Pansy or Heartsease).	
Best German, in 6 varieties, separate,	40
" " " " " " " " " " " "	75
" " " " " " " " " " " "	1 25
Zinnia, Elegans, 6 " " " " " "	50

BALSAMS.

Imp'd Camellia Flowered, in 5 varieties, separate,	\$1 00	Fine Double German, in 6 varieties, separate,	\$0 40
Double Rose " " " " " "	50	" " " " " " " " " " " "	75
" " " " " " " " " " " "	90	Dwarf " " " " " " " " " " " "	40
Carnation Striped, 8 " " " " " "	65	" " " " " " " " " " " "	75



WE have endeavored to make our list of Flower Seeds as complete as possible, by a judicious selection of the best sorts, so that our customers would not get bewildered among a labyrinth of varieties, many of which are of no special merit. While thus condensing, as much as possible, we claim to carry one of the largest and most complete stocks in America, and our long acquaintance with the best growers, both at home and abroad, enables us to speak with confidence as to the quality of our Flower Seeds, which we guarantee to be unexcelled in every respect. Many of the choicest strains have been cultivated exclusively for our trade, and are not to be obtained, of such superior excellence, from any other source whatever.

CULTURAL NOTES.

A few suggestions may prove of value to those who are unfamiliar with floriculture. The selection of the seeds; the preparation of the flower-beds or borders; the choice of location best suited to each species; the use of fertilizers, the time and manner of sowing seeds or of setting plants—all require care, and more or less skill.

WHEN TO SOW.

The middle of May is early enough, in this latitude, to sow most of the species in the open ground: too early sowing is a great mistake. The small and delicate seeds must be covered very lightly with earth: the finest of them had better be sown without any covering beyond the simple pressure of a smooth board; the larger and more hardy seeds may be planted deeper, and some of them earlier.

CAUSES OF FAILURE.

The seeds of some of the species are very small and delicate, and, from many causes, are liable to fall, particularly when sown in the open ground. If sown too early, the earth lacks the warmth necessary to insure germination; if covered too deeply, the delicate sprouts cannot force their way through; if heavy rains ensue, the seeds may be entirely washed away, or the soil beaten down and crusted over, or perhaps left in such a wet condition as to cause the seeds to decay. Again: the sowing may be followed by extreme heat and drought; and, if the seeds have become at all swollen, they are liable to become dry again; in such a case they are utterly ruined.

WHERE TO PLANT.

A rather light, sandy loam suits most flowers; and in such soils seeds generally germinate well. Some flowers thrive best in a rather shady situation and in rather heavy clay soils (the pansy is a notable example), while other species do best upon light, poor soils, and exposed to the full rays of the sun: this is particularly true of the *Portulaca*. A partial shading is necessary to protect those delicate seedlings that come from very small seeds.

RAISING SEEDS UNDER GLASS.

The seeds of nearly all the annual varieties, and many of the biennials and perennials, may be sown in March or April under glass, in frames, in greenhouses, or in small boxes in any sunny window. In this way a good stock of plants may be had at small expense, and a gain of several weeks made in the season of blooming; less weeding of the flower-beds will be necessary; and, when the plants are set out of doors, further transplanting is not required. Shallow boxes two to three inches deep, and with open seams at the bottom, are the best in which to start the seeds. Fill these boxes to within half an inch of the top with good, rich soil, mixed with about one-fourth sand; or, if convenient, procure some fine leaf-mould from the woods. Make the surface level and smooth, and upon this scatter the seeds sparingly. Use a fine sieve, with which sift carefully over the seeds just enough earth to cover them. Afterwards gently shower them with tepid water, using a fine sprinkler; and keep the boxes in a temperature as near 60° as possible. Avoid much watering, unless the surface of the soil appears dry. Transplant into other boxes when the plants are large enough to handle, setting them from half an inch to an inch apart. Sometimes the young seedlings are attacked by a minute fungus, which causes them to "damp off." In such a case no time is to be lost in transplanting into other boxes. In setting plants out into the beds or borders, allow liberal space for each: crowding too many into a small area is a mistake very often made.

FERTILIZERS.

For fertilizers, use well-decayed stable-manure, made very fine, and well mixed into the soil, or some first-class commercial fertilizer. From an experience of several years, we confidently recommend for general use, **Gardiner's Plant Food**. As a fertilizer for all plants, we have not found anything better: it acts more quickly than stable-manure, and has the additional advantage of never introducing the seeds of weeds; by its use the foliage of plants soon acquires a richer green color; and many claim that it imparts a brighter hue to the flowers of many species. It may be applied at the time of sowing or of transplanting, or later, whenever needed, using care not to sprinkle it upon the foliage of the plants, nor to apply too much at once.

ANNUALS, BIENNIALS AND PERENNIALS.

Annuals are those plants that bloom the first year from seed, and, after ripening their seeds, perish the same season. They comprise many of the most beautiful flowers, and, as a rule, are of easy culture. Some of the Biennials and Perennials will flower the first season if the seed is sown early, and they may then be kept over for another year, or longer. Pansy, Antirrhinum, Dianthus, etc., belong to this class. Biennials generally bloom the second year from planting the seed, and then die. Perennials, as a rule, bloom the second year, and are more or less permanent thereafter. The seeds of some of the Perennials remain a long time in the soil before germinating. Several species of the Biennials and Perennials will succeed well if the seeds are sown early in autumn.

GARDINER'S

Choice :: Flower :: Seeds.

GENERAL LIST.

In the following pages we catalogue all the standard varieties of flower seeds of acknowledged merit. The descriptions of each being accurately and concisely given from our own observations during an experience of many years. On our extensive farms at Downingtown, Chester County, Pa., we test every year all novelties as they appear, as well as all our stocks of the standard varieties, and this system enables us, by careful comparisons, to select only those sorts that are adapted to our climate, and worthy of extended cultivation. No new variety is allowed into our general list of flower seeds, however highly lauded, that does not show a decided improvement, in its leading characteristics, over pre-existing kinds. Our constant aim is to supply seeds of the very choicest quality only, and we spare no pains to accomplish this end. Florists, Amateurs, and all who use flower seeds, can rely on our seeds being the **VERY BEST** that it is possible to procure, and it is impossible to over-rate the importance of this fact.

SEEDS BY MAIL, POST-PAID. ALL FLOWER SEEDS ARE SENT BY MAIL, POST-PAID, AT THE PRICES QUOTED.

LIBERAL PREMIUMS!

On all orders for flower seeds in packets, the purchaser may select twenty-five cents' worth extra for every dollar sent us. Thus—anyone sending us a dollar, may select seeds amounting to \$1.25; for \$2.00, seeds to the value of \$2.50, and so on. Please tell your friends of our liberal offer. This discount applies to packets only. Postage stamps received the same as cash.

ABRONIA.

Charming trailer, with beautiful verbenalike clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging-baskets. *Annuals.*

Umbellata.—Rosy-lilac, fragrant. Half foot. Packet 5 cents, ounce 75 cents.

Arenaria.—Yellow. Half foot. Pkt. 5 cents, ounce \$1.00.

ABUTILON.

Desirable plant for conservatory or house culture, with bell-shaped flowers. Grows rapidly in sandy loam, and is very effective when plunged in the border in summer. *Half-hardy shrubs.*

Extra Fine Mixed.—From new fertilized sorts. Pkt. 25c.

ABOBRA.

Viridiflora.—A handsome climber, with dark-green foliage, and small, glossy, scarlet fruit. Roots may be kept like the dahlia in winter. *Half-hardy perennial.* Packet 5 cts., ounce 75 cents.

ACACIA.

Graceful, ornamental plants, that may be employed for outdoor decoration in summer, and conservatories in winter. Succeed best in sandy loam. *Greenhouse shrubs.*

Mixed Varieties.—Packet 10 cents, ounce \$1.00.

Lophantha.—A very fine variety of this ornamental plant. Packet 10 cents, ounce \$1.00.

ACHILLEA.

Ptarmica, fl. pl.—Free flowering, hardy, herbaceous plant, with double white flowers; splendid for cutting. One foot. Packet 10 cts., ounce \$1.00.

ACROCLINIUM.

One of the most beautiful and valuable of the everlasting flowers, and grown extensively for winter bouquets. Sow in hot-beds, and transplant. *Annuals.*

Album.—Single white. One foot. Packet 5 cts., ounce 30 cts.

Album, fl. pl.—Double white. One foot. Packet 10 cents.

Roseum.—Single bright rose One foot. Packet 5 cts., ounce 30 cts.

Roseum, fl. pl.—Double rose. One foot. Packet 10 cents.



AGROSTEMMA CORONARIA.



ACROCLINIUM ROSEUM.

ADLUMIA (*Mountain Fringe*).

A beautiful perennial climber, with elegant foliage, resembling the maiden-hair fern. Sow the seed in May where they are to remain, and they will bloom the following season.

Cirrhusa.—Pink. Ten feet. Packet 5 cents, ounce \$1.50.

ADONIS.

Handsome plants with showy flowers, and of easy culture in any soil. Seed should be sown early.

Festivals (Fls. Adonis).—Scarlet. *Annual.* One foot. Packet 5 cents, ounce 50 cents.

Vernalis.—Yellow. *Perennial.* One foot. Pkt. 5c., oz. 50c.

Autumnalis.—Crimson. *Annual.* One ft. Pkt. 5c., oz. 50c.

AGERATUM.

Fine plants for massing outside, and valuable for winter blooming in the house. Prized by florists for cut flowers. *Annuals.*

Lasseauxii.—Very fine; rose color. 1½ ft. Pkt. 5c., oz. \$1.50.

Mexicanum Album.—White. 1½ ft. Packet 5 cts., ounce 50c.

Mexicanum Blue.—1½ feet. Packet 5 cents, ounce 50 cents.

Mexicanum Imp1 Dwarf. Dark blue. 1 ft. Pkt. 5c., oz. 75c.

Mexicanum Imp1 Dwarf. White. 1 ft. Pkt. 5c., oz. 75c.

Mexicanum Little Dorritt. Azure blue; very floriferous. Packet 5 cents, ounce \$1.50.

AGROSTEMMA.

Handsome, free flowering, attractive border plants, at home in any garden; excellent for cut flowers.

Coronaria Atrorosea (*Rose Campion*).—Crimson. *Perennial.* 2 ft. Pkt. 5 cts., oz. 50c.

Coronaria Alba.—White. *Perennial.* Two feet. Packet 5 cents, ounce 50 cents.

Colt Rosa (Rose of Heaven). Deep rose. *Annual.* One foot. Packet 5 cents, ounce 35 cents.

Colt Rosa Alba.—White. *Annual.* 1 ft. Pkt. 5c., oz. 35c.

ALLIUM.

The following varieties of this family are hardy, bulbous-rooted plants with very showy flowers. *Perennials.*

Azureum.—Azure blue in umbels. One foot. Packet 10 cents, ounce \$2.00.

Neapolitanum—White in umbels, 1 ft. Pkt. 10c., oz. \$1.50.



ABRONIA UMBELLATA.



ADLUMIA CIRRHOSA.



SWEET ALYSSUM.



AMARANTHUS TRICOLOR.



AMARANTHUS CAUDATUS.

ALONSOA (Mask-Flower).

Very ornamental, either in the greenhouse or outside in summer. Very desirable in the garden for the brilliancy of their flowers. Succeeds in any light, rich soil. *Annual.*
Albiflora.—White. Very constant and fine. One foot. Packet 5 cents, ounce 50 cents.
Linifolia.—Scarlet. Pyramidal habit, and very free flowering. One foot. Packet 5 cents, ounce 50 cents.
Myrtifolia.—Scarlet. Myrtle-shaped leaves. Pkt. 5c., oz. 50c.
Warczewiczii.—Brilliant scarlet. Packet 5 cents, ounce 50 cents.

ALYSSUM.

Neat and ornamental species; well adapted for rock work, flower-beds, and borders. Makes an excellent pot plant for winter, and very desirable for window boxes. *Hardy.*
Benthani (*Sweet Alyssum*).—White. *Annual.* Half foot. Packet 5 cents, ounce 50 cents.
Benthani Compactum.—New; very pretty; white. Packet 5 cents, ounce 75 cents.
Saxatile Compactum.—Deep golden-yellow; half foot. *Perennial.* Packet 5 cents, ounce 75 cents.
Scerpylophyllum.—Yellow; very dwarf. *Perennial.* Packet 5 cents, ounce \$1.00.

AMARANTHUS.

Foliage plant, with very handsome leaves and flowers. The foliage is most brilliant and striking in nearly all the varieties, rendering them objects of great beauty for the summer garden. Of easy culture. *Annuals.*
Bicolor ruber.—Carmine-scarlet. Splendid. Three to five feet. Packet 5 cents, ounce 35 cents.
Caudatus (*Love-lies-bleeding*).—Crimson. Three feet. Packet 5 cents, ounce 35 cents.
Crucentus (*Princes' Feather*).—Scarlet. 3 ft. Pkt. 5c., oz. 35c.
Hendleri.—Beautiful leaf-markings. Splendid. Three feet. Packet 5 cents, ounce \$1.00.
Melancholicus Ruber.—Dark foliage. Very ornamental. Two feet. Packet 5 cents.
Salicifolius (*Fountain Plant*).—Highly-colored drooping foliage. Four feet. Packet 5 cents, ounce \$1.00.
Tricolor—(*Joseph's Coat*).—Red, yellow, and green. Very ornamental. Three feet. Packet 5 cents, ounce 35 cents.

AMMOBIUM.

Charming annual everlasting, with small, white flowers. Easily grown in ordinary garden soil. Sow the last of May. *Hardy.*
Grandiflorum.—White. The best sort. Two feet. Pkt. 5c.

AMPELOPSIS (Boston or Japanese Ivy).

A most popular, hardy vine. Rapid grower, and clings tenaciously to all stone surfaces. A great attraction on many city residences throughout the country.

Veitchii.—The true Japanese or Boston Ivy. Packet 10 cents, ounce \$1.50.

(For prices of plants of this charming vine, see end of catalogue).

ANAGALLIS (Pimpernel).

Very handsome dwarf plants. Excellent for borders and rock work. *Annual.* Half foot. Mixed sorts. Large flowering. Packet 5 cents.

ANEMONE (Wind Flower).

Handsome, hardy perennials, succeeding well in rich loam, well drained.

Chinensis.—Single. Mixed colors. Half foot. Packet 5c.
Fulgens.—Single. Rich scarlet. Very handsome. One foot. Packet 20 cents.

Japanica.—Single. Fine rose. Autumn flowering. Two and one-half feet. Packet 10 cents.

Japanica Alba (*Honorine Jobert*).—Single. White flowering. Two and one-half feet. Packet 10 cents.

ANGELONIA.

A tender perennial. Excellent as a pot plant for window or greenhouse, and very ornamental for the summer garden.

Grandiflora.—Scarlet, with white spots. Cup-shaped. Borne on long spikes. One and one-half feet. Packet 20 cents.

ANTIRRHINUM (Snap dragon).

Very pretty free-flowering plants. One of the best annuals for beds and borders. Grows well in ordinary soil.

Majus Mixed.—Fine colors. Two feet. Packet 5c., oz. 60c.
Nanum Mixed.—New blotched varieties. One foot. Packet 5 cents, ounce 75 cents.

Tom Thumb.—Very dwarf; beautiful colors. Height nine inches. Packet 5 cents, ounce 75 cents.

AQUILEGIA (Columbine).

Showy, hardy, herbaceous perennials. Highly prized as border plants, and easily grown in light loam, well drained. Some of the recent introductions are very beautiful. *Glandulosa Vera* is one of the most beautiful hardy plants in cultivation.

Californica Hybrida.—Golden-yellow; sepals and spurs red. Two feet. Packet 10 cents, ounce \$2.00.

Double Carnation Striped.—Very beautiful. Two feet. Packet 25 cents.

Chrysantha.—Golden-yellow. Two feet. Packet 5 cents, ounce \$1.00.

Cœrulea Hybrida.—Blue and white; large and beautiful. Two feet. Packet 10 cents, ounce \$2.50.

Glandulosa Vera.—Very large dark-blue flowers, with pure white corolla. Most beautiful. Two feet. Packet 25c.

Jaeschkani.—Large yellow flowers, with red spurs. Splendid. Packet 20 cents.

Skimmeri.—Scarlet, tipped with yellow; very fine. Two feet. Packet 10 cents, ounce \$2.50.

Vervœneana Double Violet.—Very double, dark violet flowers, and variegated foliage. Beautiful. Two feet. Packet 10 cents, ounce \$2.00.

Single Mixed.—Finest sorts. Packet 5 cts., ounce 50 cts.

Double Mixed.—Finest sorts. Packet 5 cents, ounce 75 cents.

ARABIS.

Alpha.—An early, spring-flowering, hardy, herbaceous plant. Excellent for borders or rock work. Pure white. Height nine inches. Packet 5 cents, ounce \$1.00.

ARGEMONE (Prickly Poppy).

Grandiflora.—Pure white flowers, resembling a poppy. Very ornamental. Annual of easy culture. Two and one-half feet. Packet 5 cents, ounce 50 cents.

ARISTILOCHIA (Dutchman's Pipe).

Sipho.—A splendid hardy climber for covering walls, trellises, etc. Flowers brownish-purple; leaves large and glossy. *Perennial.* Thirty feet. Packet 10 cents.

Elegans.—An elegant new variety, with flowers of a dark-purple and white produced in great profusion. Packet 25 cents.

ARTEMESIA.

Gracilis.—Foliage plant. Very decorative and useful. *Annual.* Packet 5 cents, ounce 50 cents.

ASPERULA.

Odorata (*Woodruff*).—White; fragrant. *Perennial.* One foot. Packet 5 cents, ounce \$1.00.

Azurea Setosa.—Blue; very beautiful and fragrant; grows well in shady places. *Annual.* One foot. Packet 5 cents, ounce 40 cents.

GARDINERS "SUPERB"

FRENCH AND GERMAN ASTERS.



1. LARGE ROSE-FLOWERED ASTER.

2. COCARDEU, OR CROWN ASTER.

3. TRUFFAUT'S PEONY-FLOWERED PERFECTION ASTER.

4. NEW LARGE-FLOWERED VICTORIA ASTER.

5. NEW CHRYSANTHEMUM-FLOWERED ASTER.

Gardiner's "Superb" French and German Asters.

The vast improvement made during the last few years by the English, French, and German growers of this showy and popular favorite, is amazing, and we cannot praise their skill and industry too highly. The many different races are distinguished either for size of flower, variety of color, diversity of form, or general excellence, and we catalogue only the very cream of the almost endless varieties that are grown. Our seeds are imported by us direct from the most celebrated Continental growers, and we can confidently recommend them for purity and excellence. If you want richness and beauty, give our strains a trial, and we feel assured you will be delighted with their fine quality.

Culture.—Seed should be sown early in spring in a hot-bed or window-box, and transplanted in May, to the open ground about one foot apart, in rich, loamy soil. For late flowering, seed may be sown in the open ground from the 1st to the 10th of May. As the Aster makes its roots near the surface, a mulching of straw or litter is beneficial during growth. To get the finest blooms for exhibition, all the side shoots should be pinched off, so as to send the full vigor of the plant into the six or seven remaining heads.

☞ The varieties are catalogued according to their height, commencing with the dwarfest and ending with the tallest.

DWARF GERMAN.

Very dwarf variety, profuse bloomer, and excellent for pots; *mixed colors*. Packet 10 cents, ounce \$1.75. Collection of six colors, 40 cents. Collection of twelve colors, 75 cents.

SHAKESPEARE.

Very handsome dwarf variety, brilliant and showy; *mixed colors*. Packet 10 cents, ounce \$2.50. Collection of six colors, 40 cents.

BOLTZE'S DWARF BOUQUET.

One of the finest dwarf Asters, very profuse bloomer; *mixed colors*. Packet 10 cents, ounce \$3.00. Collection of four colors, 35 cents. Collection of eight colors, 60 cents.

DWARF PYRAMIDAL BOUQUET.

Fine pyramidal habit, brilliant colors, elegant; *mixed colors*. Packet 10 cents, ounce \$3.00. Collection of six colors, 40 cents. Collection of twelve colors, 75 cents.

DWARF CHRYSANTHEMUM.

Immense flowers, showy colors, compact habit; *mixed colors*. Packet 10 cts., ounce \$3.00. Collection of six colors, 50 cents. Collection of twelve colors, 90 cents.

DWARF VICTORIA.

Resembles the Victoria except in height, which is only about twelve inches. The flowers are equally as large and brilliant; *mixed colors*. Pkt. 10c., ounce \$3.50. Collection of eight colors, 75c.; *pure white*, 15c.; *bright crimson*, 15c.

LILIPUT.

New and charming variety with small flowers produced in great abundance; *mixed colors*. Packet 10 cts., ounce \$1.50; *pure white*, packet 15 cents, ounce \$5.00. Collection of six colors, 35 cents.

LARGE-FLOWERED ROSE.

Beautiful variety of branching habit, large double flowers of brilliant colors; *mixed colors*. Packet 10 cents, ounce \$3.00; *dark scarlet (new)*, packet 15 cents, ounce \$4.00. Collection of six colors, 40 cents. Collection of twelve colors, 75 cents.

VICTORIA.

Of pyramidal form, large brilliant flowers, beautifully imbricated, the handsomest Aster in cultivation; our strain is extra fine; *mixed colors*. Packet 10 cents, ounce \$3.50; *pure white*, packet 15 cts., ounce \$4.00; *crimson*, packet 15 cents, ounce \$4.00; *light blue*, packet 15 cents, ounce \$4.00; *rose*, packet 15 cents, ounce \$4.00. Collection of six colors, 60 cents. Collection of twelve colors, \$1.00. Collection of eighteen colors, \$1.50. **Needle Victoria.**—*Mixed colors*; packet 15 cents, ounce \$4.00. Collection of six colors, 75 cents.

MIGNON.

A beautiful pure-white variety, like the Victoria in form and habit, but a more profuse bloomer and very refined in form. Packet 15 cents, ounce \$5.00.

IMBRICATED POMPON.

Exquisitely formed Pompon flowers; splendid. Packet 15 cents, ounce \$3.50. Collection of six colors, 50 cents. Collection of twelve colors, 90 cents.

Truffaut's Pæony-Flowered Perfection.

This is the most perfect type of Pæony-Flowered Aster in cultivation; in habit, form, size, and color it is unrivaled; *mixed colors*. Packet 15 cents, ounce \$3.50; *scarlet*, packet 15 cents, ounce \$4.00; *pure white*, packet 15 cents, ounce \$4.00. Collection of six colors, 40 cents. Collection of twelve colors, 75 cents. Collection of eighteen colors, \$1.25. **La Superbe.**—*Rose, sky-blue, and white*. Each, packet 15 cents, ounce \$4.00.

CROWN (White Centred or Cocardeu).

Large, white-centred flowers, forming a beautiful contrast to the brilliant-colored outer petals. Packet 10 cents, ounce \$3.50. Collection of six colors, 60 cents.

BETTERIDGE'S QUILLED.

The finest type of quilled Aster, very double and beautifully quilled; *mixed colors*. Packet 5 cents, ounce \$1.00. Collection of six colors, 25 cents. Collection of twelve colors, 45 cents.

GOLIATH.

Immense flowers, very double; *mixed colors*. Packet 10 cents, ounce \$2.50. Collection of six colors, 40 cents.

HEDGEHOG OR NEEDLE.

A splendid variety with large flowers, and long, sharply-pointed petals; *mixed colors*. Packet, 10 cents, ounce \$2.50. Collection of six colors, 45 cts. Collection of twelve colors, 80 cents.

GIANT EMPEROR.

A variety of large proportions and robust habit, bearing a single immense flower on each stem, very double; *mixed colors*. Packet 15 cents, ounce \$5.00. Collection of six colors, 75 cents.

WASHINGTON.

The largest Aster grown, bearing flowers four to five inches in diameter and very double; splendid for exhibition; *mixed colors*. Packet 15 cents. Collection of six colors, 60 cents.

☞ **Comet, Dwarf Queen, Prince of Wales, Zirn-giebels White, Triumph**—See Novelties.

AUBRIETIA.

A charming early spring perennial sometimes called *Blue Alyssum*, indispensable for edgings, rock-work, or small beds. **Græca.**—Blue, dwarf, fine. Height 9 in. Pkt. 5c., oz. \$1.00. | **Eyrit.**—Dark blue, charming. Packet 10 cts., ounce \$3.00.

BALSAM.



NEW CAMELLIA-FLOWERED BALSAM.

BALLOON VINE (*Cardiospermum*.)

A charming climber; remarkable for its inflated capsule, from which the name, "balloon vine," is derived. *Annual*. Packet 5 cents, ounce 50 cents.

BAPTISIA.

Australis.—A beautiful hardy perennial, with pea-shaped flowers of a charming bright blue. Two feet. Packet 5 cents, oz. 75 cents.

BARTONIA.

Aurea.—Very showy annual, with beautiful golden-yellow flowers, having a peculiar metallic lustre under sunshine. One foot. Pkt. 5c., oz. 50c.

BEGONIA.

During the past few years, a vast improvement has been made in this family, especially in the tuberous-rooted section. These now rank among the best of the summer bedding plants, their gorgeous flowers being produced in the greatest profusion all summer. They grow very readily from seed, which should be started in heat early in spring, in boxes of finely prepared soil, and, when large enough, transplanted to a shady border, or planted out in masses on the lawn. The seeds are very small, and have to be sown with exceeding care. The bulbs of the tuberous-rooted kinds may be kept over winter in a warm cellar. Excellent pot plants for the conservatory or sitting-room. *Tender perennials*.

Tuberous-Rooted Single and Double.—A superb mixture of the finest single and double varieties. Packet 50 cents.

Frobeli.—A splendid variety, with brilliant scarlet flowers and elegantly variegated foliage. Packet 50 cents.

Pearl.—Fine variety for bedding. Beautiful bright yellow flowers and handsome foliage. Packet 50 cents.

Mont Blanc Improved.—An improved strain of this popular pure white variety, with larger flowers and very neat habit. Packet 50 cents.

Metallica.—Handsome metallic foliage and rose-colored flowers. Very attractive. Packet 50 cents.

Rex.—These are the popular ornamental-leaved varieties so popular as pot plants for all kinds of decoration. The foliage is particularly striking and handsome. The seed offered is saved from an extensive and famous German collection. Packet 50 cents.

BRACHYCOME (*Swan River Daisy*).

In habit of growth somewhat resembling the Daisy. Has handsome flowers borne in great profusion. The habit is neat and compact, making it an excellent plant for rockeries and similar situations. Grows best in a mixture of loam and peat. Height 9 inches. *Annual*.



BEGONIA REX (*Fancy-leaved*).



BELLIS PERENNIS, FL. PL.—(*English Daisy*).

BELLIS PERENNIS (*Double English Daisy*).

As an edging for shady borders, and as pot plants, these handsome hardy perennials are unsurpassed. They require a liberal covering of brush or a cold frame to protect them during the winter. Seed for autumn-flowering may be sown in May, and for spring-flowering in September. The strains we offer are remarkable for the size and doubleness of their flowers, and much superior to that generally offered. *Perennials*.—Half foot.

Double White.—Pure white. Very double. Packet 15 cents, ounce \$5.00.

Double Red.—Fine bright red. Packet 15c., ounce \$5.00.

Double Rose.—Dark rose; extra. Packet 15c., oz. \$5.00.

Double Longfellow.—Rose; new and fine. Packet 15 cents, ounce \$5.00.

Double Extra Choice Mixed.—Packet 15c., ounce \$5.00.

BIGNONIA (*Trumpet Vine*).

Radicans.—A splendid hardy perennial climbing vine, with large and beautiful trumpet-shaped flowers. Blooms in August the second year from seed. Packet 25 cents.

BOCCONIA.

Japonica.—A stately and picturesque plant, with large handsome foliage. It grows to a height of six feet, and makes an elegant subject for growing in clumps or for borders. The flowers are white, and borne in spikes. Free flowering and perfectly hardy. *Perennial*. Pkt. 10 cents, oz. \$2.00.

BROWALLIA.

Very pretty for pots, baskets, and edgings, and unsurpassed for cutting. Flowers all summer in great profusion. Succeeds best in light, rich loam. *Annuals*. Height one and one-half feet.

Abbreviata.—Deep rose. Pkt. 15 cents.

Elata grandiflora.—Blue, large flowered. Packet 5 cents, ounce \$1.00.

Elata alba.—White. Packet 5 cents, ounce \$1.00.

Roezii.—Large flowers, some white, some blue; beautiful for pot culture and bedding. Packet 15 cents.

Fine Mixed.—Packet 5 cents, ounce \$1.00.

BRYONOPSIS.

Erythrocarpa.—A most beautiful climber belonging to the family of ornamental cucumbers, and having very handsome foliage and fruit. Height ten feet. Packet 5 cents., ounce 50 cents.

CACALIA (*Tassel Flower*).

One of the handsomest and easiest grown annuals, producing its beautiful flowers in the greatest profusion. Sow in rich sandy loam, in the open ground, where the plants are to remain. Height one and one-half feet.

Coccinea.—Bright scarlet. Packet 5 cents, ounce 50 cents.

Lutea.—Golden-yellow. Packet 5 cents, ounce 50 cents.

CALAMPELIS (*Eremocarpus*).

Scabra.—A handsome climber with conspicuous bright orange flowers and beautiful light-green foliage. It is a perennial, flowering the first season from seed. The roots may be wintered in a cold frame or pit. Height 10 feet. Packet 10 cents, ounce \$1.50.



BRACHYCOME (*Swan River Daisy*).

CALANDRINIA.

Umbellata.—A dwarf-growing annual with bright crimson flowers, succeeding well in light, dry soil; started early in heat, and planted out in May or June, will bloom profusely all summer—"a blaze of beauty under the summer sun." Packet 5 cts., ounce \$1.00.

CALCEOLARIA.

These popular favorites are unsurpassed for pot culture in the green-house or conservatory, producing their brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, for their size, and for richness, diversity, and delicacy of coloring. Seed may be sown either in February or August, in light, rich, well-sifted soil, and frequently transplanted. An eight-inch pot will do for the plant when full size for blooming. *Tender perennials.* Height one foot.

Grandiflora Self's Tigers and Stripes Mixed.—Saved from a prize German collection; a splendid strain. Packet 50c.
Thompson's "Dalkeith Park" Strain.—Famous for richness and variety; this strain is unsurpassed, and cannot be recommended too highly. Packet 50 cents.

CALENDULA (Pot Marigold).

These are showy, free flowering, and easily grown annuals, excellent subjects for beds, borders, or for growing in pots, and extensively used by florists for cut flowers. Will grow well sown in May in ordinary garden soil. Height 1½ feet.

Le Proust.—Double, nankeen color, comes true from seed. Packet 5 cents, ounce 40 cents.
Meteor.—Double, light, orange-striped. Packet 5 cents, ounce 40 cents.

Prince of Orange.—Darker orange than "Meteor." A fine variety. Packet 5 cents, ounce 40 cents.

Superba.—Double, rich yellow, dark eye. Packet 5 cents, ounce 40 cents.

Fine Mixed.—Packet 5 cents, ounce 40 cents.

CALLIOPSIS, OR COREOPSIS.

Showy genus of hardy annuals and perennials, succeeding well in ordinary garden soil.

Bicolor Mixed.—*Annual.* 1½ feet. Packet 5 cents, ounce 50 cents.

Cardaminifolia.—Dwarf, crimson. *Annual.* Ounce 50 cents. Packet 5 cents, ounce 50 cents.

Drummond.—Yellow and red. *Annual.* 1½ feet. Packet 5 cents, ounce 50 cents.

Verticillata.—Yellow, free-flowering. *Perennial.* 1½ feet. Packet 5 cents, ounce \$1.00.

Mixed Annual Sorts.—Very choice. Packet 5 cents, ounce 50 cts.

CALLIRHOE.

Pedata nana.—An elegant annual resembling the *Scarlet Linum* in habit, and bearing deep-rose flowers in great profusion. Commences to bloom when half grown, succeeds best in rich soil. Height one foot. Packet 5 cents, ounce \$1.00.

CARDIOSPERMUM.—See Balloon Vine.

CARNATION.—See Dianthus.

CASTILEJA.

Indivisa.—A new annual; one of the most remarkable of recent introductions, producing brilliant scarlet-crimson flower-bracts very rich in color. Packet 20 cents.

CAMPANULA (Canterbury Bell, Bell Flower).

A genus of showy border plants, which includes the well-known Canterbury Bell among its members. They comprise great richness in coloring, and much diversity in habit and form, while their freedom of bloom is all that can be desired, thus making them excellent subjects for the flower border and similar situations. They succeed well in rich soil, and are of the easiest cultivation.

Carpatia.—Blue, very fine. *Perennial.* 1 ft. Pkt. 5c., oz. 50c.

Carpatia alba.—A white variety of the preceding. Pkt. 5 cents, ounce 50 cents.

Lentweini.—Pure white, very fine. *Perennial.* Two feet. Packet 25 cents.

Loreyi.—Blue and white mixed. *Annual.* One foot. Packet 5 cents, ounce 75 cents.

Macrostyia.—Handsome large violet flowers, remarkably fine sort. *Annual.* Packet 15c.

Media.—The Canterbury Bell. *Biennial.* Height 2½ ft. *Single blue, white, rose, striped, and mixed.* Each, per packet, 5 cts., ounce 50 cents. *Double white, blue, rose, and mixed.* Each, per packet, 5 cents, ounce \$1.00.

Media calycanthera.—A very fine cupped form of the Canterbury Bell, *blue, white, lilac, and mixed.* Each, pkt. 10c., oz. \$1.50.

Nobilis.—An elegant variety with drooping flowers three inches in length. *Perennial.* Height 2½ feet. *Blue and white.* Each, packet 25 cents.

Persicifolia.—A splendid variety for cutting. *Perennial.* Height 2½ feet. *Blue and white.* Each, packet 10 cts., ounce \$1.50.

Speculum.—The well-known "Venus looking-glass;" excellent for bedding. *Annual.* Height ½ foot. *Single blue and white.* Each, packet 5 cents, ounce 50 cents. *Double blue,* packet 10 cents, ounce \$2.00.

Speculum procumbens.—A fine spreading variety of the preceding, should be planted one foot apart; *blue, white, lilac, and mixed.* Each, pkt. 5c., oz. 50c.

Turbinata.—Flowers 2 inches in diameter, very desirable. *Perennial.* *Deep-purple,* pkt. 5c., oz. 50c. *Pure white,* packet 25c.

Vidali.—Large racemes of waxy white flowers, very broad, drooping, elegant for the green-house or summer garden. *Tender perennial.* Pkt. 15c., oz. \$3.50.

Perennial sorts mixed.—Packet 5 cents, ounce 50 cents.

Annual sorts mixed.—Pkt. 5 cents, ounce 50 cents.

CANARY BIRD VINE.—See Tropaeolum.

CANDYTUFT.—See Iberis.

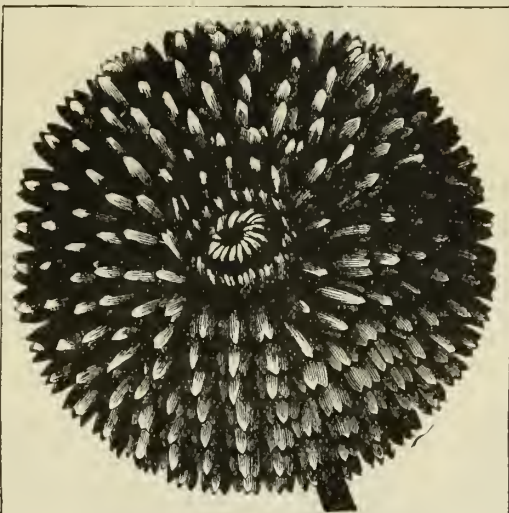
CANNA.

A genus of highly ornamental plants, remarkable for 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. The roots may be kept through the winter like Dahlias. *Half-hardy perennials.*

Fluc mixed.—Four to eight feet. Packet 5 cts., ounce 50 cts.

Crozy's new mixed.—A remarkable new race with strikingly handsome flowers and foliage. Packet 15c., ounce \$3.00.

CANTERBURY BELL.—See Campanula Media.



CALENDULA "METEOR."



CAMPANULA MEDIA (Canterbury Bell).



CALCEOLARIA.

Thompson's "Dalkeith Park" strain.

CATANACHE.

A class of very handsome hardy perennials, remarkable for freedom of bloom and ease of culture. Excellent subjects for drying for everlasting flowers. Succeed in any ordinary garden soil.

Coccullea.—Blue. Two feet. Packet 5 cents, ounce 50 cts.
Coccullea alba.—White. Two feet. Packet 5 cts., ounce 50 cts.

CASTOR OIL PLANT.—See Ricinus.

CATCHFLY.—See *Silene Armeria*.

CELOSIA (*Cockscomb*).

Magnificent free flowering, graceful growing plants, producing, in the greatest profusion, their beautiful flowers in combs and feathery spikes. Seed should besown early, and planted out in June, in light, rich soil. Grown in pots they are one of the most elegant plants for conservatory decoration. *Annuals*.

Cristata nana mixed.—A choice mixture of the newest dwarf crested varieties, embracing the most brilliant colors. One foot. Packet 10 cents, ounce \$2.00.

Cristata nana, "Glasgow Prize."—A splendid distinct dwarf variety, with dark foliage and crimson combs. One foot. Packet 15 cts., ounce \$3.00.

Cristata nana Empress.—A large and effective variety with bright-crimson combs and dark foliage. One foot. Packet 15 cents, ounce \$5.00.

Huttoni.—A beautiful variety with dark foliage. Two feet. Packet 15 cents, ounce \$2.50.

Japonica.—A beautiful class with delicately-cut combs, like ruffled lace, and of the most brilliant and charming colors. Two ft. Packet 10c., ounce \$1.50.

Pyramidal's plumosa mixed.—Feathery spikes, violet, gold, and crimson, very fine. Three feet. Packet 5 cts., ounce 75 cents.

CENTRANTHUS.

Macrosiphon nanus mixed. Effective free-flowering plants of neat, compact habit. Excellent for ribbons or beds, and growing well in ordinary garden soil. *Annuals*. 1½ feet. Packet 5 cents, ounce 50 cents.

CERASTRIUM (*Snow in Summer*).

Biebersteini.—Silver-leaved, plant admirably adapted for edgings, rock-work, etc. *Perennial*. Height 3 inches. Packet 10 cents, ounce \$1.50.

CHAMAPEUCE (*Fish-bone Thistle*).

Diantha.—An ornamental silvery-foliaged plant with elegantly cut foliage, very fine. *Perennial*. Height six inches. Packet 5 cents, ounce 75 cents.

CHAEMEROPS (*Palm*).

Excelsa.—One of the finest palms for decorative purposes, with handsome spreading fan-shaped leaves. *Perennial*. Height two feet. Packet 25 cts.

CHERIRANTHUS (*Virginian Stock*).

Maritimus.—Handsome free-flowering, hardy annual; splendid for edgings. Height six inches. *Red, white, Crimson King,* and *Fairy Queen*. Each, packet 5 cents, ounce 50 cents.

CENTAUREA.

A very valuable and interesting genus, remarkable for the showy free-flowering habit of some of its members, and the beautiful silvery foliage of others. *Centaurea cyanus*, the

"Bachelor's Button," *C. moschata*, the "Sweet Sultan," and *C. americana* the "Basket Flower," are among our most valuable plants for bedding, and are extensively used by florists for cut flowers. *C. clementi*, *candidissima*, and *gymnocarpa* are beautiful silvery-leaved sorts, and generally known as "Dusty Millers"—unsurpassed for ribbon borders. Succeed well in ordinary garden soil.

Americana.—Lilac-purple, showy. *Annual*. Two feet. Packet 5 cents, ounce 75 cents.

Candidissima.—Silver leaves, broadest and whitest of all the silvery sorts. *Half-hardy perennial*. One foot. Packet 10 cents, ounce \$6.00.

Clementi.—Silver leaves, finely cut and very white. *Half-hardy perennial*. One foot. Packet 10 cents, ounce \$2.00.

Cyanus mixed (Bachelor's Button).—*Annual*. Two feet. Packet 5 cents, ounce 40 cents.

Cyanus Emperor William. Very dark-blue, the finest of all the "Bachelor Buttons" Packet 5 cents, ounce 40 cents.

Depressa.—Blue, with red center. *Annual*. One ft. Packet 5 cents, ounce 40 cents.

Gymnocarpa (Dusty Miller). Silvery foliage, very graceful. *Half-hardy perennial*. One foot. Packet 10 cents, ounce \$1.50.

Moschata (Sweet Sultan).—Splendid. *Annual*. Two feet. *Blue, white, purple, and mixed*. Each, packet 5 cents, ounce 50 cents.

Sauveolens (Yellow Sweet Sultan).—Excellent for cut flowers. *Annual*. Two ft. Pkt. 5 cents, ounce 60 cents.

CHEIRANTHUS ANNUUS.

(See Stock.)

CHELONE.

Barbata Torreyi.—Pentstemon-like plant, with long racemes of handsome scarlet flowers, singularly beautiful. *Perennial*. Height two feet. Packet 5 cents, ounce 75 cents.

CH'ONODOXA (*Glory of the Snow*).

Lucille.—Produces, on every stem, twelve to sixteen lovely sky-blue flowers, with a conspicuous white centre. Useful for pots, and can be used with charming effect in edging, massing, or rockwork. *Bulbous perennials*. Height six inches. Packet 25 cents.

CHLORA.

Grandiflora.—A very pretty plant, with brilliant yellow flowers. *Hardy biennial*. Height 1 foot. Packet 10 cents, ounce \$1.50.

CLEMATIS.

Rapid-growing, free-flowering climbers, admirably adapted for covering verandas, trellises, arbors, etc. The seeds require a considerable time to germinate. *Hardy perennials*.

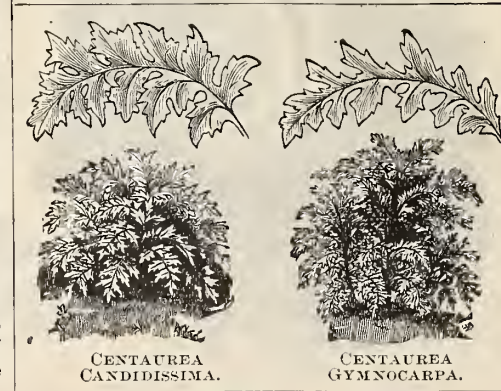
Jackman's New Hybrids. Saved from Mr. Jackman's celebrated collection. Packet 15 cents.



CELOSIA "GLASGOW PRIZE" (*Cockscomb*).



CELOSIA PYRAMIDALIS PLUMOSA.



CENTAUREA CANDIDISSIMA.

CENTAUREA GYMNOCARPA.

CHRYSANTHEMUM.

The annual varieties of the Chrysanthemum are among the most showy and effect-

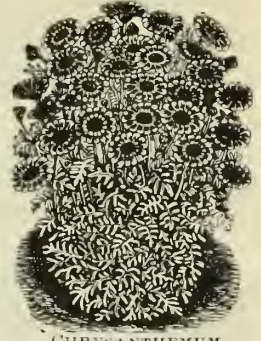


CHRYSANTHEMUM FRUTESCENS
(Paris Daisy).



CHRYSANTHEMUM INDICUM.

of seed is saved from a very fine prize collection comprising all the different forms and colors, and is certain to give unqualified satisfaction. Packet 25 cts.
Inodorum double white.—A perennial sort flowering the first season



CHRYSANTHEMUM TRICOLOR.

ive of our garden favorites. They are easily grown in ordinary garden soil, and will bloom profusely all summer, giving an abundant supply of cut flowers, and they are also useful for pot plants during the winter. Indicum, the well-known Chinese, Japanese, and Pompon Chrysanthemums requires to be sown in heat early in the season. Succeeds best in equal parts of rich loam and well-rotted manure.

Tricolor album.—Single white. Annual. 1½ feet. Pkt. 5c., oz. 50c.

Tricolor burridgeanum.—Single white with crimson band and yellow center. Annual. 1½ feet. Packet 5 cents, ounce 50 cents.

Tricolor Duncans, Double White and Double Yellow.—Free flowering. Annual. 1½ feet. Each, packet 5 cents, ounce 50 cents.

Tricolor Eclipse.—Single golden yellow, dark brown disk and purple ring. Annual. 1½ feet. Packet 5 cents, ounce \$1.00.

Tricolor Golden Feather.—New golden leaved variety; single white flowers with crimson and yellow rings and dark center. Annual. 1½ feet. Packet 5 cents, ounce \$1.50.

Tricolor Lord Beaconsfield.—Single crimson maroon edged with gold. Annual. 1½ feet. Packet 5 cents, ounce \$1.00.

Tricolor The Sultan.—Single deep crimson, gold band next the center. Annual. 1½ ft. Pkt. 5c., oz. \$1.

Tricolor purpureum.—Single deep crimson. Annual. 1½ feet. Packet 5 cents, ounce 50 cents.

Tricolor Fine Mixed.—Single and double sorts. Packet 5 cents, ounce 50 cents.

Coronarium double lemon and double white.—Splendid for cutting. Annuals. 1½ feet. Each, pkt. 5c., oz. 75c.

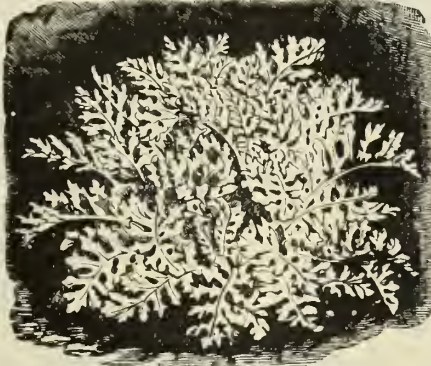
Frutescens (The Paris Daisy, or Marguerite).—Golden and white. Each, packet 10 cts., ounce \$2.50.

Indicum.—The well-known variety for pot and greenhouse culture; remarkable for diversity of form and color. The varieties are numerous and are divided by florists into various classes, "Chinese," "Pompon," "Japanese," etc. Our strain

from seed and producing fine double white flowers, excellent for bouquets. Packet 10 cents, ounce \$2.00.

CINERARIA.

The Cineraria is one of our most popular plants; the hybrid varieties making elegant subjects for conservatory decoration during winter, being of neat habit and very free flowering and producing their most brilliant flowers in great variety of color; while the silver leaved sorts are invaluable for edging in the summer garden, being almost as much used for this purpose as the Centaurea, and like the Centaurea familiarly known as "Dusty Miller's." The hybrid varieties are usually sown either in September or February in a mixture of leaf-mould, loam, and sand, and potted off when large enough. The silver foliage sorts are sown in February or March, and are planted out about first of June in ribbon borders or as edgings to beds.



CINERARIA CANDIDISSIMA.

Acanthifolia.—Fine silvery foliage. 1 foot. Packet 10 cts., oz. \$2.00.

Maritima.—Silver foliage very graceful. 1 ft. Packet 5c., oz. \$1.00.

Maritima candidissima.—Whiter leaves than Maritima. Packet 5 cents, ounce \$1.00.

Hybrida grandiflora.—James' & Wetherill's superb strain. Awarded many first premiums at the Metropolitan Exhibitions. Packet 25 cents.

CLARKIA.

Elegans alba.—Pure white. Two feet. Single and double. Annual. Each, packet 5 cents, ounce 50 cents.

Elegans Purple King.—A very fine double purple variety. Annual. Packet 5 cents, ounce 50 cents.

Elegans Salmon Queen. Similar to preceding, but of a beautiful salmon color. Annual. Pkt. 5c., ounce 50c.

Elegans mixed.—Annual. Packet 5 cents, ounce 50 cts.

Pulchella mixed.—In great variety of color and form. Annual. Packet 5c., oz. 50c.



CINERARIA.—James' & Weatherill's Superb Strain.



CLARKIA PULCHELLA.



CLARKIA ELEGANS.

CLIANTHUS (*Australian Glory Pea*).

One of the most magnificent plants in cultivation, with singularly beautiful foliage and magnificent clusters of long, drooping flowers, somewhat resembling a parrot's beak. Succeeds best in loam, peat, and sand mixed. Does well planted in a border of the conservatory, or will flourish against a south wall if protected from frost. *Perennial*.

Dampieri (*Glory Pea*).—Brilliant scarlet with a black blotch in the centre. Packet 25 cents, ounce \$6.00.

Punicus (*Parrot's Beak*).—Brilliant red, spotted with white. Packet 15 cents, ounce \$4.00.

CLINTONIA.

Elegans.—Handsome free-flowering plant with bright blue flowers; excellent for borders, baskets and rock-work. *Annual*. Height four inches. Packet 5 cents, ounce \$1.50.

COBŒA.

A magnificent quick growing climber with beautiful foliage and large bell-shaped flowers. The seeds should be planted edgewise in moist earth, and water withheld until the seeds sprout. Liable to rot if watered too freely. A covering of moss or litter to prevent a too rapid evaporation of moisture is beneficial. *Annual*.

Scandens.—Blue. Twenty feet. Packet 10 cents, ounce \$1.00.

Scandens alba.—White. Twenty feet. Packet 15 cents, ounce \$2.00.

COCKSCOMB.—See *Celosia*.

COLEUS.

A genus of ornamental leaved plants largely used for the decoration of beds and borders; excellent for massing. Our strain of seed is saved from a very fine collection, and will give many new and rare forms. Packet 25 cents.

COLLINSIA.

An exceedingly pretty free-flowering class of annuals from California. Fine for beds or ribbon borders.

Finest mixed.—Saved from the best sorts. One foot. Packet 5 cents, ounce 50 cents.

COLUMBINE.—See *Aquilegia*.

COSMIDIUM.

Burridgeanum.—A showy annual with large crimson and yellow flowers resembling a *Ceropepis*. Height two feet. Packet 5 cents, ounce 50 cents.

COSMANTHUS.

Fimbriatus.—A very pretty annual of spreading habit with lilac and white flowers very prettily fringed. Height one foot. Packet 5 cents, ounce 50 cents.

COSMOS.

Hybridus.—A magnificent race of plants growing about four feet in height, and in the fall literally covered with graceful flowers resembling single Dahlias, but neater and better for cutting. They are about two inches in diameter and range through all shades of rose, purple, flesh and pure white. Easily raised from seed and bloom the first season. *Perennial*. Packet 15 cents.

COWSLIP.—See *Primula*.

CRUCIANELLA.

Stylosa.—A very showy free-flowering perennial growing about a foot in height, and covered with charming pink flowers. Packet 5 cents, ounce 50 cents.

CUCUMIS (*Ornamental Cucumber*).

Fexuosus (*Snake Gourd*).—Very curious trailing annual with large foliage and long snake-like fruit. Packet 5 cents, ounce 50 cents.

Dipsaceus.—Tensal formed, sulphur yellow; elegant fruit. Packet 5 cents, ounce 50 cents.

Grossularis (*Gooseberry Gourd*).—One of the handsomest of this family. Packet 5 cents, ounce 50 cents.

CONVOLVULUS (*Morning Glory*).

The Morning Glory is so well known, and such a universal favorite for covering verandas, arbors, etc., that it requires no description. The dwarf varieties of Morning Glory are however not quite so well known, but are nevertheless one of the most showy and handsome annuals we have. They grow about a foot in height, and make excellent subjects for ribbon borders, massing, etc., producing their rich and brilliant flowers in great profusion.

Major finest mixed (*Morning Glory*).—Saved from the best varieties. *Annual*. Packet 5 cents, ounce 20 cents, quarter-pound 65 cents, pound \$2.00. Collection of ten colors, 40 cents.

Mauritanicus.—Blue; beautiful for hanging baskets and vases. *Perennial*. Packet 10 cents, ounce \$1.00.

Minor finest mixed (*Dwarf Morning Glory*).—Saved from the best varieties. *Annual*. Height one foot. Packet 5 cents, ounce 20 cents, quarter-pound 65 cents, pound \$2.00.

CUCURBITA (*Ornamental Cucumber*).

Argyrosperma.—Large fruit finely striped and mottled. Packet 5 cents, ounce 50 cents.

Leucantha.—Very long fruit of remarkable form. Packet 5 cents, ounce 50 cents.

COMMELINA.

Celestis.—Pretty free-flowering tuberous-rooted perennial, blooming the first season from seed. The roots may be kept through the winter like Dahlias. Height 1½ feet.

Blue and white. Each, packet 5 cents, ounce 75 cents.

CUPHEA (*Cigar Plant*).

A favorite bedding plant, which, if raised gentle heat and transplanted to the summer garden, will bloom profusely until the approach of frost, when they may be removed indoors, and will flower freely all winter. *Annual*.

Platycentra.—Red and purple. One foot. Packet 10 cents, ounce \$4.00.

Rocellii Grandiflora superba.—Large, very beautiful red flowers; free; splendid. Three feet. Packet 15 cents.

Strigulosa.—Yellow and red. Excellent for massing. Packet 10 cents, ounce \$3.00.

CYNOGLOSSUM.

Coclestinum.—Handsome, free-flowering, border plant, with blue flowers. Excellent for cutting. Easily grown in almost any soil or situation. *Annual*. Packet 5 cents, ounce 50 cents.

CYPRESS VINE.
See *Ipomoea*.**HOW TO GROW PERFECT CYCLAMENS.**

The grand and continually increasing improvements in the Cyclamen within the past few years have made those that have seen them almost wonder. It stands at present as a decorative pot-flowering plant without a rival. The result is no doubt due to the untiring efforts of those English market growers, such as Clark, Smith, and others, who make Cyclamens a specialty. Commercially I predict a future for the Cyclamen in the United States. The large varieties, and especially the whites are all sweet-scented. Its thick, fleshy leaf gives it stronger lungs to support the bud and blooms than in the thin-leaved cineraria or primrose in the artificial heat of almost every dwelling house in winter. Procure from any respectable seed firm a good strain of seed—no honest seed firm, knowingly, will sell any other. Sow

in pans, boxes, or pots, or anything else, provided they are near the height required, about 100 seeds to the square foot. Be sure they are well covered, as they swell pretty big when they become moist. Some growers soak the seed in water before sowing—a good plan; you can then detect any poor seeds you have in the lot. A good time to sow would be from September until January. In the spring, after the weather is warm enough, take seedlings from the pans, pot them in 2 and 2½-inch pots, and transfer to cold frames shaded from the bright sun. They will grow in any kind of light soil, with a little sand. Pot soft as for a soft-wooded plant. Don't use cow manure or manure of any kind amongst the potting material, but manure in a liquid form is a first-rate stimulant for them after they begin to flower. It seems to me the June-hug has a special regard for depositing its eggs in cold dung, and this voracious curse of a grub plays sad havoc among the roots of Cyclamens.—DAVID ALLAN, IN AMERICAN FLORIST.

CONVOLVULUS MAJOR (*Morning Glory*).

Cosmos HYBRIDUS.

CYCLAMEN—GARDINER'S SUPERB STRAIN.

Cyclamens have been much improved during the past few years, the *giganteum* section of the favorite *C. Persicum* being especially, by a process of selection and high cultivation, brought to a high state of perfection. Our select strain of this is unsurpassed, and will produce blooms of extraordinary size and substance, combined with great variety of color, remarkable at once for delicacy and distinctness. The growth is vigorous and healthy, yet compact, both the flowers and foliage being distinguished for their neatness and grace of habit. As a florist's flower they are increasing in popularity very rapidly, being highly appreciated both as pot plant and for cutting.

Culture.—Seed may be sown from November to March in a compost of leaf-mold, and coarse sand, thoroughly mixed. They will make flowering bulbs in eleven months, if well grown. An even temperature of 60° or 65° suits them best. Be careful to give good drainage, and place in a light, airy position; water liberally morning and evening, and syringe occasionally to keep the plants bright and encourage growth. Keep a bright lookout for red spider and other insects. Dipping in a solution of Gishurst's Compound, or soft soap, afterwards dipping in clean water, will destroy these pests.—For further particulars see Mr. Allen's article on preceding page.

GARDINER'S GIANT CYCLAMEN.

Consists of the finest and most beautiful new sorts, unsurpassed for richness and variety of color, and certain to give unqualified satisfaction. Packet 50 cents. Per 100 seeds, \$2.00; per 1000 seeds, \$15.00.



GARDINER'S SUPERB GIANT CYCLAMEN.

DAHLIA.

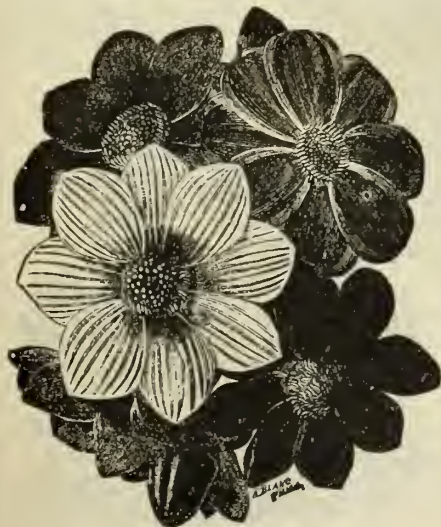
This favorite autumn flower may be easily raised from seed, and will flower the first season if started in gentle heat in February and frequently transplanted. The new single varieties are becoming exceedingly popular, being useful for cutting, and possessing an airy grace not possessed by the double sorts. Succeeds best in a strong, deep, rich soil. The roots should be kept covered with sand during winter, in a dry, warm cellar. *Half-hardy perennial.*

Double Large-Flowering mixed.—Saved from a choice collection. Packet 10 cents, ounce \$3.00.

Double Dwarf mixed.—Very fine. Packet 10c., oz. \$4.00.

Double Lilliput.—Small-flowering variety of dwarf habit. Excellent for bedding. Packet 10 cents, ounce \$4.00.

Single mixed.—Finest strain in cultivation. Great variety of color and form. Packet 10 cents, ounce \$3.00.



SINGLE DAHLIA.—New Strain.

DAISY, DOUBLE ENGLISH.—See Bellis.

DAISY, SWAN RIVER.—See Brachycome.

DAISY, PARIS.—See Chrysanthemum Frutescens.

DATURA (*Trumpet Flower*).

An ornamental genus, with large, fragrant, trumpet-shaped flowers. Excellent for massing in clumps, or the shrubby border. *Annuals.*

Humilis.—Double yellow. Three feet. Packet 5 cents, ounce 75 cents.

Wrightii.—White, bordered with lilac. Two feet. Packet 5 cents, ounce 75 cents.

Double mixed.—Choice. Three feet. Packet 5 cents, ounce 75 cents.

DELPHINIUM (*Larkspur*).

Very showy herbaceous plants with finely cut foliage and handsome flowers in different shades of blue, purple, and white. For large beds on lawns or masses and mixed borders they are unsurpassed. The taller growing varieties are also excellent for cut flowers. Succeed best in a light rich soil in a sunny situation. *Annuals and perennials.*

Barlovi.—Handsome species with large dark blue flowers. *Perennial.* Three feet. Packet 25 cents.

Barlovi versicolor.—Very fine. Packet 25 cents.

Cardinale.—Scarlet; splendid. *Perennial.* Packet 25 cents.

Cashmerianum.—Dark blue. *Perennial.* Packet 25 cents.

Elatum (*Bee Larkspur*).—Blue. Five feet. Packet 5 cents, ounce 50 cents.

Elatum Le Mastodonte.—A magnificent variety of the Bee Larkspur with very large dark blue flowers. Packet 25 cents.

Formosum.—Dark blue. *Perennial.* Two feet. Packet 5 cents, ounce \$1.00.

Nudicaule.—Brilliant light scarlet shading to crimson. *Perennial.* Two feet. Packet 10 cents, ounce \$3.00.

Hybridum, fl. pl.—Saved from a choice collection of double flowered perennial sorts. Packet 15 cents.

Double Dwarf Rocket.—Various colors. *Annual.* One foot. Packet 5 cents, ounce 40 cents.

Double Tall Rocket.—Various colors. *Annual.* 1½ feet. Packet 5 cents, ounce \$1.00.

Double Tall Branching.—Various colors. *Annual.* 1½ feet. Packet 5 cents, ounce 40 cents.

Double Dwarf Candelabrum.—Various colors. *Annual.* One foot. Packet 10 cents, ounce \$2.00.

Bismarck.—A beautiful red striped variety. *Annual.* One foot. Packet 5 cents, ounce 75 cents.

A truly beautiful genus, containing some of the most prized flowers we possess. The flowers are brilliant, showy, and fragrant; the foliage always bright, as green and as vivid in winter as summer. The annual and biennial varieties merely require sowing in the open border, where they will grow and flower freely. The perennial varieties may be sown in spring in gentle heat. The Carnations require a covering of spruce boughs and leaves during winter. The Sweet Williams are generally sown in August or September, but may also be sown in spring.

DIANTHUS (Pink.)



DIANTHUS HEDDEEWIGI (Single Fringed).

Caryophyllus (Carnation).—Double finest, mixed from open ground flowers. Packet 25 cents.

Caryophyllus (Carnation).—Double fine, mixed from open ground flowers. Packet 10 cents, ounce \$2.50.

Caryophyllus (Carnation) Perpetual or Tree.—Choicest double mixed. Packet 50 cents.

Chinensis (China pink).—A splendid mixture of double flowering varieties. Annual. One foot. Packet 5 cents, ounce 50 cents.

China-barbatus.—Hardy alpine perennial, with lustrous scarlet flowers. One foot. Packet 25 cents.

Heddeewigi (Diadem pink).—Single mixed colors. Biennial. One foot. Packet 5 cts, oz. \$1.50.

Heddeewigi Eastern Queen.—Crimson-lake. Packet 5 cents, ounce \$1.50.

Heddeewigi Crimson Belle.—Beautifully marbled. Packet 5 cents, ounce \$1.50.

Heddeewigi Diadematus fl. pl. Double mixed. Packet 10 cents, ounce \$3.00.

Heddeewigi Lacinatus.—Double fringed mixed. Packet 5 cents, ounce \$1.50.

Barbatus single mixed (Sweet William).—Hardy biennial. 1½ feet. Packet 5 cents, ounce 50 cents.

Barbatus double mixed.—Fine strain. Packet 5 cents, ounce \$1.50.

Barbatus, Hunt's perfection.—A very choice strain of the auricula-eyed Sweet William. Packet 5 cents, ounce 75 cents.

Caryophyllus (Carnation).—Choicest mixed; saved from stage flowers, a very choice strain of carnations, pinks, and picotees. Half-hardy perennial. Packet 50 cents.



DIANTHUS HEDDEEWIGI, FL. PL.

Imperialis (Imperial pink).—Double mixed. Annual. Packet 5 cents, ounce 75 cents.

Plumarius (Hardy Garden Pink).—Single fringed, dark centers. Hardy perennial. Packet 5 cents, ounce 50 cents.

Plumarius, fl. pl. (Double Garden Pink).—Finest double, mixed colors. Packet 10 cents, ounce \$2.00.

Plumarius (Paisley or Show Pink).—Saved from Mr. Turner's choicest double varieties. Very scarce. Packet 50 cents.

DICTAMNUS (Frazinella).

Very ornamental plants, worthy of a place in every flower border. The leaves, when rubbed, emit an odor like lemon peel. Familiarly known as "Gas Plant." Excellent for bees. Hardy perennial. 2 feet. Red and white. Each, packet 5 cents, ounce \$1.00.

DIGITALIS (Foxglove).

Exceedingly showy plants for shrubbery, borders, etc. Easily cultivated in ordinary garden soil. Hardy perennials. 3 feet.

Gloxiniæflora.—Beautifully spotted. Packet 5c., ounce 50c.

Ivery's Spotted.—Splendid strain. Packet 5 cents, ounce 50 cents.

Splendid mixed.—All colors. Packet 5 cents, ounce 50 cents.

DIOTIS.

Candidissima.—A silvery-foliated plant, rivaling the "Dusty Miller" for grace and beauty. Excellent for edgings. Half-hardy perennial. One foot. Packet 5 cents, ounce \$1.00.

DEVIL - IN - A - BUSH.

See Nigella.

DOLICHOS.

(Hyacinth Bean.)

Lablab mixed.—A beautiful quick growing climber with blue and white flowers in clusters. Annual. Ten feet. Packet 5 cents, ounce 40 cents.

DRACAENA.

English mixed. Beautiful and graceful plant for the greenhouse or conservatory. Splendid mixture of the best new English sorts. Packet 25 cents.



DIANTHUS PLUMARIUS (Paisley Pinks). Turner's strain.



DIANTHUS BARBATUS (Sweet William).



DIANTHUS CHINENSIS FL. PL. (China Pinks).

ECHEVERIA.

Mixed.—Free growing succulents for beds, rock-work, etc. Succeed best in a mixture of porous loam and coarse sand. *Half-hardy perennials.* Packet 25 cents.

EGG PLANT.

Purple and White.—Very pretty fruit. Each, packet 5 cents, ounce 50 cents.

ELICHRYSUM (Eternal Flower).

Beautiful everlasting flowers; excellent for winter bouquets. Easily grown in ordinary garden soil. *Annuals.* Two feet.

Single mixed.—Best varieties. Packet 5 cents, ounce 50 cents.

Double mixed.—Finest double sorts. Packet 5 cents, ounce 75 cents.

ERYSIMUM.

Handsome annual for beds and borders with showy orange and yellow flowers borne in spikes. Height 1½ feet. Orange and yellow. Each, packet 5 cents, ounce 40 cents.

ESCHSCHOLTZIA (California Poppy).

Free-flowering, handsome annuals with bright showy flowers blooming freely all summer. Excellent for beds, borders, or rock-work. Height one foot.

Californica.—Yellow, white, rose, carmine, and mixed. Each, packet 5 cents, ounce 40 cents.

Crocea.—Orange and striped. Each, packet 5 cents, ounce 40 cents.

Crocea, fl. pl.—Double yellow and white. Each, packet 5 cents, ounce 75 cents.

Mandarin.—Rich orange inside; outside brilliant scarlet. Packet 5 cents, ounce 75 cents.

Tenuifolia.—Yellow; fine leaved. Packet 5 cents, ounce 40 cents.

Finest mixed.—Packet 5 cents, ounce 40 cents.

EUCALYPTUS (Blue Gum).

Globulus.—While young one of the most ornamental plants for sub-tropical gardening; also largely planted in low lying districts for destroying malaria. It is a fast growing tree, and makes excellent timber. Packet 5 cents, ounce \$1.00.

EUPHORBIA (Snow on the Mountain).

Variegata.—A showy border plant with foliage veined and margined with white; very attractive. *Annual.* 1½ feet. Packet 5 cents, ounce 50 cents.

EUTOCA.

Showy border plants from California, free flowering and excellent for beds and mixed borders. *Annuals.*

Multiflora.—Pink. 1½ feet. Packet 5 cents, ounce 40 cents.

Viscida.—Blue. One foot. Packet 5 cents, ounce 40 cents.

EVENING PRIMROSE.

See *Oenothera.*

EVERLASTING FLOWER.

See *Elichrysum.*

EVERLASTING PEA.

See *Lathyrus Latifolius.*

EXACUM.

Affine.—Elegant compact growing biennial with clusters of beautiful violet-purple flowers; very fragrant. If sown early will bloom the first season. Height six inches. Packet 15 cts.

FENZLIA.

Dianthiflora.—Lovely little annual for window boxes, small beds, or edgings. Blooms freely all summer. Height three inches. *Rose and white.* Each, packet 10 cents, ounce \$4.00.

FEVERFEW.—See *Matricaria.*

FICUS (India-Rubber Plant).

Elastica.—An elegant ornament shrub, well known and valued for decorative purposes both in pots for the greenhouse and for the summer garden. Splendid dark-green leathery foliage. *Half-hardy shrub.* Packet 25 cents.

FORGET-ME-NOT.—See *Myosotis.*

FOXGLOVE.—See *Digitalis.*

FREEZIA.

A lovely South African that has taken first rank among popular favorites in an incredibly short space of time. This is not to be wondered at when we consider not only the remarkable beauty and delicate fragrance of its flowers, but the ease with which it can be grown, its rapid increase, and its suitability for cutting. It can be quite easily raised from seed which if sown in spring will make bulbs that will flower the following winter. *Bubous perennial.* Height one foot.

Refracta alba.—White; sweet scented. Packet 25 cents.

Leichtleni.—Yellow; fragrant. Packet 25 cents.

FUCHSIA.

Hybrida.—Saved from a splendid collection. Packet 25 cents.

GAILLARDIA.

Very showy genus with brilliant flowers produced in great profusion during the summer and autumn.

Lorenziana.—Double mixed colors. A splendid new race. *Annual.* 1½ feet. Packet 5 cents, ounce \$1.00.

Picta.—Single, mixed colors. *Annual.* 1½ feet. Packet 5 cents, ounce 50 cents.

Grandiflora superba.—A new large-flowering strain of the perennial gaillardia; great improvement; splendid colors. 1½ feet. Packet 15 cents.

GAURA.

Lindhelmeri.—Hardy annual with handsome panicles of white flowers with lively red calyx; excellent for cutting and for baskets and vases. Two feet. Packet 5 cents, ounce 50 cents.

GERANIUM.—See *Pelargonium.*

GEUM.

Coccineum, fl. pl.—Handsome hardy perennial with bright scarlet double flowers; very showy; remains a long time in bloom. Height two feet. Packet 5 cents, ounce \$1.00.

GILIA.

Dwarf; free-flowering; showy hardy annuals; excellent for beds, borders, and rock-work. Height one foot.

Achillaeifolia Major.—Blue; large-flowering. Packet 5 cents, ounce 50 cents.

Nivalis.—White. Packet 5 cents, ounce 50 cents.

Tricolor.—Violet, yellow, and white. Packet 5 cents, ounce 50 cents.

Finest mixed.—Packet 5 cents, ounce 50 cents.

GLADIOLIUS.

Gandavensis.—Saved from a splendid French collection of the finest hybrid varieties. *Half-hardy perennial.* Three feet. Packet 10 cents.

Lemoines New Hybrids.—Orchid-like flowers; very brilliant; almost hardy. Packet 10 cents.

GNAPHALIUM (Edelweiss).

Leontopodium.—The lovely snow-white Alpine from the mountains of Switzerland; beautiful for pots or the rockery. *Perennial.* Quarter-foot. Packet 25 cents.

GODETIA.

Handsome free-flowering annuals; excellent for beds, borders, or ribbon work. Grow well on the poorest soil. Height one foot.

Bijou.—Snowy-white spotted with pink. Packet 5 cents, ounce \$1.00.

Duchess of Albany.—Satin white; very large. Packet 5 cents, ounce 75 cents.

Spotted Carpet.—White with crimson spots, large and fine. Packet 5 cents, ounce \$1.50.

Lady Albemarle.—Brilliant dark crimson. Packet 5 cents, ounce 50 cents.

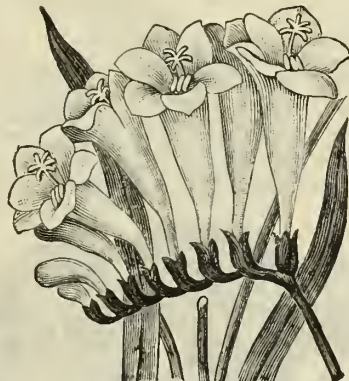
The Bride.—White and crimson, extra. Pkt. 5c., oz. 50c.

Whitney Hybrid, fl. pl.—Double white, extra. Packet 5 cents, ounce 50 cents.

Fine mixed.—From the best varieties. Pkt. 5c., oz. 50c.



GAILLARDIA LORENZIANA.



FREEZIA REFRACTA ALBA.



ELICHRYSUM, DOUBLE.



GLAUCIUM CORNICULATUM.

GLAUCIUM.
Corniculatum.—Fine silvery foliage; very graceful. *Perennial.* One foot. Packet 5 cents, ounce \$1.00.

GLOBE AMARANTH.
See Gomphrena.

GOLDEN FEATHER.
See Pyrethrum.

GOMPHRENA (*Globe Amaranth*).

A well-known and highly esteemed genus of everlasting flowers; excellent for winter bouquets. Start in heat early in spring, rubbing the woolly seed in sand to separate it before sowing. *Annuals.* Two feet.

Alba.—White. Packet 5 cts., ounce 40 cents.

Rubra.—Reddish-purple. Packet 5 cents, ounce 40 cents.

Aurea.—Orange. Packet 5 cents, ounce 40 cents.

Variegata.—Striped and variegated. Pkt. 5c., oz. 40c.

Mixed.—Packet 5 cents, ounce 40 cents.

GRAMMANTHES.

Gentianoides.—An excellent dwarf annual for baskets, rock-work, etc., with beautiful star-shaped flowers of a rich orange-scarlet. Height three inches. Packet 20 cents.

GREVELLIA.

Robusta.—Well-known greenhouse plant. Very ornamental, and much used for table decoration. *Perennial.* Height three feet. Packet 10 cents.

GYPSOPHILA (*Baby's Breath*).

Free-flowering genus, with panicles of small, airy, graceful flowers. Indispensable for bouquets. A few sprays of gypsophila, mixed with sweet peas, makes the cutest bouquet imaginable. Valuable for bees, and may also be dried and used as an everlasting in winter decorations. Easily grown in ordinary garden soil.

Elegans.—White. *Annual.* 1½ feet. Pkt. 5 cts., oz. 50 cts.

Muralis.—Rose. *Annual.* Height nine inches. Packet 5 cents, ounce 50 cents.

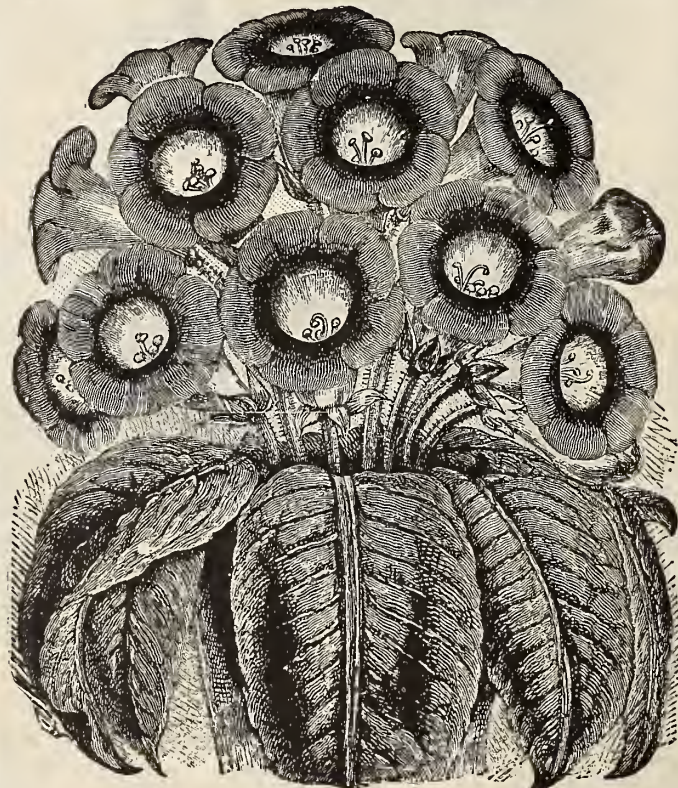
Paniculata.—Graceful white panicles. *Perennial.* Two feet. Packet 5 cents, ounce 50 cents.

GLOXINIA.

These are most charming plants for the parlor or conservatory, being almost unsurpassed for beauty of flower and richness in coloring. There are few plants that have been so much improved of late years as this. Formerly they had a drooping habit which detracted considerably from their beauty as compared with the gorgeously-colored, erect, and horizontal-flowered varieties which we now possess. Our strain is an exceedingly fine one; the colors being very varied, some of them intense glowing crimson, some purple, some pure white, others richest lilac, and some with various shades blended; they are really magnificent, and cannot fail to give great satisfaction. If sown under glass early in spring they will flower the following spring.

New French Hybrids.—Tigered and spotted, extra choice; saved from a most beautiful collection. Packet 50 cents.

Crassifolia.—A magnificent strain of large-flowering, erect and horizontal blooming varieties; extra choice. Packet 50 cents.



GLOXINIA—NEW LARGE-FLOWERED HYBRID.

GOURDS. (*Ornamental*).

The following varieties of this family are much grown on account of their curious and beautiful fruits and elegant foliage. Excellent for covering arbors, fences, etc. *Annuals.*

Angora.—White-spotted fruits; rapid grower. Packet 5 cents, ounce 40 cents.

Bishop's Mitre.—Orange. Packet 5 cents, ounce 40 cents.

Hercule's Club.—Long, club-shaped, very curious. Packet 5 cents, ounce 40 cents.

Double Bottle.—Very large. Packet 5 cents, ounce 40 cents.

Apple.—Very ornamental. Packet 5 cents, ounce 40 cents.

Gooseberry.—Small. Packet 5 cents, ounce 40 cents.

Lemon.—Very desirable. Packet 5 cents, ounce 40 cents.

Nest Egg.—A hen cannot tell it from a real egg. Pkt. 5 cents, ounce 40 cents.

Pear.—Green, striped with white. Packet 5 cents, ounce 40 cents.

Fine mixed.—Many varieties. Packet 5 cents, ounce 40 cents.

HEARTSEASE.—See *Viola Tricolor*.

HEDYSARUM (*French Honeysuckle*).

Coronarium.—A showy plant for borders. *Perennial.* Two feet. Red and white. Each packet 5 cents, ounce 50 cents.

HELIANTHUS (*Sunflower*).

Old favorites, too well-known to need any description. Excellent subjects for distant effects in shrubbery, borders, etc. Of the easiest culture. *Annuals.*

Giant Russian.—Single, very large. Eight feet. Packet 5 cents, ounce 25 cents.

Henry Wilde.—Single, small flowers. Eight feet. Packet 5 cents, ounce 50 cents.

Californicus, fl. pl.—Double yellow. Seven feet. Packet 5 cents, ounce 25 cents.

Globulus Fistulosus, fl. pl.—Globe-shaped, double yellow; the finest double sunflower. Seven feet. Packet 5 cents, ounce 30 cents.

Globulus Multiflorus.—New variety, very free-flowering, double yellow. Seven feet. Packet 5 cents, ounce 50 cents.

Nanus, fol. var.—Dwarf, handsome variegated foliage. Four feet. Packet 5 cents, ounce 50 cents.

Oculatus Viridis.—Double, with green centre. Seven feet. Packet 5 cents, ounce 30 cents.

Mixed.—Many kinds. Packet 5c., oz. 25c.

HELICHRYSUM.

See *Elichrysum*.

HESPERIS.

(*Sweet Rocket*).

Matronalis.—An early flowering, hardy perennial, with very fragrant flowers, freely produced. Easily grown in ordinary garden soil. Height 1½ feet. Purple and white. Each, packet 5c., oz. 40c.

HIBISCUS.

Africanus.—Yellow, with dark maroon centre. Large and handsome. *Hardy Annual.* Two feet. Packet 5 cents, ounce 40 cents.



GOURD—NEST EGG.



ORNAMENTAL GRASS.
BRIZA MAXIMA.
"QUAKING GRASS."

GRASSES (Ornamental).

The following varieties of grasses are very attractive and ornamental in beds and borders, and are largely used for making dried bouquets and for mixing with everlasting for winter decoration. Should be gathered and dried before they are fully matured.

Agrostis nebulosa.—Feathery, graceful. *Annual.* 1½ feet. Packet 5 cents, ounce 75 cents.

Anthoxanthum gracile.—Elegant for edgings. *Annual.* Six inches. Packet 5 cents, ounce 50 cents.

Arundo conspicua (*New Zealand Pampas Grass*). *Perennial.* Eight feet. Packet 10 cents, ounce \$4.00.

Arundo Donax, fol. var.—Beautiful striped foliage. *Perennial.* Seven feet. Packet 5 cents, ounce 50 cents.

Avena sterilis (*Animated Oats*).—Drooping spikes. *Annual.* Three feet. Packet 5 cents, ounce 50 cents.

Briza gracilis (*Quaking Grass*).—Beautiful. *Annual.* One foot. Pkt. 5c., oz. 40c.

Briza maximus (*Large Quaking Grass*). *Annual.* One foot. Packet 5 cts., oz. 30 cts.

Bromus brizaeformis.—Elegant drooping panicles. *Perennial.* 1½ feet. Packet 5 cents, ounce 30 cents.

Coix lachryma (*Job's Tears*).—The seeds of this elegant variety are strung and used as a necklace for children. *Annual.* 1½ feet. Packet 5 cents, ounce 30 cents.

Eragrostis elegans (*Love Grass*).—Very graceful. *Annual.* 1½ feet. Packet 5 cents, ounce 50 cents.

Erianthus Ravennae.—A noble grass resembling the Pampas. *Perennial.* Seven feet. Packet 5 cents, ounce \$1.00.

Eulalia Japonica.—Magnificent grass from Japan; very stately and unsurpassed for grouping on the lawn. *Perennial.* Ten feet. Packet 5 cents, ounce \$1.00.

Gynerium Argentum (*Pampas Grass*).—A noble grass. *Perennial.* One foot. Packet 5 cents, ounce \$1.00.



HOLLYHOCK, CHATER'S SUPURB DOUBLE.

Stipa pennata (*Feather Grass*).—Splendid for bouquets. *Perennial.* Two feet. Packet 10 cents, ounce \$1.00.

Stipa elegantissima.—Very graceful. *Perennial.* Two feet. Packet 10 cents, ounce \$1.50.

Mixed Ornamental Grasses. Many kinds. Packet 5 cents, ounce 50 cents.

Collection 13 varieties, 50 cents.

HELIOTROPIUM (Heliotrope).

Finest mixed.—Favorite half-hardy plants for bedding and pot culture, much valued on account of their delicious fragrance. Succeed best in a rich soil. *Tender perennial.* 1½ feet. Packet 10 cents, ounce \$2.00.

HELIPTERUM (Everlasting).

Excellent everlastings for winter bouquets. Succeed best on light, rich soil. *Tender annuals.* One foot. *White and yellow.* Each, packet 5 cents, ounce 75 cts.

HOLLYHOCK.

A well-known favorite; one of the stateliest and handsomest plants we possess. The new prize varieties produced by Mr. Chater have most magnificent spikes of flowers and great variety and delicacy of color. Seed sown in July will flower the following season. Do best in a deep, dry soil, enriched with plenty of manure. *Hardy biennial.* Height six feet.

Double Chater's Prize.—Saved from Mr. Chater's unrivaled collection, *Mixed colors.* Packet 25 cents, ounce \$5.00. Collection of 6 colors, 70c. Collection of 12 colors, \$1.25.

Double German. *Mixed colors.* Packet 10 cts., oz. \$1.50.

IBERIS (Candytuft).

Amara.—White. *Annual.* One foot. Pkt. 5c., oz. 30c.

Coronaria White Rocket.—Free flowering. *Annual.* One foot. Packet 5 cents, ounce 30 cents.

Coronaria Empress.—New, pure white, long spikes. *Annual.* One foot. Packet 10 cents, ounce \$2.00.

Coronaria Zingibels.—Very large heads, pure white. *Annual.* One foot. Pkt. 10c., oz. \$2.

Pectinata.—White, sweet-scented. *Annual.* One foot. Packet 5 cents, ounce 30 cents.

Umbellata. *Annual.* One foot. *White, flesh, carmine, lilac, crimson, and mixed.* Each, pkt. 5c., oz. 30c.

Nana hybrida.—Dwarf hybrids, compact growing, very charming. *Annual.* Six inches. *Mixed colors.* Pkt. 10c., oz. \$2.

Finest mixed.—Annual varieties, splendid mixture. Packet 5 cts., oz. 30 cts.

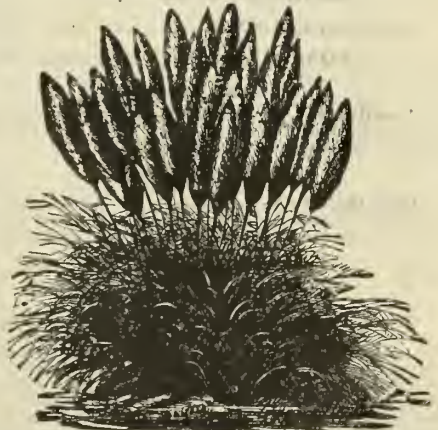
Gibraltarica hybrida.—Very fine species with white flowers shading off to lilac. *Perennial.* One foot. Pkt. 20c., oz. \$8.

Prunifolia.—Pure white, early, dwarf, splendid. *Perennial.* Six inches. Packet 10 cts., oz. \$3.00.

Sempervirens.—White, very early. *Perennial.* 1 ft. Pkt. 5c., oz. \$1.



HELIPTERUM (Everlasting).



ORNAMENTAL GRASS, GYNERIUM ARGENTUM, "PAMPAS GRASS."



IBERIS CORONARIA (Candytuft) EMPRESS.

HONESTY (*Satin Flower*).

Lunaria biennis.—The silvery seed pods are much used for winter decoration; very handsome, free-flowering *hardy biennial*. Two feet. Packet 5 cents, ounce 60 cents.

HUMEA.

Elegans.—Rose, very graceful, sweet-scented; valuable for decorative purposes either in pots or the summer garden. *Half-hardy biennial*. Three feet. Packet 10 cents, ounce \$3.

HUMULUS (*Hop*).

Japanese.—A new hop from Japan with finely cut foliage remaining a beautiful green all summer unaffected by heat or drought; very rapid grower; will cover an immense space in a very short time if given plenty of liquid manure. *Annual climber*. Packet 10 cents, ounce \$2.

HYACINTHUS (*Summer Hyacinth*).

Candicans.—An interesting South African plant, with lanceolate deeply channeled foliage, two feet in length, with a stout stem, three to four feet in height, bearing a spike of fifteen to twenty large white flowers. It flowers in July and August, and has a most striking and ornamental appearance when grown in the centre of a lawn or flower bed, in the shrubby border, or near a hedge. Perfectly hardy and admirably adapted for growing outdoors in clumps, or for conservatory decoration. *Hardy bulbous perennial*. Packet 5 cents, ounce \$1.00.

ICE PLANT.

See *Mesembryanthemum*.

IMPATIENS (*Perennial Balsam*).

Sultani.—One of the best of recent introductions; valuable both as a pot plant or for the summer garden. It is a compact grower, and produces its rich carmine-magenta flowers in the greatest profusion. Highly recommended. *Tender perennial*. 1½ feet. Packet 15 cents.

IPOMŒA.

Elegant twining plants, with handsome, showy flowers and beautiful foliage. Excellent for covering trellises, arbors, fences, etc. *Annuals*.

Purpurea (*Morning Glory*).—See *Convolvulus Major*.

Bona Nox (*Evening Glory*).—Large, pale lilac flowers, opening in the evening. Packet 5 cents, ounce 50 cents.

Coccinea (*Star Ipomœa*).—Scarlet, free-flowering. Packet 5 cents, ounce 30 cents.

Hederacea Superba.—Ivy-leaved, large, beautiful mixed colors. Pkt. 5 cts., oz. 50 cts.

Limbata Elegantissima.—White, with rich purple star in centre; elegant. Packet 5 cents, ounce 40 cents.

Quamoclit (*Cypress Vine*).—A favorite, well-known, climbing vine, with graceful, airy foliage, and handsome flowers. *Scarlet and white*. Each, packet 5 cents, ounce 50 cents.

IPOMOPSIS (*Standing Cypress*).

Elegans.—Beautiful biennial plant, with long spikes of brilliant orange and scarlet flowers. Seed started early will flower first season. Succeeds best in light, well-enriched soil. Four feet. *Mixed colors*. Packet 5 cents, ounce 75 cents.

JACOBÆA.—See *Senecio*.**JERUSALEM STAR.**—See *Cerastium*.**JACOB'S LADDER.**—See *Polemonium*.**KAULFUSSIA.**

Amelloides.—Beautiful dwarf-growing hardy annual, very effective in beds and borders. Six inches. *Mixed colors*. Packet 5 cents, ounce 75 cents.

LANTANA.

Hybrida.—Elegant, half-hardy perennial, with beautiful trusses of flowers of various hues. Splendid for pots or the summer garden. Finest mixed. Packet 10c., ounce \$1.00.

LARKSPUR.—See *Delphinium*.**LATHYRUS** (*Sweet Pea*).

Our collection of these beautiful free-flowering annuals is unrivalled. The past few years has seen a marked advance in both size and color, and we have left no stone unturned to make our collection the most complete in America: brimful of everything new, and good, and replete, with all the old favorites still worthy of being retained. If you want something rich and rare in the sweet pea line, give us a trial and you will be more than satisfied with results. **Culture.** To obtain the best results, sow very early in spring, say in April or early in May, in trenches about eight inches deep. Cover the seeds about one inch, and as they grow fill in the

soil gradually until the trench is full, carefully avoiding to smother the young leaves. A sunny situation, rich soil, plenty of moisture, early sowing, and Gardiner's Seeds, and your success is assured. One pound will sow eighty feet of drill.

Gardiner's "Fairy" Sweet Peas, Choicest mixed.—(For description see cover.) Per packet 10 cents, quarter-pound 35 cents, half-pound 65 cents, pound \$1.25.

Adonis.—Charming rosy pink. Packet 5c., ounce 15c.

Black-Purple.—Packet 5 cents, ounce 10 cents.

Black-Purple Striped.—Packet 5 cents, ounce 10 cents.

Butterfly.—White tinted lilac. Packet 5 cents, ounce 10 cents.

Captain Clarke.—Tricolor. Packet 5 cents, ounce 10 cents.

Crown Princess.—Delicate blush. Packet 5 cents, ounce 10 cents.

Dark Red.—Packet 5 cents, ounce 10 cents.

Invincible Scarlet.—Intense scarlet. Packet 5 cents, ounce 10 cents.

Invincible Scarlet Striped.—Scarlet, white striped. Packet 5 cents, ounce 10 cents.

Invincible Carmine.—Very brilliant. Packet 10 cents, ounce 40 cents.

Light Blue and Purple.—Packet 5 cents, ounce 10 cents.

Princess Beatrice.—Rose, beautiful. Packet 5 cents, ounce 10 cents.

Red Striped.—Packet 5 cents, ounce 10 cents.

Painted Lady.—Pink and white. Packet 5 cents, ounce 10 cents.

Vesuvius.—Rose and violet-crimson spotted. Packet 5 cents, ounce 25 cents.

Violet Queen.—Light violet. Packet 10 cents, ounce 40 cents.

White.—Packet 5 cents, ounce 10 cents.

Duchess of Edinburgh.—Light scarlet, edged with white beautifully marbled; new and fine. Packet 15 cents, ounce 40 cents.

Imperial Blue.—Dark maroon purple, with indigo-blue wings. Packet 5 cts., oz. 40 cts.

Isa Eckford.—Creamy white, suffused with pink; charming. Packet 15 cts., ounce 40 cts.

Orange Prince.—Orange-pink, flushed with scarlet; very distinct. Packet 15c., ounce 40c.

The Queen.—Rosy pink and light mauve. Packet 15 cents, ounce 40 cents.

Cardinal.—Lustrous crimson-scarlet, distinct and handsome. Packet 10c., ounce 30c.

Princess of Wales.—White-shaded and striped with mauve; splendid substance. Packet 5 cents, ounce 20 cents.

Grand Blue.—Deep blue, with pale centre and wings. Packet 5 cents, ounce 20 cents.

Indigo King.—Dark maroon, with indigo-blue wings. Packet 10 cents, ounce 40 cents.

Queen of the Isles.—Bright scarlet, mottled with white. Packet 10 cts., ounce 40 cts.

Fairy Queen.—Rose and white. Packet 5 cents, ounce 15 cents.

Finest mixed.—As received from the German growers. Packet 5 cents, ounce 10 cents, quarter-pound 25 cents, half-pound 50 cents, pound 75 cents. Collection 10 varieties, 40 cents. Collection 25 varieties, \$1.00.

Azureus (*Lord Anson's Sweet Pea*).—Blue and white. Each, packet 5 cents, ounce 10 cents.

Latifolius (*Perennial Sweet Pea*). *Hardy*. Flowers second season from seed, very beautiful. *White and deep red*. Each, packet 10 cents, ounce 50 cents.

LAVATERA.

Arborea variegata.—New; a very stately and elegant ornamental species growing about four feet in height, and having large handsome variegated foliage. Excellent for large beds or as single specimens on the lawn.

Seeds should be started in heat early in spring. *Half-hardy annual*. Packet 5 cents, ounce \$1.00.

Trimestris.—Showy hardy annual with large flowers. Excellent as a background for other plants. Three feet. *Red and white*. Each, packet 5 cents, ounce 40 cents.

LOBELIA.

Very interesting bedding plants; free-flowering, neat, and beautiful. Largely used for beds, edgings, and baskets. Easily grown and flower the first season from seed. Start in heat. *Tender perennials*.

Cardinals (*Cardinal Flower*).—Scarlet, beautiful. Three feet. Packet 15 cents, ounce \$1.00.

Cardinals, Queen Victoria.—New, dark scarlet, dark foliage, very brilliant flowers, splendid. Packet 25 cents.

Erinus (*Gracilis*).—Blue; best for hanging baskets. Six inches. Packet 5 cents, ounce 75 cents.

Erinus alba.—White variety of preceeding. Packet 5 cents, ounce \$1.50.

Erinus compacta oculata.—Dark blue, white eye, dark foliage; splendid. Packet 10 cents.

Erinus Crystal Palace compacta.—Dark blue. Extra. Packet 10 cents, ounce \$3.50.

Erinus, Emperor William.—Light blue, compact; very fine. Packet 10 cents, ounce \$3.00.

Erinus Prima Donna.—Velvety maroon; very distinct. Packet 10 cents, ounce \$3.50.



IPOMŒA.



LOBELIA ERINUS COMPACTA OCLATA.

LAVENDULA (*Lavender*).

Spica.—Cultivated for the delicious fragrance of its flowers from which is made the well-known "Lavender Water" of commerce. Succeeds well in ordinary garden soil. *Hardy perennial*. Two feet. Packet 5 cents, ounce 25 cents.

LAXIA.

Elegans.—A beautiful annual from California with flowers two inches in diameter of a charming golden-yellow, shading to lighter and darker tints, free-flowering; splendid. Nine inches. Packet 5 cents, ounce \$1.00.

LEPTOSIPHON.

French Hybrids.—Beautiful annuals both in flower and foliage; splendid for beds or ribbon borders. Easily cultivated in ordinary garden soil. *Hardy annual*. Six inches. Very fine. Colors mixed. Packet 5 cents, ounce \$1.00.

LIMNANTHES.

Douglasi.—One of the finest hee plants in cultivation. *Hardy annual* with yellow and white flowers, very fragrant. Moist shady situation. Six inches. Pkt 5, oz. 50c.

LINARIA (*Kentucky, Kenilworth, or Coliseum Ivy*).

Cymbalaria.—Very handsome trailer for baskets and vases, with neat foliage and small blue flowers. *Perennial*. Packet 10 cents, ounce \$2.50.

LINUM (*Flax*).

Rubrum.—A beautiful annual with dazzling scarlet flowers, delicate stems, and fine foliage; one of the most effective and showy annuals we have. One foot. Packet 5 cents, ounce 40 cents.

LOPHOSPERMUM.

Handsome climber with large beautiful flowers, splendid for the conservatory and summer garden. *Tender annuals*.

Coccineum.—Scarlet. Ten feet. Packet 10 cents, ounce \$3.00.

Hendersoni.—Rosy carmine. Ten feet. Packet 10 cents, ounce \$3.00.

Scandens.—Purple. Ten feet. Packet 10 cents, ounce \$3.00.

LOVE-IN-A-MIST.—See *Nigella*.**LOVE-LIES-BLEEDING.**
See *Amaranthus*.**LUPINUS** (*Lupin*).

Very attractive and easily grown plants, producing long spikes of bright showy flowers of various colors.

Annual Varieties, extra mixed.—Two to four feet. Packet 5 cents, ounce 30 cents.

Perennial Varieties, extra mixed. Four feet. Packet 5 cents, ounce 40 cents.

LYCHNIS.

Showy and free-flowering, hardy perennials of easy culture. Succeed best in rich loam.

Chalcedonica.—Two feet. *Scarlet and white*. Each, packet 5 cents, ounce 60 cents.

Fulgens.—Bright scarlet. 1½ feet. Packet 5 cents, ounce \$1.50.

Haageana Hybrida.—Very beautiful. *Mixed colors*. Two feet. Pkt. 5 cts., oz. \$1.50.

Senno Striata.—White and crimson, striped; fine. Two feet. Pkt. 10c., oz. \$2.50.

MALOPE.

Grandiflora mixed.—Scarlet and white; large and showy. *Annual*. Four feet. Packet 5 cents, ounce 40 cents.

MALVA.

Showy, free-flowering plants. Easily grown in ordinary garden soil. *Annuals*.

Crispa.—Ornamental foliage, with beautiful curled edges; very fine. Five feet. Packet 5 cents, ounce 50 cents.

Moschata.—Musk-scented, rosy white. Two feet. Packet 5 cents, ounce 75 cents.

MANDIVILLEA.

Suaveolens.—Splendid climber, with clusters of pure white, deliciously fragrant flowers, suitable either for the greenhouse or summer garden. They require rest during winter. Light, loamy soil. *Perennial*. Packet 5 cents, ounce \$1.00.

MIMULUS (*Musk Plant, Monkey Flower*).

Magnificent free-flowering, half-hardy perennials, of dwarf habit, and large brilliantly-colored flowers. They succeed best in moist, shady situations, and will bloom the first year from seed.

Cardinalis Perfection.—Deep red; new, very fine. One foot. Packet 15 cents.

Cupreus Duplex (*Hose-in-Hose*).—Double corolla; splendid. Packet 10 cents.

Moschatus (*Musk Plant*).—Yellow. 1½ feet. Packet 10 cents, ounce \$3.50.

Roezlii.—Golden Yellow; very dwarf; charming. Pkt. 15c.

Tigrinus Grandiflorus.—Very large-flowering tigered and spotted varieties; new; splendid. Packet 10 cts., ounce \$4.00.

Tigrinus Queen's Prize.—New English strain, with remarkably fine, large flowers. A great acquisition. Packet 15 cents.

MIMULUS TIGRINUS
GRANDIFLORUS.

MARIGOLD.—See *Tagetes* and *Calendula*.

MARTYNIA.

Fragrans.—Very handsome purple flowers, fruit used for pickling. *Half-hardy annual*. Two feet. Packet 5 cts., ounce 50 cts.

MARVEL OF PERU.—See *Mirabilis*.

MATRICARIA (*Feverfew*).

Dwarf compact growing plants, very suitable for edgings and ribboning, and extensively grown by florists for cut flowers. Light rich soil. *Half-hardy perennials*.

Capensis, fl. pl.—Double white. Packet 5 cents, ounce 40 cents.

Crispa, fl. pl.—Double white. Curled foliage. Packet 5 cents, ounce \$1.00.

Crispa Nana, fl. pl.—New dwarf, double white, very pretty. Packet 5 cts., ounce \$1.

MESEMBRYANTHEMUM.

Dwarf-growing plants of great beauty, producing their star-like flowers in great profusion the whole summer. Excellent for edgings and rock-work. A light sandy soil suits them best. *Annuals*.

Cordifolium Variegatum.—Charming dwarf-edging plant, with lovely variegated leaves. Packet 15 cents.

Crystallinum (*Ice Plant*).—White, prized for its peculiar glistening foliage. Excellent for garnishing. Six inches. Pkt. 5c., oz. 40c.

Tricolor.—Rose, white, and purple, dwarf; very pretty. Succeeds admirably in dry situations. Three inches. Pkt. 5c., oz. 75c.

Finest mixed.—The best varieties. Pkt. 5 cents, ounce 75 cents.

MESEMBRYANTHEMUM
TRICOLOR.**MATHIOLA** (*Evening Scented Stock*).

Bicornis.—Pink and lilac. A very interesting and pretty hardy annual, with fragrant flowers, opening in the evening. One foot. Packet 5 cents, ounce 50 cents.

MUSA (*Abyssinian Banana*).

Ensete.—Magnificent foliage plant, with broad, massive leaves that grow to immense proportions. A superb plant for the lawn, only requiring to be known to become exceedingly popular. Seeds should be started early, and frequently transplanted. Per packet, 25 cents, per 100 seeds, \$3.00.

MAURANDYA.

Evergreen twining plants, excellent for the greenhouse or summer garden. Very effective and ornamental for trellises, their large, handsome flowers being produced in the greatest profusion. They are half-hardy perennials, flowering the first season from seed, and succeed best in fine, friable, well-enriched loam.

Barclayana.—Blue; very popular. Pkt. 10 cents, ounce \$4.00.

Emeryana Rosea.—Rose; splendid. Packet 10 cents, ounce \$4.00.

Purpurea Grandiflora.—Purple. Pkt. 10 cents, ounce \$4.00.

Albiflora.—Pure white; very pretty. Packet 10 cents, ounce \$5.00.

Mixed.—Finest varieties. Packet 10 cents, ounce \$4.00.

MIGNONETTE.—See *Reseda*.

MINA.

Lobata.—Charming annual climber, closely resembling the Ipomeas, though its flowers are quite distinct; the buds are at first a vivid red turning to orange, and, when fully open, of a creamy white; they are freely produced from the base to the summit of the plant, which attains a height of twenty feet, and is strikingly beautiful. Packet 25 cents.

MUSA ENSETE
(Abyssinian Banana).

MEDEOLA, OR MYRSIPHYLLUM (*Smilax*).

Asparagoides.—For grace of foliage and fragrance of flower this plant is unrivalled amongst climbing vines, and is held in the highest estimation by florists for decorations of all kinds. Tender perennial, succeeding best in rich soil. Start the seeds in heat. Packet 10 cents, ounce \$2.00.

MIMOSA (*Sensitive Plant*).

Podica.—Pinkish-white. A very interesting and curious plant; its leaves closing if touched or shaken. *Annual*. One foot. Packet 5 cents, ounce 75 cents.

MIRABILIS (*Four-o'clocks*).

Few plants combine so much beauty both of foliage and flowers, as this handsome genus; the roots may be preserved through the winter. The flowers open in the afternoon and are in consequence called *Four-o'clocks*. Sow in the open ground where the plants are to flower; set the plants two feet apart. *Perennial*.

Jalapa mixed.—Finest colors. Two feet. Packet 5 cents, ounce 30 cents.

Jalapa mixed, fol. var.—Varieties with variegated foliage. Packet 5 cts., ounce 30 cts.

Jalapa alba odorata.—White, sweet-scented. Packet 5 cents, ounce 30 cents.

Jalapa violacea.—Purple, sweet-scented. Packet 5 cents, ounce 30 cents.

Jalapa Tom Thumb White.—New, excellent for edgings. 9 inches. Pkt. 5c., oz. 50c.

MOLUCELLA (*Shell Flower*).

Laevis.—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. *Annual*. One foot. Packet 5 cents, ounce 50 cents.

MOMORDICA.

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

Balsamina (*Balsam Apple*).—Pkt. 5 cents, ounce 50 cents.

Charantia (*Balsam Pear*).—Pkt. 5 cents, ounce 50 cents.

MONKEY FLOWER.

See *Mimulus*.

MORNING GLORY.

See *Convolvulus*.

MOURNING BRIDE.

See *Scabiosa*.

MUSK PLANT.

See *Mimulus moschatius*.

MYOSOTIS (*Forget-me-not*).

Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; invaluable for spring garden decorations. With the exception of *Azorica* (which is an annual) the *Myosotis* are perennials, but will flower the first season if started early in a hot-bed. *M. palustris* (the true "Forget-me-not"), is naturally an aquatic plant and should be grown in a shady situation.

Alpestris.—Blue, valuable for bedding. One foot. Packet 5 cents, ounce \$1.50.

Alpestris robusta grandiflora.—Blue, large flowering; pyramidal habit; new, very fine. Packet 10 cents, ounce \$3.00.

Alpestris Victoria.—Bright azure-blue, dwarf, compact, covered with blossoms; new, very fine. Six inches. Packet 20 cents.

Azorica.—Dark blue, very handsome. One foot. Packet 10 cents, ounce \$6.00.

Azorica alba.—White variety of preceding. Packet 10 cents, ounce \$6.00.

Disitiflora.—Dark blue; flowers very early, and is much used and greatly admired for spring bedding. Our seeds of this are true, and will give splendid results. Packet 10 cents, ounce \$3.00.

Palustris (*Forget-me-not*).—Blue; this is the true variety, the symbol of constancy celebrated in song and story for ages. Packet 10 cents, ounce \$3.00.

Palustris semperflorens.—Dwarf; flowers all summer; blue and white. Each, packet 10 cents, ounce \$2.50.

Rupicola.—Porcelain-blue; very dwarf and compact; charming. Packet 20 cents.

Mixed.—Many fine sorts. Packet 10 cents, ounce \$3.00.

NASTURTIUM.—See *Tropaeolum*.

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. Plant six inches apart in beds. Height nine inches.

Finest mixed varieties.—Packet 5 cents, ounce 50 cents.

NEMOPHILA.

Charming, dwarf-growing annuals, with neat, compact habit, and strikingly beautiful colors. To secure the greatest perfection, thin to four inches apart; the plants will then present a dense mass of flowers.

Best varieties, mixed.—Packet 5 cents.

NICOTIANA.

Affinis.—Deliciously fragrant, large, white flowers; very ornamental, and one of the best of recent introductions; easily grown. Excellent either for pots or beds. *Annual*. 1½ feet. Packet 5 cents, ounce \$1.50.

Suaveolens.—White; fragrant; dark foliage; handsome. Three feet. Packet 10 cents.

NIEREMBERGIA.

Charming little plants, which flower profusely during the whole summer; well adapted for hanging-baskets and edgings. *Annuals*. One foot.

Frutescens.—Lilac, very free-flowering. Packet 10 cents, ounce \$1.50.

Gracilis.—Light-blue, fine for groups. Packet 10 cents, ounce \$1.25.

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

Fine mixed.—Compact-growing, free-flowering plants, with curious-looking showy flowers, and finely cut foliage. *Annuals*. One foot. Pkt. 5c., oz. 30c.

NOLANA.

Fine mixed.—Pretty trailer, resembling the dwarf convolvulus, with soft and beautiful colors; excellent for hanging-baskets, rockeries, etc. *Annual*. One foot. Pkt. 5 cents, ounce 40 cents.

NYCTERINIA.

Neat, compact little plants, covered with pretty, sweet-scented, star-shaped flowers, valuable for edgings, rockeries, stumps, or small beds. *Annual*. Six inches.

Capensis.—White, with bright yellow centre. Pkt. 10 cts., oz. \$1.00.

Selaginoides.—Lilac. Packet 10 cents, ounce 75 cents.

OENOTHERA (*Evening Primrose*).

Charming hardy plants, with large, showy flowers; old favorites in the flower garden, but lately somewhat neglected. They deserve to be more widely grown, and we catalogue the most showy kinds, with a strong recommendation to give them a trial. The flowers open in the evening, in that sudden and curious manner, so well described by Keats as "the leap of buds into ripe flowers," hence the name "Evening Primrose." Succeed well in ordinary garden soil, preferring warm, sunny situations, in mixed borders or margins of shrubberies.

Acutalis.—White, shaded, large; flowers all summer. Six inches. Packet 5c., ounce \$1.50.

Bistorta Veitchiana.—Yellow, spotted with blood-red, low spreading habit. *Annual*. Packet 5 cents, ounce 50 cents.

Macrantha.—Large golden-yellow; fine. *Annual*. Packet 5 cents, ounce 50 cents.

Missouriensis.—Large yellow flowers; calyx, red spotted; stem, prostrate. A splendid hardy plant, very showy. *Perennial*. Packet 5 cents, ounce 60 cents.

Rosea.—Pink, very fine. *Annual*. Six inches. Packet 5 cents, ounce \$1.00.

Taraxacifolia.—Golden-yellow, large and dark. *Annual*. Six inches. Pkt. 5c., oz. 75c.

OXALIS.

Splendid half-hardy perennials, flowering the first season from seed. Excellent subjects either for edgings, rock-work, or for pots, baskets, or vases in the parlor or conservatory. They are of easy culture, thriving best in light, rich soil in warm, dry situations.

Rosea.—Rose, crested; erect stems. Six inches. Pkt. 10 cents, ounce \$2.50.

Rosea Alba.—White, very pretty. Pkt. 10 cts., oz. \$2.50.

Rosea Delicata.—New; a very fine variety. Packet 10 cents, ounce \$2.50.

Tropaeoloides.—Yellow; purple foliage; a splendid plant for edgings. Packet 5 cents, ounce \$1.50.



NICOTIANA AFFINIS.



OXALIS ROSEA.



OENOTHERA TARAXACIFOLIA.

OROBUS.

Mixed.—Beautiful hardy perennials, with pea-shaped flowers very showy and of easy culture. Pkt. 5c., oz. 50c.

PAPAVER (Poppy).

Well-known and very showy annual and perennial plants, admirable subjects for planting in the open border, or in the case of perennial varieties for naturalizing on banks or woody spots. They grow readily from seeds, and give a bright showy appearance to the summer garden. The most suitable soil is a sandy loam, although they succeed very well in ordinary garden soil. Both the double and single varieties ought to be freely planted.

Papaver alpinum, mixed.—A charming species, resembling *P. Nudicaule*, but dwarfer; height six inches. *Annual.* Packet 5 cents, ounce \$1.50.

Papaver bracteatum.—Red, marked at the base of each petal with a black spot; height four feet. *Perennial.* Packet 5 cents, ounce 75 cents.

Papaver croceum.—Orange-yellow, the petals being curiously purled at the edges; very pretty; height 1 ft. *Perennial.* Packet 5 cents, ounce \$1.50.

Papaver Danebrog (Danish Flag).—Scarlet, with a white spot at the base of each petal; brilliant; height two feet. *Annual.* Packet 10 cents, ounce 50 cents.

Papaver Mikado.—Double scarlet and white, beautifully curled like a Japanese Chrysanthemum; height 1½ feet. *Annual.* Packet 25 cents.

Papaver Mephisto.—Scarlet, with large black spots; height 2 feet. *Annual.* Packet 5 cents, ounce 75 cents.

Papaver Murselli Mixed.—Double white and red; height 1½



PAPAVER PAEONY-FLOWERED DOUBLE.

feet. *Annual.* Packet 5 cents, ounce 40 cents.

Papaver Murselli Lilacinum.—Lilac. Packet 5 cents.

Papaver Nudicaule (Iceland Poppy).—Yellow, large and showy; splendid Alpine; height one foot. *Perennial.* Packet 10 cents, ounce \$1.00.

Papaver Nudicaule Aurantiacum.—Bright orange; very fine, free-flowering variety of the preceding. Packet 25 cents.

Papaver Orientale (Oriental Poppy).—Dark scarlet, with a purple spot at the base of each petal; large and showy; flowers six inches diameter; height two feet. *Perennial.* Packet 5 cents, oz. \$1.00.

Papaver pavoninum.—Scarlet, with a black horseshoe-shaped blotch at the base of each petal; very handsome new Poppy; height one foot. Packet 25 cents.

Papaver Double Carnation, mixed.—Handsome and well-known species, with double flowers of various colors; height two feet. *Annual.* Packet 5 cents, ounce 30 cents.

Papaver Double Ranunculus, mixed.—An ally of the preceding; very fine; height two feet. *Annual.* Packet 5 cents, ounce 30 cents.

Papaver Double Paeony, mixed.—Large double Paeony-shaped flowers; very handsome; height two feet. *Annual.* Packet 5 cents, ounce 30 cents.

Papaver Victoria Cross.—Rich vermilion-crimson, with a white spot at base of petals; height 1½ feet. *Annual.* Packet 10 cents.

Collection of ten varieties. (Separate), double; 40 cents. **The entire collection** of single and double varieties, as above, one packet of each, 16 varieties in all; price \$1.25.

OXYURA.

Chrysanthemoides.—Golden-yellow, edged with white, very showy and free-flowering; succeeds well in ordinary garden soil. *Annual.* Packet 5 cents, ounce 50 cents.

PANSY.—See *Viola tricolor*.

PASSIFLORA (Passion Flower).

Magnificent twining plants; free-flowering; quick growers; very beautiful and curious flowers; admirable subjects for the conservatory or summer garden. *Tender perennials.*

Cornelia.—Sky-blue; faintly scented; twenty feet. Pkt. 10 cents, ounce \$2.50.

Coccinea.—Scarlet, with orange rays. Fifteen feet. Packet 10 cents.

PEA, SWEET.—See *Lathyrus*.

PELARGONIUM (Geranium).

It would be difficult to name a more popular class of plants than this for garden and greenhouse decoration. All varieties grow readily from seeds which should be sown in spring in pans of light sifted soil, covering to a depth of one-quarter inch. If placed in a gentle heat they will germinate readily.

Large-Flowering or Show.—From the finest named sorts; a splendid strain. Packet 50 cents.

Apple-Scented.—Leaves very fragrant. Packet 25 cents.

Zonale.—Very choice; saved from Bouchard's celebrated collection. Packet 50 cents.

Gold and Bronze-Leaved (Laing's).—Saved from Mr. Laing's unrivalled collection. Extra choice. Packet 50 cents.

Silver-Leaved.—Very beautiful varieties, saved with great care. Packet 50 cents.



PELARGONIUM BOUCHARLET'S ZONALE.



PAPAVER UMBROSUM.



PAPAVER DANEBROG.



PAPAVER PAEONY-FLOWERED DOUBLE.

PENTSTEMON.

Elegant herbaceous plants, with long, graceful spikes of rickly-colored flowers. Succeed in light soil in dry situations. Carefully guard against wet soil during winter. *Perennials.*

Clevelandi.—Red, splendid variety. Packet 15 cents.

Cobaea.—Purple, shading to white, two inches long. Very fine. Packet 5 cents, ounce \$1.50.

Hartwegi.—A handsome race, recently much improved; seeds saved from a very large and fine collection. Packet 10 cts., ounce \$2.50.

Wrighti.—Rosy-red, one inch long. Very brilliant, one of the finest varieties. Two feet. Packet 10 cents, ounce \$2.50.

Mixed.—Many fine varieties. Packet. 5 cents, ounce 50 cents.

PERILLA

Nankinensis Crispa.—Excellent foliage plant, with dark purple leaves, beautifully crisped at the edges; admirably adapted for bedding and sub-tropical gardening. *Annual.* Start early in heat. Packet 5 cents, ounce 40 cents.

PHACELIA.

A splendid genus of annuals, from California, with racemes of beautiful funnel-shaped flowers. Thrive well in ordinary garden soil.

Campanularia.—Deep blue, with a white spot at base; large and fine. Six inches. Packet 10 cents, ounce \$3.50.

Parryi.—Dark violet-blue, one inch in diameter; excellent free-flowering species. Six inches. Pkt. 10c., oz. \$3.00.

Tannacetifolia.—Bluish-pink; a splendid bee plant. Two feet. Packet 5 cents, ounce 40 cents.

PETUNIAS.

Showy and popular plants for the summer garden and growing in pots. They are easily raised from seeds, and continue a mass of bloom the whole season. The seeds are very delicate, and should be sown in March in pans of finely-sifted soil, and placed in gentle heat. So soon as large enough, carefully prick out into other pans or pots. Afterwards, when a little larger, pot off singly. Pinch back the shoots to induce shrubby growth. Those intended for the summer garden should be gradually inured to the open air, and planted out about the end of May. The best soil is a compost made up of two parts loam and one part well-rotted manure. Water freely during the summer. *Annuals.*



PETUNIA, CHOICE LARGE-FLOWERING, SINGLE AND DOUBLE.

SINGLE, EXTRA-FINE MIXED.—Beautiful striped and blotched varieties. Packet 5 cents, ounce \$1.50.

SINGLE LARGE-FLOWERED, EXTRA MIXED.—Very superior strain. Packet 25 cents.

SINGLE LARGE-FLOWERED, FRINGED.—Superb mixed. Packet 25 cents.

DOUBLE EXTRA CHOICE.—Large, double-variegated flowers. Packet 50 cents.

DOUBLE EXTRA CHOICE, FRINGED.—Charming fringed flowers; beautiful. Packet 50 cents.

COLLECTIONS.—Collection twelve choice single varieties, \$1.00. Collection twelve choice double varieties, \$1.25. Collection six choice double varieties, 75 cents.

PHLOX.

DRUMMONDI.

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. For early flowering sow in a hot-bed and transplant when the weather is warm; for later flowering sow in the open ground. Set the plants a foot apart. *Annuals.*

EXTRA MIXED.
Choice colors. Pkt. 5 cts., ounce 75 cts.

GRANDIFLORA, MIXED.—Extra large-flowered varieties. Pkt. 10c., oz., \$1.25.

NANA SNOWBALL.
Dwarf; pure white; large-flowering. Pkt. 10 cents, ounce \$4.00.

NANA FIREBALL.
Dwarf; brilliant scarlet; large-flowering. Packet 10 cts., oz. \$4.

NANA, EXTRA MIXED.—Choice colors; dwarf varieties. Pkt. 10c., oz., \$3.50.

COLLECTIONS.
Twelve large-flowering varieties, 75 cents; collection six large-flowering varieties, 40 cents.



PHLOX DRUMMONDI GRANDIFLORA.

PHLOX.

(*Herbaceous*).

Decussata.—The perennial phloxes are popular, hardy border plants with large heads of showy flowers of various colors. They succeed well in ordinary garden soil. Our strain of seed is saved from a collection of the newest and choicest sorts. Pkt. 10 cents, ounce \$2.50.

PICOTEE.—See *Dianthus caryophyllus*.

PINKS.—See *Dianthus plumarius*.

PHASEOLUS

(*Bean*).

Caracalla (*Climbing Snail Flower*).—A beautiful climber valued for its delicious fragrance and showy orchid-like flowers. Excellent for the greenhouse or summer garden. The flowers are purple; very large; the vexillum and carina spirally twisted. Succeeds in light, rich loam. Packet 10 cents, ounce \$2.00.

Multiflorus (*Scarlet Runner*).—Very ornamental on account of its bright scarlet flowers; also a good string bean (for culture see *POLE BEANS*). Packet 10 cts., pint 25 cents, quart 45 cents.

Multiflorus alba.
A white variety of the preceding; planted together the effect is excellent. Packet 10 cents, pint 25 cents, quart 45 cents.

PORTULACA.

For brilliant, beautiful, and delicate colors, this charming genus stands unrivalled, 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. It will stand almost any amount of heat, and revels in our hot, dry climate. *Annual.*

Double extra mixed.—Choicest colors. Packet 10 cents, ounce \$6.00.

Collection.—Six double varieties, 50 cents.

Single extra mixed.—Choicest colors. Packet 5 cts., ounce 75 cts.

Collection.—Eight single varieties, 40 cents.

POTENTILLA.

Handsome herbaceous plants, exceedingly ornamental in mixed flower borders, lasting a long time in bloom.

Double.—Choice varieties, mixed. One foot. Packet 15 cents.

Single.—Finest mixed. 1½ feet. Packet 5 cents, ounce 50 cents.

PRIMULA SINENSIS.

(Chinese Primula).

Gardner's Superb Strains.

The following are saved for us by the most celebrated growers in Europe, and are the finest the world affords in their respective classes. They are of large size, rich in color, and of great substance. The Chinese Primula has long been a favorite florist's flower, and it was never seen in greater perfection than now; the specialists in this plant having produced some very rare and remarkable varieties within the past few years. They are as indispensable for cutting and conservatory decoration as the *Cyclamens* and *Cinerarias*, and are also excellent for early summer flowering in the garden if placed in some shady corner. Sow either in February or August, in boxes of light rich soil, covering the seeds lightly with a little damp moss. Let them stand in a cool moist place for four or five weeks, then place in frame with bottom heat. When the plants put on two leaves, transplant into pots, and repeat this operation as the plants grow larger. *Tender Perennials.*

Sinensis, choice mixed.—Extra choice. Packet 50 cents.

Sinensis, fine mixed.—Pkt. 25 cents.

Sinensis Fimbriata, choicest mixed.—Beautifully fringed. Packet 50 cents.

Sinensis Fimbriata, fern-leaved, choicest mixed.—Varieties with finely cut foliage and fringed flowers, extra. Packet 50 cts.

Sinensis Fimbriata, fl. pl., choicest mixed.—Finest double-fringed flowers, extra. Pkt. 50 cts.

PRIMULA.

The following varieties are harder than the Chinese Primula, some of them being able to stand our winters with very little protection. This is notably the case with the *Polyanthus* and *English primroses*, and *Auriculas*. An inverted sod, or a flower-pot inverted and filled with hay or leaves, makes an excellent protection for their fleshy roots during winter. As pot-plants they are admirable, and we strongly recommend them for parlor or conservatory decoration during winter and spring. The *Primula Obconica*, described at another page, is one of the greatest acquisitions of recent years for this purpose. We know of nothing that has taken its place so quickly in popular estimation as this, unless it be the *Freezia*. And it is a peculiar coincidence that the fragrance of these two plants, so widely different in all other respects, is almost identical.

Primula Japonica (*Japan Primrose*).—Most beautiful; flowers one inch in diameter, on scapes one to two feet high, bearing five to six many flowered whorls; colors, crimson, maroon, rosy-pink, lilac, white; all with white eye. *Choicest mixed.* Packet 25 cents.

Primula Lutcola.—Sulphur-yellow, deeper at the throat; in compact heads; handsome species. Packet 25 cents.

Primula Obconica.—See *Novelties*.

Primula Farinosa.—Light purple, yellow eye, borne in compact umbels; a little gem. Pkt. 25 cents.

Primula Floribunda.—Pretty Himalayau Primrose, yellow, disposed in whorls on erect scapes. Packet 25 cents.

Primula Cashmeriana.—Rich violet-purple; borne in globular umbels; the stems and foliage covered with golden dust. Pkt. 25 cts.

Primula Cortusoides.—Rose; in umbels; dwarf; a most charming variety. Packet 25 cents.

Primula Rosa.—Bright rosy-carmine with yellow eye; one inch diameter; disposed in heads of six to ten blossoms; very neat, compact habit. Packet 25 cents.

Primula Sikkimensis.—Pale yellow, one inch long and half an inch across; disposed in drooping form in umbels of from forty to sixty blossoms; very handsome free-flowering species. Pkt. 25 cts.

Primula Stuarti.—Rich golden-yellow; handsome; vigorous grower. Packet 25 cents.

Primrose, Dean's Hardy High-Colored Hybrids.—Very beautiful strain; awarded first-class certificate R. H. S. Packet 25 cents.

Primrose, English.—Yellow. Packet 15 cents.

Polyanthus Gold-Laced.—Saved by an amateur, who has one of the finest collections in England. Packet 25 cents.

Primula Auricula Alpine.—Various colors. Six inches. Packet 10 cents.

Primula Auricula English Hybrids.—Green-edged, etc.; saved from prize flowers; six inches. Packet 25 cents.

PYRETHRUM.

Aureum (*Golden Feather*).—Golden foliage, unsurpassed for ribboning; "a ray of sunshine" when used as edging for beds of dark-foliated plants. Start the seeds in heat early in spring to have them large enough to set out by the end of May. Pkt. 5 cents, ounce \$1.25.

Aureum Golden Gem.—A variety of preceding, very fine. Packet 5 cents, ounce \$1.25.

Aureum Selaginoides.—Another variety of *Golden Feather*, with beautifully cut foliage; very fine. Pkt. 10c., oz. \$3.00.

Hybridum, fl. pl., mixed.—Handsome hardy perennial plants, with beautiful double flowers, resembling a *Chrysanthemum*. Two feet. Pkt. 25 cents.

POLYANTHUS.—See *Primula*.

POLEMONIUM (*Jacob's Ladder*).

Coeruleum.—Fine hardy herbaceous perennial, with large heads of blue flowers. Excellent for mixed flower borders. Succeeds best in rather rich, moist soil. One foot. Packet 5 cents, ounce 30 cents.

POPPY.—See *Papaver*.

RHODANTHE (*Everlasting*).

A well-known *Everlasting*; valuable for the decoration of the conservatory and flower-garden; fine for bedding or ribboning. *Half-hardy annual*. One foot.

Maculata.—Rosy-purple; crimson centre. Packet 5 cents, ounce \$1.50.

Maculata Alba.—White. Packet 5 cents, ounce \$1.50.

Manglesi.—Pink; beautiful. Pkt 5 cents, ounce \$1.00.



PRIMULA SINENSIS.
(Chinese Primula).



PRIMULA
(English Primrose).



PRIMULA AURICULA.



PYRETHRUM AUREUM "GOLDEN FEATHER."

RESEDA (Mignonette).

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. Excellent for pot culture, and for cutting. *Annual.*

Grandiflora.—Sweet, large flowered. Packet 5 cents, ounce 15 cents.

Golden Queen.—Golden; fragrant; new and fine. Packet 10 cents, ounce 75 cents.

Gabriele.—Red, large spikes, fragrant; a fine new variety. Packet 10 cts., ounce 60 cts.

Giant White Spiral.—A fine new variety, entirely distinct from other sorts; flowers pure white, in spikes ten inches long; foliage beautifully cut. Packet 10 cents, ounce \$1.00.

Birds Mammoth.—Very robust habit and long flower spikes; new and distinct. Packet 10 cents, ounce \$1.00.

Giant Pyramidal.—Large, bright red, fragrant. Packet 5 cents, ounce 40 cents.

Machet.—New, the best for pot culture; long spikes; very sweet. Packet 10 cents, ounce \$1.

Miles Spiral.—Free-flowering, splendid long spikes; fragrant. Packet 5 cts., ounce 60 cts.

Victoria.—Dark red; fragrant. Packet 5 cts., ounce 60 cts.

Parson's White.—White; very large and distinct. Pkt. 5 cents, ounce 40 cents.

RICINUS (Castor Oil Bean).

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, shrubberies, and mixed flower borders quite an original aspect. Grown as single



RICINUS.

specimens on lawns and pleasure-grounds, they form a striking feature. Plant the seeds as soon as the ground is warm in spring. *Annual.*

Borbouensis Aboreus.—Large; dark green foliage. Packet 5 cents, ounce 30 cents.

Camboedgensis.—See novelties.

Coerulegensis.—Bluish-green foliage and fruit. Ten feet. Packet 5 cents, ounce 30 cents.

Guyanensis Nanus.—Dwarf, with rose-colored fruits. Four feet. Packet 5 cents, ounce 30 cents.

Philippinensis.—Large dark foliage. Ten feet. Packet 5 cents, ounce 30 cents.

Sanguinens.—Blood-red foliage and fruit. Seven feet. Packet 5 cents, ounce 30 cents.

Mixed.—Many fine varieties. Packet 5 cents, ounce 30 cents.

ROCKET, SWEET.

See *Hesperis*.

RIVINA (Rouge Plant).

Humilis.—Ornamental evergreen green-house shrub, with racemes of small, bright scarlet berries; very beautiful and excellent for pot culture; succeeds best in a mixture of leaf-mould and sand. *Tender annual.* Packet 10 cents.

SABBATIA.

Campestris.—Rose; a charming annual; very ornamental and desirable for flower borders. One foot. Pkt. 10c.

SALPIGLOSSIS.

Ornamental and useful plants for autumn decoration; their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, and ribbons. Sow under glass, and transplant into the open ground as early as weather will permit. May also be sown about the end of May for later-flowering annuals. Two feet.

Variabilis grandiflora.—Large-flowering; finest mixed colors. Packet 10 cts., ounce \$2.00.

SEDUM (Stonecrop).

Neat, attractive little plants, growing freely in baskets, vases, or rock-work; free-flowering and easily grown.

Coeruleum.—Blue; very pretty. *Annual.* Three inches. Packet 10 cents, ounce \$3.00.

Mixed.—*Annual* and *perennial* varieties. Packet 5 cents, ounce \$1.00.

SENECIO (Jacobea).

A useful and exceedingly showy class of gay-colored, profuse-blooming plants of easy culture; splendid for rock-work or beds.

Fine mixed.—*Double* varieties. *Annual.* Two feet. Packet 5 cents, ounce \$1.00.

Dwarf mixed.—A beautiful dwarf race, with great variety of colors. *Annual.* One foot. Packet 5 cents, ounce \$1.00.

Speciosa.—Purple; a handsome perennial species, blooming the first season from seed; splendid. Two feet. Packet 25 cents, ounce \$5.00.

STEVIA.

Splendid free-blooming perennials, extensively used by florists for cut flowers. Splendid for pot or border culture. *Tender perennials.*

Eupatoria.—White. Packet 5 cents, ounce \$1.50.



RESEDA (Mignonette).
NEW WHITE SPIRAL.



Lindleyana.—Reddish-white. Packet 5 cents, ounce \$1.50.

Purpurea.—Purple. Packet 5 cents, ounce \$1.50.

Serrata.—White; splendid for cutting. Pkt. 5c., oz. \$1.50.

SALVIA.

Magnificent bedding-plants, loaded with spikes of brilliant flowers, from July till October. Start in a hot-bed and transplant. Succeed best in light, rich soil. *Half-hardy annual.*

Argentea.—Silvery foliage and white flowers. Three feet. Packet 5 cents, ounce 75 cents.

Carduacea.—Woolly thistle-like leaves and light blue flowers; very fine. 2½ feet. Packet 5 cents, ounce 75 cents.

Coccinea hybrida.—Intense scarlet. Two feet. Packet 5 cents, ounce \$1.00.

Farinacea.—Bright, light blue flowers, from July to October. Three feet. Packet 5 cents, ounce \$1.25.

Patens.—Beautiful deep blue; a most charming species. Two feet. Packet 20 cents.

Splendens.—One of the most popular fall-blooming plants in cultivation, producing long spikes of beautiful scarlet flowers; very ornamental. Three feet. Packet 10 cents, ounce \$3.00.

Splendens compacta.—Scarlet; earlier and more compact than preceding. Packet 15 cents.



SEDUM COERULEUM.



SENECIO.

SANVITALIA.

Procumbens fl. pl.—Handsome, free-flowering, hardy annual of trailing habit, with double, bright golden-yellow flowers. Succeeds well in ordinary garden soil. Six inches. Packet 10 cents, ounce \$1.00.

SAPONARIA (*Bouncing Bet*).

Mixed.—Charming annual of neat dwarf habit; free-flowering, and excellent for beds. Six inches. Packet 5 cents, ounce 50 cents.

SCABIOSA (*Mourning Bride*).

A splendid class of annuals for beds or borders; very showy, rich colors; excellent for cutting. Easily grown in ordinary garden soil. We cannot recommend this genus too highly. Exceedingly handsome.

Grandiflora fl. pl.—New; double large-flowering; choicest colors mixed. Three feet. Packet 5 cts., ounce 75c. Collection of six varieties, 30 cents.

Nana fl. pl.—Dwarf large-flowering varieties; choicest colors mixed. One foot. Packet 5 cents, ounce 50 cents. Collection of six varieties, 30 cents.

Candidissima fl. pl.—Double pure white; splendid for bouquets. Packet 5 cents, ounce 50 cents.

SCHIZOPETALON.

Walkeri.—White; curiously cut, star-shaped petals; fragrant. One of the neatest and most graceful little flowers in cultivation. Excellent for bouquets; a charming little thing. *Annual*. Six inches. Packet 5 cents, ounce 75 cents.

SCHYPANTHUS.

Elegans.—Yellow; a beautiful climber for the summer garden. Sow seed in heat, and transplant when the weather gets warm to the open ground. *Annual*. Ten feet. Packet 10 cents, ounce \$3.00.

SENSITIVE PLANT.

See Mimosa.

SILENE (*Catchfly*).

Ornamental, free-flowering plants, with bright and beautifully colored flowers. Will succeed well in almost any soil. *Annuals*.

Armeria (Catchfly).—Finest mixed. Two feet. Packet 5 cents, ounce 40 cents.

Pendula Compacta.—Dwarf; pink and white. Six inches. Each, packet 5 cents, ounce 50 cents.

Pendula Compacta, fl. pl.—Dwarf. Six inches. *Pink and white*. Each, packet 5 cents, ounce 50 cents.

SMILAX.—See Medeola.

SNAPDRAGON.

See Antirrhinum.

SOLANUM.

Highly decorative plants for the green-house or summer-garden, with fine foliage and beautiful bright colored berries. A rich soil suits them best. *Annuals*.

Hendersonii.—Bears bright, shining-scarlet berries. Exceedingly pretty. Packet 10 cents, ounce \$3.00.

Wetherill's Hybrids.—Very choice strain. Exceedingly ornamental. Packet 10 cents, ounce \$2.00.

SPERGULA.

Pilifera Aurea.—A beautiful golden-foliaged plant, much used in carpet-bedding; very dwarf; extremely pretty. A large percentage comes true from seed. *Perennial*. Two feet. Packet 25 cents.

STELLARIA.

Graminea Aurea.—Golden-yellow foliage; well adapted for carpet-bedding; does not exceed three inches in height; a far richer yellow than *Golden Feather*. Packet 15 cents

STOCK (*Gilly-flower*).

The Stock, or Gilly-flower, 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 for brilliancy and diversity of color, as well as for profusion and duration of bloom, and this combined with its spicy fragrance renders it an object of universal admiration. Seeds may be sown in a hot-bed or cold frame in March or April, or in the open ground in May; will transplant easily when small; set plants twelve inches apart in deep, rich soil. We offer only the very best imported seed saved from one of the finest collections in the world.

Double Large-Flowered German Ten-Week.

Finest mixed.—This seed is saved from pot-grown plants only. Packet 10 cents, ounce \$4.00.

Fine mixed.—Very good quality. Packet 5 cents, ounce \$2.00.

New Giant Perfection.—Finest pot seed. *Mixed colors*. Packet 10 cents, ounce \$4.00.

Double Florist's White.—Long spikes of very double pure white flowers. Packet 10 cents, ounce \$4.00.

Canary Yellow. Bright Rose. Crimson. Blood Red. Each, packet 10 cents, ounce \$4.00.

Collection.—Twelve varieties 75 cents.

Collection.—Eight varieties 60 cents.

The following varieties are valued for winter and spring, blooming in pots:

Earliest Autumn Flowering. Finest pot seed; mixed colors. Packet 10 cents.

East Lothian.—Pot seed, finest double; mixed colors. Packet 10 cents.

Brompton or Winter.—Pot seed, finest double; mixed colors. Packet 10 cents.

SUNFLOWER.

See Helianthus.

SWEET ALYSSUM.

See Alyssum maritimum.

SWEET CLOVER.

See Trifolium.

SWEET PEA.

See Lathyrus.

SWEET SULTAN.

See Centaurea.

SWEET WILLIAM.

See Dianthus.

SNAKE CUCUMBER.

See Cucumis Flexuosus.

STATICE (*Sea Lavender*).

Free-blooming and easily cultivated plants, excellent for winter bouquets. *Annuals*. 1½ feet.

Finest mixed.—Annual varieties. Packet 5c., ounce 60c. **Snworowl.**—New; very long spikes of rose flowers. Splendid. Packet 10 cents.

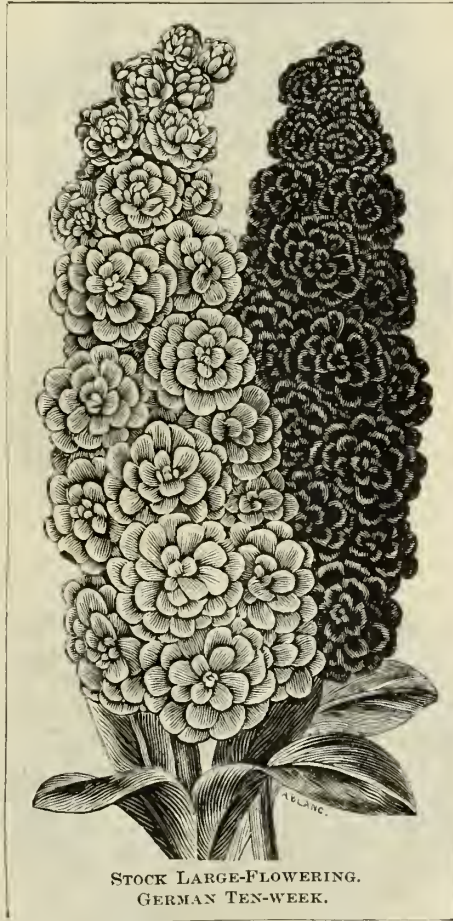
TACSONIA.

Ignea.—Magnificent climber for house or conservatory; bears fiery-red flowers, something like a passiflora in the greatest profusion. Continues in bloom a long time. Fine rich loam. *Half-hardy perennial*. Packet 20 cents.

Van Volxemi.—A splendid variety, with brilliant scarlet flowers. Packet 20 cents.

TRIFOLIUM (*Sweet Clover*).

Sauveoleus.—A very pretty clover, fragrant; hardy; easily cultivated; highly valued for its sweet perfume. *Annual*. Two feet. Packet 5 cents, ounce 50 cents.



STOCK LARGE-FLOWERING.
GERMAN TEN-WEEK.

TROPEOLUM (*Nasturtium*.)

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. The kinds catalogued are those of most recent introduction, and form an assortment of unqualified excellence. Great pains have been taken to have all our varieties true to name, and we recommend them very highly. The tall growing varieties make splendid climbers for covering fences, verandas, etc. They are easily cultivated, free-flowering, and unsurpassed in richness and brilliancy of coloring. The *Lobbianum* varieties especially are remarkably profuse and handsome, and although not quite so hardy as the *Majus* sorts they are very rich, and continue a long time in bloom, thus amply repaying for liberal treatment. No one should be without an ample representation of this handsome genus. *Annuals*.

Canariense (*Canary Bird Vine*).—Bright yellow; graceful fringed flowers; free-blooming and of easy culture; charming. Ten feet. Packet 10 cents, ounce \$1.00.

Lobbianum finest mixed.—Splendid climbing varieties with dark foliage and handsome brilliant flowers. Ten feet. Packet 10 cents, ounce 40 cents.

Lobbianum cardinal.—Dark cardinal-red; superb. Packet 10 cents, ounce \$1.00.

Lobbianum Crown Prince.—Deep blood-red. Packet 10 cents, ounce 60 cents.

Lobbianum Giant of Battles.—Brilliant carmine; splendid. Packet 10 cents, ounce 50 cents.

Lobbianum Lucifer.—Very dark scarlet; beautiful. Packet 10 cents, ounce \$1.00.

Lobbianum Napoleon III.—Golden-yellow, striped with carmine. Packet 10 cents, ounce 60 cents.

Lobbianum Roi des Noirs (*King of the Blacks*).—Black. Packet 10 cents, ounce 60 cents.

Lobbianum Spitfire.—Brilliant scarlet. Packet 10 cents, ounce 50 cents.

Lobbianum Collection. Twelve varieties, 75 cents.

Majus (*Tall Nasturtium*), **finest colors mixed**.—Packet 5 cents, ounce 15 cents, quarter-pound 45 cents, pound \$1.50.

Majus Atropurpureum.—Crimson. Packet 5 cents, ounce 15 cents.

Majus Coccineum.—Scarlet. Packet 5 cts., ounce 15 cts.

Majus Dannet's Orange.—Splendid orange-red. Packet 5 cents, ounce 15 cents.

Majus Edward Otto.—Brownish lilac. Packet 5 cents, ounce 15 cents.

Majus Heilmannii.—Chocolate. Packet 5 cents, ounce 15 cents.

Majus Hemisphericum.—Beautiful orange. Packet 5 cents, ounce 15 cents.

Majus King Theodore.—Very dark, almost black. Pkt. 5 cents, ounce 15 cents.

Majus Luteum.—Yellow. Packet 5 cents, ounce 15 cents.

Majus Regelianum.—Purple-violet. Packet 5 cents, ounce 15 cents.

Majus Scheurianum.—Straw color spotted. Packet 5 cents, ounce 15 cents.

Majus Scheurianum Coccineum.—Scarlet striped.—Packet 5 cents, ounce 15 cents.

Majus Collection.—Twelve varieties, 50 cents.

Tom Thumb (*Dwarf Nasturtium*), **finest mixed**.—Pkt. 5 cents, ounce 25 cents, quarter-pound 75 cents, pound \$2.25.

Tom Thumb Beauty.—Yellow and scarlet. Packet 5 cents, ounce 25 cents.

Tom Thumb Coccineum.—Scarlet, extra fine. Packet 5 cents, ounce 25 cents.

Tom Thumb Atropurpureum.—Dark crimson. Packet 5 cents, ounce 25 cents.

Tom Thumb Coerulea Roseum.—Peach color; beautiful. Packet 5 cents, ounce 25 cents.

Tom Thumb Crystal Palace Gem.—Sulphur, with mauve spots. Packet 5 cents, ounce 25 cents.

Tom Thumb Empress of India.—Crimson; splendid new dark-leaved variety. Packet 5 cts., ounce 40 cts.

Tom Thumb Golden King.—Golden-yellow; fine. Packet 5 cts., ounce 25 cts.

Tom Thumb King of Tom Thumbs.—Intense scarlet. Packet 5 cents, ounce 30 cents.

Tom Thumb King Theodore.—Deep maroon, almost black. Packet 5 cents, ounce 35 cents.

Tom Thumb Lady Bird.—New; golden-yellow; barred with ruby-crimson. Packet 5 cents, ounce 75 cents.

Tom Thumb Luteum.—Yellow. Packet 5 cents, ounce 25 cents.

Tom Thumb Pearl.—Almost white. Packet 5 cents, ounce 25 cents.

Tom Thumb Rose.—Rose color; splendid. Packet 5 cents, ounce 25 cents.

Tom Thumb Ruby King.—New; splendid ruby color. Packet 5 cents, ounce 40 cents.

Tom Thumb Scheurianum Coccineum.—Scarlet striped. Packet 5 cents, ounce 25 cents.

Tom Thumb Spotted.—Dark foliage; splendid. Packet 5 cents, ounce 25 cents.

Tom Thumb Collection.—Twelve varieties, 50 cents.

TYDEA.

Hybrida Nana.—A superb genus of green-house plants, rivalling the *Gloxinia* for size and brilliancy of flower, and equally as elegant for delicacy and distinctness. The habit is dwarf and compact, and the flowers are produced in great profusion. Altogether this is one of the brightest and most effective pot plants we possess, and is held in the highest estimation by florists for decorative purposes. If started early and frequently transplanted, will bloom the first season from seed. Packet 50 cents.



TAGETES (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 varieties are also excellent as pot plants for winter blooming. Succeed well in ordinary garden soil. *Annuals.*

African Tall Orange.—Large double orange, colored. Packet 5 cents, ounce 40 cents.

African Tall Lemon.—Large double lemon, colored. Packet 5 cents, ounce 40 cents.

African Tall Quilled.—Orange and lemon; quilled varieties of preceding. Each, packet 5 cents, ounce 30 cents.

African Eldorado.—Large flowers, finely imbricated and perfectly double; shading from primrose to deep orange. Pkt. 10 cents.

African mixed.—Finest double varieties. Packet 5 cents, ounce 40 cents.

French Tall Double.—Finest double varieties; mixed. Two feet. Packet 5 cents, ounce 50 cents.

French Dwarf Double.—Finest double varieties; mixed. One foot. Packet 5 cents, ounce 50 cents.

French Dwarf Striped.—Orange, with velvet stripes; very fine. Packet 5 cents, ounce 75 cents.

TASSEL FLOWER.

See *Calalia*.

THUNBERGIA.

A genus of slender and rapid-growing climbers, with extremely pretty and much admired flowers, which are freely produced. Succeed best in light, rich soil in warm situations. *Half-hardy annuals.* Five feet.

Alata.—Buff, with dark eye. Packet 5 cents, ounce \$1.00.

Alata alba.—White, with dark eye. Packet 5 cents, ounce \$1.00.

Finest mixed.—Packet 5 cts., ounce 75 cents.

TORENIA.

Beautiful free-blooming trailing plants; excellent subjects for pot culture in the conservatory, and also succeed well in moist, shady spots in the summer garden. Unsurpassed for baskets and vases. Light, rich loam. *Tender perennials.*

Bailloni.—Yellow, with brownish-red throat. Packet 10 cents

Fournieri.—Azure-blue, with three dark blue spots and yellow throat. Packet 10 cents.

Fournieri grandiflora.—New large flowered variety of the preceding. Packet 15 cents.

VALERIANA (Valerian).

Fine mixed.—Showy, easily grown plants, with long, handsome spikes of fragrant, beautiful flowers; excellent for cutting and for borders. *Hardy perennials.* Packet 5 cents, ounce 50 cents.

VENEDIUM.

Calendulaceum.—Single, golden-yellow, daisy-like flowers. A handsome, low-growing annual, blooming freely until frost. Six inches. Packet 5 cents, ounce 75 cents.

VERONICA.

Showy plants for pot culture, rock-work 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.

Annual varieties, finest mixed.—Six inches. Packet 5 cents, ounce \$1.00.

Perennial varieties, finest mixed.—Two feet. Packet 5 cents, ounce \$1.00.

Repens.—White; fine dwarf variety; perfectly hardy. Pkt. 10 cents.

VENUS' LOOKING-GLASS.

See *Campanula*.

VENUS' NAVELWORT.

See *Cynoglossum*.

VINCA (Periwinkle).

A class of very pretty, free-flowering perennials, with shining green foliage and beautiful flowers. May be set out in the garden in a warm situation during the summer and autumn months. Pot and take in-doors before frost. *Tender perennials.* Two feet.

Rosen.—Fine rose. Packet 10 cents, ounce \$1.50.

Rosa alba.—White, with rosy eye. Packet 10 cents, ounce \$1.50.

Rosa alba pura.—Pure white. Packet 10 cents, ounce \$1.50.

Mixed.—The above sorts. Pkt. 10 cents, ounce \$1.50.

Verbenas, etc., for Bedding.

Any time during September, before the autumn frosts destroy the plants in the flower garden, may be chosen for a tour of inspection in order to chronicle success and failures for another year's guidance. *Begonias, Petunias, Verbenas, Dwarf Marigolds,* and the *Nicotiana Affinis* amongst other things are at their very best. They are most effective if planted thinly, and isolated plants on a carpet, say of dark *Petunias, Verbena venosa,* or *Ageratum,* show to great advantage. *Verbenas* have done very well this season, and make the most attractive beds in the flower garden; large masses of the varieties with scarlet and purple shades, dotted over with occasional plants of the *Eucalyptus* and the *Nicotiana Affinis* are a special feature. There are not many named varieties of *Verbena* with the single exception of *Defiance Scarlet*, that have all the requirements essential in a good bedding *Verbena*; the necessary colors can, however, as a rule, be secured by sowing each year, and carefully selecting the most free and sturdy seedlings. *Violas, Tropaeolums,* and *Calceolaries* are not at their best this year; a capital substitute for the latter is, however, to be found in the two shades of the *Dwarf Marigold*. An old tree stem in the centre of a large bed is covered with *Canary Creeper* to a height of twelve feet, and the bed itself filled in with *Marigold*, and this for a long time has been a sheet of yellow.—E. Burrell, in "The Garden."



THUNBERGIA.



TAGETES FRENCH (Marigold).



TAGETES AFRICAN (Marigold).



BUGNOTS.

BUGNOTS.

GARDINER'S
International
PRIZE
PANSIES.



THESE are specimen blooms of some of the choice pansies contained in Gardiner's "International Prize" strain. This strain is a special mixture prepared by ourselves from seeds obtained regardless of cost from the most celebrated European and American specialists. Only the choicest strains, remarkable alike for size, variety, and richness in color, are allowed into this mixture. We are thoroughly acquainted with all the different strains on the market, and, having selected only the very best, we unhesitatingly pronounce our "international" pansies the very best that money can buy.

Per packet (of about 100 seeds)	25 cts.
Per packet (of about 50 seeds)	50 cts.

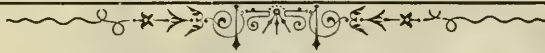


CASSIERS.

FRENCH STAINED.

JACQUES.

VIOLA TRICOLOR (Pansy, or Heartsease).



The Pansy is too well known to need any description. Horticulturists in both hemispheres vie with each other who shall produce the largest and handsomest, and the productions of some of these specialists in recent years are really remarkable. The gigantic Trimardeau of a few years ago has been followed by the equally large and far richer colored varieties of Bugnot, Cassier, Jacques, and other celebrated French and German raisers. Mr. Zirngelbel carried off the silver medal of the Massachusetts Horticultural Society last spring with a selection from these strains, and his exhibit was one of the most magnificent sights ever seen. The English growers are a little behind some of their French and German competitors in the matter of size. The substance and color are very fine, however, and in the best strains the size is not far behind. The "International Prize" strain is mixed by ourselves from the choicest productions of the most famous growers, and is undoubtedly the highest perfection yet reached in Pansies. These seeds are of course very scarce and high-priced, and are recommended especially for fancy or exhibition purposes. The large-flowered German mixtures will be found very desirable for general market purposes, and if a few of the "International" fancies are mixed in with the bulk of a collection the effect is magnificent. Pansy seeds may be started in heat about February or March. If no green-house is convenient a sunny window will answer. Sow lightly in fine loam, in a box or flower-pot, and transplant when well up. Transplant several times before finally transplanting out of doors. Pinch off the first buds as soon as they appear, and from early fall until the ground freezes you will have the largest Pansies possible to grow. Seeds sown in a cool place in June, or later, and kept well watered, will produce fall flowering plants. Sow also in September for winter flowering.

CASSIER'S SUPERB GIANT.

A splendid strain rivalling the Bugnot in size and brilliancy, blotched both on the upper and lower petals; wonderfully marked and shaded after the style of the finest types of French Pelargoniums. Packet 50 cents.

ROEMER'S GIANT.

Attractive strain of very robust and free-flowering habit; blooms large and richly colored. Packet 50 cents.

NEW ODIER OR PRIZE BLOTCHED.

A magnificent strain of fine varieties, producing large, handsome flowers of great substance and variety of coloring, the petals of which are beautifully blotched. Packet 25 cents, eighth-ounce \$1.00.

TRIMARDEAU GIANT.

An entirely distinct and beautiful race, producing flowers of very large size. The blooms, which are of the richest and most varied shades of color, are thrown well above the foliage. Each one is marked with three large blotches. Packet 25 cents.

SUPERB ENGLISH FANCY.

This we believe to be the finest strain of English Fancy in cultivation, saved from the finest named and seedling sorts. Packet 25 cents.

SUPERB ENGLISH SHOW.

A very pure strain, which has been saved by the same grower from the most choice varieties, with equally as much care as the Fancy, and may be relied upon to produce quite as satisfactory results, and in a great variety in character and color of flowers. Packet 25 cents.

VIOLA (Violet).

There is probably no plant that can equal the sweet violet for delicate and delicious fragrance. It always has been and always will be a prime favorite. The following varieties are all hardy, and unsurpassed for planting in borders where the situation is rather moist and shady. They will bloom freely and give unending delight with their beauty and fragrance. *Perennial*. Six inches.

Cornuta Mauve Queen.—Splendid. Pkt. 10c., oz. \$3.00.
Cornuta Admiration.—Dark blue; beautiful. Pkt. 15c.
Cornuta Magnificent.—Light blue; fine. Packet 15 cts.
Cornuta White Perfection.—New; great acquisition. Packet 15 cents.

Olorato semperflorens (Sweet Violet).—Blue. Packet 10 cents, ounce \$2.00.

Olorato semperflorens alba.—White. Pkt. 10c., oz. \$2.00.

Olorato Lauchean.—Dark blue; very fine. Pkt. 10 cts.

Olorato, The Czar.—Blue; large and fragrant. Packet 10 cents, ounce \$3.00.

Olorato, The White Czar.—Pure white; splendid. Packet 10 cents, ounce \$3.00.

Lutea grandiflora.—Yellow; large; a fine old species. Packet 5 cents, ounce \$1.50.

SCOTCH FANCY.

Saved specially for our trade by one of the most successful growers in Scotland. Packet 25 cents.

BELGIAN BLOTCHED.

Very choice. Packet 25 cents.

BUGNOT'S FRENCH.

New French strain of fine, robust growth; great variety of colors; the flowers are of great substance and borne well above the foliage. Packet 50 cents.

FRENCH STAINED.

Superb strain; very large, finely-formed flowers; beautiful colors. Packet 50 cents.

VICTORIA RED.

A brilliant blood-red variety, of fine shape and substance; very distinct. Packet 50 cents.

GARDINER'S "INTERNATIONAL PRIZE," MIXED.

Special mixture prepared by ourselves. We think this well deserves the title "International," representing, as it does, the highest perfection attained by the "crack" growers of this favorite flower, both in Europe and America. Packet of 100 seeds, 25 cents; packet of 250 seeds, 50 cents.

LARGE-FLOWERED GERMAN PANSIES.

Striped and Mottled.—Variegated; very showy. Packet 5 cents, ounce \$2.00.

Atropurpurea.—Dark purple shades. Pkt. 5c., oz. \$1.75.
Atropurpurea albo-marginata.—New; silver-edged; charming. Packet 5 cents, ounce \$1.75.

Azure-blue.—Very fine. Packet 5 cents, ounce \$1.50.

Black-blue.—Very dark; constant. Pkt. 5c., oz. \$2.00.

Bronze.—Charming color. Packet 10 cents, ounce \$2.75.

Candidissima (Snow Queen).—Delicate satiny white. Packet 5 cents, ounce \$2.00.

Emperor William.—Ultramarine-blue; purple eye; splendid. Packet 5 cents, ounce \$2.00.

King of the Blacks (Faust).—Black; extra fine. Packet 5 cents, ounce \$1.75.

Pawn.—Beautiful fawn color. Packet 5 cts., ounce \$2.00.
Gold-margined.—Splendid; very showy. Packet 5 cts., ounce \$1.75.

Havanna-brown.—New shades; charming. Packet 5 cents, ounce \$1.75.

Light-blue.—Sky-blue; a lovely shade. Pkt. 5c., oz. \$1.75.

Mahogany.—Peculiar shade; extra. Pkt. 10 cts., oz. \$2.50.

White-margined.—Violet, margined with white; extra. Packet 5 cents, ounce \$1.75.

White.—Pure white, with black centre; very striking. Packet 5 cents, ounce \$1.75.

Yellow.—Pure yellow, with black centre; very showy. Packet 5 cents, ounce \$1.75.

Yellow Gem.—Pure yellow; beautiful. Pkt. 5c., oz. \$1.75.

Extra choice mixed.—Very handsome, large-flowering sorts. Packet 10 cents, ounce \$3.00.

Fine mixed.—Very good quality. Pkt. 5 cts., oz. \$1.50.

Collection eighteen varieties, \$1.25. **Collection** twelve varieties, 75 cents. **Collection** six varieties, 40 cents.

VISCARIA.

Splendid annual for borders or masses. Flowers profusely all summer. Very bright, handsome flowers. Grows best in light, rich soil. One foot.

Cardinalis.—Bright scarlet. Packet 5 cts., ounce 50 cts.

Oculata.—Blue; white eye. Packet 5 cts., ounce 50 cts.

VIRGINIAN STOCK.—See Cheiranthus.

WAHLENBERGIA (Bell Flower).

A genus of splendid, hardy border perennials, with handsome bell-shaped, campanula-like flowers. Easily grown in light soil. Two feet.

Grandiflora.—Blue. Packet 5 cents, ounce 75 cents.

Grandiflora alba.—White. Packet 5 cts., ounce 75 cts.

WAITZIA (Everlasting).

Grandiflora.—Bright yellow, charming Everlasting; flowers in clusters. Pick early, before centre becomes discolored; start under glass, and transplant to open ground in May, ten inches apart. *Annual*. One foot. Packet 10 cts.

VERBENA.

The Verbena is one of the most effective bedding-plants in cultivation, unrivalled in the splendor of its dazzling brilliancy of flower; of very neat habit, a constant bloomer, and if grown from seed has a sweet fragrance. Seeds sown in the open ground in May will flower in August; but if raised in a hot-bed in March or April, and transplanted when four inches high, will show flower in June or July.

Hybrida extra mixed.—Saved from extra selected, named sorts; finest quality in the world. Packet 10 cents, ounce \$3.00.

Hybrida fine mixed. Very superior quality. Packet 5 cents, ounce \$1.50.

Hybrida auricula-flowered.—Saved from extra select auricula-eyed varieties; a superb strain, finest mixed. Packet 10 cents, ounce \$4.00.



VERBENA HYBRIDA AURICULA-FLOWERED.

WALL-FLOWER.

This deliciously fragrant flower is invaluable for beds, borders, and bouquets. The conspicuous spikes of the double German varieties have a charming effect, while the single ones render them exceedingly active. *Half-hardy perennials.*

Finest Double.—German mixed. Two feet. Pkt. 10c., oz. \$4.
Single mixed.—Packet 5 cents, ounce 40 cents.

WHITLAVIA.

Mixed.—Very showy, free-flowering annuals, of dwarf habit, and covered all summer with pretty bell-shaped flowers. Common garden soil. *Hardy annuals.* One foot. Packet 5 cents, ounce 40 cents.



ZINNIA ELEGANS. CHOICE DOUBLE, LARGE-FLOWERED.

ZINNIA.

The large double-flowering Zinnia ranks high in public estimation as a showy, free-flowering, easily grown plant for the summer garden. The finer strains of the large-flowering sorts are really magnificent, the plants being covered from July till frost with a profusion of the handsomest blossoms, in all shades from pure white to dark crimson.

Hybrida candidissima.—Pure white. Pkt. 10 cents, ounce \$3.00.

Hybrida coccinea.—Different shades of scarlet. Packet 10 cents, ounce \$3.00.

Hybrida coccinea fol. aur.—New; golden-yellow foliage and scarlet flowers. Packet 20 cents.

Hybrida cœrulea.—Different shades of blue. Packet 10 cents, ounce \$3.00.

Hybrida, Defiance.—Rich scarlet; the finest bedding scarlet in cultivation. Packet 15 cts., ounce \$4.00.

Hybrida lutea.—Yellow; charming. Packet 15 cents, ounce \$4.00.

Hybrida striata.—Saved from the finest Italian striped varieties. Packet 10 cents, ounce \$3.00.

Citriodora, (Aloysia citriodora (Lemon Verbena)).—A perennial plant with powerfully fragrant leaves; a very popular pot-plant for the window or conservatory, entirely distinct from the common Verbena. Packet 10 cents, ounce \$3.00.

Montana.—A perfect gem; the plant literally covers itself during summer with its bright rose-colored flowers. *Annual.* Perfectly hardy. Packet 5 cents, ounce 75 cents.

XERANTHEMUM (Everlasting).

A beautiful genus of Everlasting flowers, with bright, showy flowers, which are unsurpassed for winter bouquets. Should be cut before they are fully expanded. Of easy cultivation in ordinary garden loam. *Hardy annuals.* 1½ feet.

Double White.—Packet 5 cents, ounce \$1.00.

Double Purple.—Packet 5 cents, ounce \$1.00.

Double Pompon, White.—Pompon-flowered, extra Packet 5 cents, ounce \$1.00.

Double Pompon, Purple.—Pompon-flowered, extra. Packet 5 cents, ounce \$1.00.

To have them flower early seed should be started in heat and afterwards transplanted to the open ground. *Hardy annual.*

Elegant's choice double.—White, scarlet, and mixed. Each, packet 5 cents, ounce \$1.00. **Collection** six colors, 30 cts.

Elegant's choicest double dwarf.—White, yellow, scarlet, and mixed. Each, packet 5 cents, ounce \$1.50. **Collection** six colors, 30 cents.

SUMMER · FLOWERING · BULBS.

AGAPANTIUS (*African Lily*).

One of the handsomest plants for parlor or conservatory decoration. Its large trusses of blue and white flowers, combined with the glossy green of its foliage make it a very attractive object for decorative purposes. Price, *blue*, 75 cents each; *white*, \$1.00 each.

AMARYLLIS.

This magnificent bulbous plant should be in every collection. Its large, drooping, bell-shaped, lily-like flowers are most attractive, varying in color from the richest crimson to pure white, striped with crimson or scarlet. The *Vittata Hybrids* are magnificent, and thrive well in an ordinary parlor. We also recommend very strongly the *Beladonna Lily* and the *Johnson Lily*. They have large, striking flowers of the richest color; magnificent when in full bloom. The *Valloia Purpurea* is perhaps the best known of the family, and it well deserves all its popularity, as it is one of the handsomest flowers in cultivation. None of the members of this genus will stand the winter out of doors; but for pot plants inside during the winter, or for the summer garden, they are unequalled.

Aulica Platypetala.—Rich deep crimson, shaded with maroon; throat of pale yellow, spreading, very handsome. Each, \$1.00.

Defiance.—This is perhaps the finest Amaryllis in cultivation; very large carmine-red flowers, with a bar of white through the centre of each petal; the whole surface flecked and suffused with shadings of white; a sure bloomer, and one that should be in every collection. Price, \$1.00 each.

Johnsoni.—Large crimson flowers, striped with white; free-flowering, very popular and handsome. Price, 75 cts. each; smaller bulbs, 50 cents.

Vittata Hybrids.—These have magnificent large flowers, of various colors and markings; very beautiful. Price 50 cents each.

Vittata Hybrids (White Grounds).—These are exceedingly handsome, with various markings on a white ground. Price 75 cents each.

Vittata Hybrids (Red Grounds).—Different shades of scarlet, striped with white; very handsome. 50 cents each.

Baffin.—A variety of Vittata, with very large, dark crimson-purple flowers. Very finely formed and beautiful. \$1.25 each.

Equestre.—Bright salmon-pink, with a distinct snow-white blotch at the base of each petal, which are gracefully recurved, free-flowering, and very beautiful; unexcelled for pot culture. At the exceedingly low price at which this Amaryllis is now offered, it ought to be within the reach of everybody. Price 25 cents each.

AMARYLLIS ALLIES.

A tamasco Rosea.—Soft, rosy-pink upright flowers; very beautiful. 15 cents each, \$1.00 per dozen.

Treatea.—Lovely, small-growing variety, with pure white, sweet-scented flowers of easy cultivation. 10 cents each, 90 cents per dozen.

Formosissima (Jacobean Lily).—Intense velvety crimson. 30 cents each, \$2.00 per dozen.

TUBEROUS-ROOTED BEGONIAS.

This magnificent class of flowers is not nearly so extensively grown as they should be. For the decoration of the summer flower-garden there are few subjects which can equal them in their variety of flowering and freedom of bloom. Planted out in a bed like geraniums, they continue a mass of flowers during the whole summer, and they are as easily grown as geraniums or any of the other ordinary bedding plants, and are certainly far superior to many species of plants that are now largely grown for bedding purposes. The colors range from white, salmon, and yellow to the most dazzling scarlet and crimson. They withstand heat remarkably, and continue to bloom when nearly all other flowers fall to open their blossoms. The tubers may be preserved during the winter the same as Gladiolus.

Single varieties, best mixed, 20 cents each; \$2 per dozen.

Double varieties, best mixed, 40 cents each; \$4 per dozen.

GARDINER'S SELECTED GLADIOLUS.

There are few subjects which produce such a gorgeous effect as this magnificent autumn-flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. The great wealth and variety of color, the richness of their markings, the size of the flowers, and profusion of bloom all combine to make them one of the most effective plants for the garden, either for massing, ribboning, or for growing as single specimens. The English and French have long vied with each other in producing new and improved varieties of this flower; the advance made in late years being remarkable. The hybrids produced recently by Monsieur Lemoine, of Nancy, are an entirely new departure, comprising in the twenty or thirty varieties already in existence, the most magnificent orchid-like coloring; being blotched and emblazoned with the most distinct and charming colors. We advise all who have not already grown these splendid

hybrids to try them, and they will be delighted with the results.

Culture.—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May up to the end of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

HYBRIDS OF GANDAVENSIS.

Red of various shades, 35 cents per dozen, \$1.25 per 50.

White and light shades, 65 cents per dozen, \$1.75 per 50.

Pink of various shades, 60 cents per dozen, \$1.50 per 50.

Striped and variegated, 60 cents per dozen, \$1.50 per 50.

Yellow of various shades, 75 cents per dozen, \$2.00 per 50.

MIXED, ALL COLORS.

Gardiner's fine mixed, 30 cents per dozen, \$1.00 per 50.

Gardiner's extra fine mixed, 40 cents per dozen, \$1.50 per 50.

Gardiner's choice seedlings, 75 cents per dozen, \$2.50 per 50.

LEMOINE'S HYBRID GLADIOLUS.

This brilliant class of Gladiolus was originated by Mr. Lemoine, of Nancy. They are unequalled for their magnificent orchid-like coloring which reaches its climax in the blotch, a typical and remarkable feature of this class.

Enfant de Nancy.—Flower purplish-red; lower petals deep crimson, a color heretofore unknown in Gladiolus. 30c. each.

Froebell.—Flesh color, striped and tinted crimson, carmine blotch, bordered with yellow. 25 cents each.

Gambetta.—Deep purple striped with crimson, throat light violet. 50 cents each.

Incendiary.—Brilliant vermilion, lower petals small, rose color; purple throat, large and fine. 75 cents each.

Lafayette.—Crimson and salmon with blotches on the lower petals; very large and handsome flowers. 30c. each.

Marie Lemoine.—Long spike of well-expanded flowers; upper divisions, flesh with salmon-lilac; the lower divisions spotted purple-violet, and bordered with deep yellow. 25 cents each.

Talma.—Lilac, lower divisions violet-brown. 50 cts. each.

Extra fine mixed Lemoine seedlings.—Raised from seed from the finest named varieties, and selected for their brilliancy and distinctness. Many of them will prove equal to the finest named sorts, 15 cents each, \$1.00 per dozen.

Fine mixed Lemoine seedlings.—Not quite so fine as the preceding, but a very superior grade; 10 cents each, 75 cents per dozen.

Note.—We have catalogued only a few of the most distinct named varieties of Gladiolus. Those who desire a larger list to choose from will please write for special descriptive list of Hybrid Gladiolus, containing descriptions and prices of hundreds of different varieties.

GLOXINIAS.

A beautiful class of spring and summer flowering greenhouse plants with large bell-shaped flowers of great substance and remarkable diversity of color, running through different shades of blue, purple, crimson, and white, some being tigered and spotted. Strong bulbs, very fine, assorted colors, 25 cents each; \$2.50 per dozen.



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LEMOINE'S NEW HYBRID GLADIOLUS.

the reach of everybody.

LILIES.

THE lily family has long been a favorite class of plants, being almost as important historically, and disputing the regal sway of the rose, our "Queen of Flowers." The universal popularity which they now enjoy, is of recent date, however, dating back no further than to a few years ago, when the "Golden-Banded Queen of Lilies" from Japan burst upon us in all its glory, and took the senses of the astonished public by storm. Since that time, their cultivation has gone on increasing, and the introduction of many other noble varieties from Japan, California, and other climes has enriched the charms of this beautiful family, and made them objects of unbounded admiration wherever seen. Nearly all the varieties will thrive well in ordinary garden soil, planted in the border or around the margins of shrubberies, or even massed in beds by themselves. A few of the varieties are better planted in the fall. Those we catalogue now may be successfully grown if planted in May or June. For a full list of all kinds of lilies, see our fall catalogue, sent post-free to all as soon as published in September.

Auratum (*Yam-Yuro*, or *Hill Lily of the Japanese*).—The **Golden-Banded Queen of Lilies**.—Ivory-white ground, richly strewn with purple studs. The centre of each petal has a broad band of yellow extending from tip to base. We offer, this season, a large stock of this peerless variety, which, beyond question, is the grandest of all the lily family. Fully expanded, the flowers measure nearly a foot across, are produced abundantly, and possess a most delicious fragrance. Price, 20 cents each; \$2.00 per dozen.

Speciosum Rubrum (*syn.: Lancifolium rubrum*).—White, heavily spotted with rich crimson studs. The speciosum and its varieties are magnificent plants for massing in beds or for borders, and are also excellent for pot culture. Height 3 feet. Price 15 cents each; \$1.50 per dozen.



Speciosum Roseum.—White, stained and spotted rose. Height three feet. Price, 15 cents each; \$1.50 per dozen.

Speciosum Roseum Album. Large white flowers of great substance, with a greenish band running through the centre of each petal; very fine. Height three feet. Price, 25 cents each; \$2.50 per dozen.

Tigrinum Splendens (*Tiger Lily*).—The best of the tiger lilies, black polished stems, six feet high, supporting a pyramid of fiery scarlet flowers, spotted with crimson. Price, 10 cents each; \$1.00 per dozen.

EUPHORBIA COROLLATA.

Covered all summer with pure white flowers, as shown in our engraving. There are few things so valuable for cutting as this. It is a perfect gem; one of the finest things we know of. Perfectly hardy; easily cultivated; once planted, it continues to flower year after year, furnishing an endless supply of flowers for bouquets and other purposes. Each, 5 cents; \$1.00 per dozen.

MADEIRA VINE.—A splendid climber, bearing racemes of fragrant white flowers. Excellent for screens or trellis work. Rapid grower, and one of the finest vines for sunny situations. Beautiful light green leaves. The tubers are preserved in sand during the winter, like dahlias, 5 cents each, 50 cents per dozen.

TIGRIDIA (*Tiger Flower*).

A beautiful and well-known genus, with large flowers of most striking and elegant appearance. In bloom from July to October. Take up the bulbs in the fall and store in a dry place, away from frost, in the same way as *Gladiolus*. Height eighteen inches.

Tigridia Conchiflora.—Rich orange, variegated with golden-yellow and spotted with black. Each, 5 cents; dozen, 50c.

Tigridia Grandiflora.—Crimson; very fine. Each, 5c.; doz. 50c.

Tigridia Grandiflora Alba.—Pearly-white, with brown spots; splendid. Each, 10 cents; dozen \$1.00

TUBEROSES.

The tubers of this delightfully fragrant flower may be planted any time from January to May. Where a succession of flowers are required, planting may be begun in January in a warm greenhouse or conservatory; but where convenience is limited to a hot-bed or greenhouse, the best time is from March to May. In planting, remove the useless, small offsets round the tuber. Do not plant outside before first of May. Give plenty of water when growing, but not too much when first planted. The plants delight in sunshine, and should be given a light, airy position in the garden. If planted at intervals, for succession, the late-blooming plants may be taken indoors at the approach of frost, when they will open out beautifully and give great satisfaction. The best size of pot for a single tuber is six inches, for three tubers eight inches.

"PEARL" TUBEROSES.—The best variety; grows dwarf, and produces very large double flowers. Deliciously fragrant. Height 2½ feet. Each, 5 cts.; dozen, 50 cts., by mail. By express, at customers expense, each, 4 cts.; dozen 40 cts.; per hundred \$2.00.



PEARL TUBEROSE.

HARDY HERBACEOUS PERENNIAL PLANTS.

These are now receiving more attention than they have for many years. For adding variety to the garden and for making permanent beds and borders at small expense they are unsurpassed. Some of our oldest and most popular flowers are included under this heading, together with all the recent introductions of merit; and no establishment, however small, is complete without these useful auxiliaries of our summer-bedding plants. By a proper selection of varieties, flowers can be had in succession from April to November.

Our selection of the best sorts for variety of flower and succession of bloom at the following low rates:

Price per 100 in 25 fine sorts, \$15.00; per 100 in 50 fine sorts, \$20.00; per 100 in 100 fine sorts, \$25.00.
(By Express at Customers' Expense.)

All the varieties in the following list mailed free at prices quoted:

Achillea (Yarrow).—Double white. 1½ feet. July. 25 cents.

Aconitum (Monkshood).—Blue, tipped white. Two feet. July. 25c.

Adonis (Pheasant's Eye).—Yellow, finely cut flowers. 1 ft. April. 25c.

Allium moly (Golden Allium).—Yellow. 1½ feet. June. 15 cents.

Althea rosea (Hollyhock).—We have a fine collection of the best double sorts of all shades; red, yellow, salmon, copper, purple, white, etc. Six feet. August. 25 cents.

Alyssum saxatile compactum (Golden Tuft).—Bright yellow. One foot. May. 35 cents.

Anemone Japonica (Japan Anemone).—Pink, yellow stamens. Two feet. September and October. 25c.

Anemone Japonica Alba (Honorable Jobert).—A most lovely variety of the above, with large, pure white flowers; continue to flower very late in fall. 2 ft. Oct. and Nov. 25 cts.

Aquilegia Chrysantha (Golden Columbine).—Large, orange. Three feet. June and July. 30 cents.

Aquilegia Coerulea (Columbine).—Beautiful blue. Three feet. June and July. 35 cents.

Armeria (Thrift).—Pink; fine for bordering. 6 in. Summer. 25 cts.

Campanula Carpatia (Carpathian Bell Flower).—Bright blue, compact, fine. 1 ft. June to Aug. 35c.

Coreopsis Lanceolata (Lance-leaved C.).—Bright yellow, a mass of flowers all summer, very fine. Two feet. 20 cents.

Delphinium Formosum (Perennial Larkspur).—Long spikes of bright blue flowers; splendid. Three feet. June. 25 cents.

Dianthus Barbatus (Sweet William).—Fine colors. One foot. June. 20 cents.

Dianthus Plumarius (Garden Pink).—Pink; fine for bordering. 20 cents.

Dicentra Spectabilis (Bleeding Heart).—Pink and white, 2 to 2 feet. May and July. 35 cents.

Dictamnus Fraxinella.—Purple in spikes; whole plant strongly scented. 2 feet. June and July. 35 cents.

Erysimum Pulchellum (Treacle Mustard).—Bright yellow, for rock-work. Six inches. April. 25 cents.

Euonymus radicans variegatus (Variegated Japanese Box).—The finest edging in the world for walks, etc. Far superior to Common Box in appearance, and perfectly permanent and hardy, which the box is not; can be trimmed to any shape. 20 cents.

Eupatorium Argeratoides (White Thoroughwort).—White. Three feet. June and July. 25c.

Funkia Subcordata (White Day Lily).—White; fragrant. Two feet. All summer. 25 cents.

Gentiana Acaulis (Blue Gentian).—Rich blue; vase-formed, stemless. 3 in. May. 50 cts.

Smaller plants, 30 cents.

Helianthus Multiflorus, fl. pl. (Double Perennial Sunflower).—Hardy, double, golden-yellow; flowers three inches in diameter; profusely produced, very beautiful; the best sunflower grown. Five feet. Aug. to Nov. 25 cents.

When twelve or more of any one sort are ordered, 15 per cent. may be deducted from the above single prices.



COREOPSIS LANCEOLATA.

(Torrey's Penstemon).—Racemes of bright crimson flowers, very showy. Three feet. July to September. 25 cents.

Phlox Decussata (Perennial Phlox).—Large assortment, white, carmine, salmon, purple, lilac, rose, etc. Three feet. July to October. 25 cents.

Phlox Subulata (Moss Pink).—Dwarf plant, with mossy evergreen foliage, covered with delicate flowers; there are varieties with pink, purple, white, and rosy-eyed flowers. Three inches. May. 25c.

Platycodon Grandiflora (Large Bellflower).—Large, deep blue, bell-shaped flowers; very ornamental. Two feet. July and August. 25 cts.

Platycodon Grandiflora alba (Large White Bellflower).—A white variety of the foregoing. Two feet. July and August. 25 cents.

Pyrethrum Hybridum.—Single and double, various colors. One foot. July. 50 cents.

Sedum Acre (Stone Crop).—Low, compact, creeping plant, fine for rock-work in poor soil; flowers, yellow. Two in. June. 10 cents each.

Sempervivum (House Leek).—Thick glaucous leaves in rosettes, fine for rockeries and carpet bedding; we have many varieties of varied and interesting colors, both flowers and leaves; our selection. 15 cents; \$10.00 per 100.

Trillium Grandiflorum (Large-Flowered Wake Robin).—Large pure white flowers, changing to rose; one and a half to two inches long, very fine. One foot. May. 25 cents each.

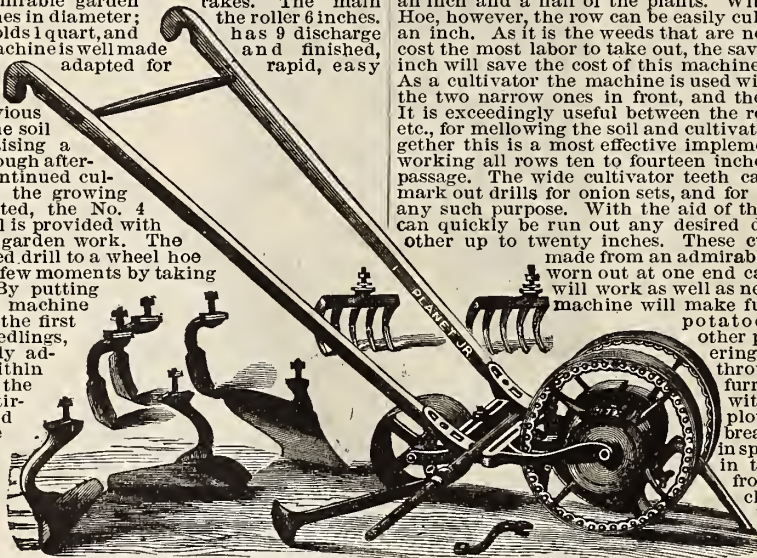


HELIANTHUS MULTIFLORUS, FL. PL.

When twelve or more of any one sort are ordered, 15 per cent. may be deducted from the above single prices.

PLANET JR. GARDEN TOOLS.

No. 4. GARDEN SEED DRILL, WITH WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED.—This is the most popular combined garden tool known, and deservedly so, for in its admirable construction it combines strength, simplicity, and perfection of work. It has been for years unequalled as a seed planter, and is provided with the most varied and satisfactory set of cultivating attachments, supplemented by the addition of a pair of admirable garden rakes. The main wheels are 11 inches in diameter; the roller 6 inches. The seed drum holds 1 quart, and has 9 discharge openings. The machine is well made and adapted for planting, and thoroughly adapted for rapid, easy planting. But as no perfection of preparation of the soil will avail in raising a good crop, if thorough after-attention and continued cultivation through the growing season is neglected, the No. 4 Garden Seed Drill is provided with a set of tools for garden work. The change from a seed drill to a wheel hoe can be made in a few moments by taking out two bolts. By putting on the hoes the machine is now ready for the first hoeing of small seedlings, and can be safely adjusted to cut within half an inch of the rows, perfectly stirring the earth, and leaving it friable and broken, with all weeds destroyed. The peculiar shape of the hoes was invented after careful experiments and by comparing everything of a similar character. The pattern has stood the test of many years successful work, and has the following practical advantages: It cuts next to the rows with the edge slanting forward, which insures a clean cut close to the rows without



No. 4. GARDEN SEED DRILL, with Wheel Hoe, Cultivator, Rake, and Plow Combined.

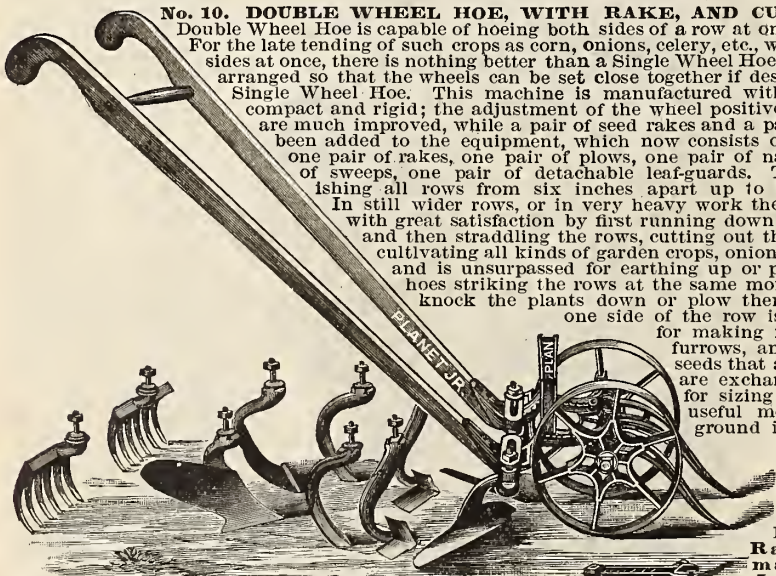
No. 4 Garden Seed Drill (without attachments), manufacturers' price, \$9.00. John Gardiner & Co.'s net cash price, \$7.50.

No. 4 Garden Seed Drill, with Wheel Hoe, Cultivator, Rake and Hoe Combined, manufacturers' price, \$12.00. John Gardiner & Co.'s net cash price, \$10.40.

Onion Set Attachment, extra, 50 cents.

Onion Set Gatherer, extra, \$1.25.

No. 10. DOUBLE WHEEL HOE, WITH RAKE, AND CULTIVATOR COMBINED.—The Double Wheel Hoe is capable of hoeing both sides of a row at one passage for all young seedlings. For the late tending of such crops as corn, onions, celery, etc., which grow too tall to be hoed both sides at once, there is nothing better than a Single Wheel Hoe. The No. 10 Double Wheel Hoe is arranged so that the wheels can be set close together if desired, when it works perfectly as a Single Wheel Hoe. This machine is manufactured with the greatest care, the frame is compact and rigid; the adjustment of the wheel positive and easy. All the attachments are much improved, while a pair of seed rakes and a pair of detachable leaf-guards have been added to the equipment, which now consists of one pair of curved point hoes, one pair of rakes, one pair of plows, one pair of narrow cultivating teeth, one pair of sweeps, one pair of detachable leaf-guards. This machine is capable of finishing all rows from six inches apart up to eighteen inches at one passage. In still wider rows, or in very heavy work the Double Wheel Hoe can be used with great satisfaction by first running down the centre between the two rows and then straddling the rows, cutting out the remainder. It can be used for cultivating all kinds of garden crops, onions, peas, potatoes, corn, celery, etc., and is unsurpassed for earthing up or plowing delicate plants. The two hoes striking the rows at the same moment, do not have a tendency to knock the plants down or plow them under as happens when only one side of the row is plowed. They are splendid for making rows setting out plants, opening furrows, and covering and manuring large seeds that are dropped in the furrow. They are exchangeable and can readily be used for sizing furrows away from the rows; a useful method of cultivation where the ground is becoming hard or weedy.



No. 10. DOUBLE WHEEL HOE, WITH RAKE, AND CULTIVATOR COMBINED.

Double Wheel Hoe (without attachments), manufacturers' price, \$4.50. John Gardiner & Co.'s net cash price, \$4.00.

Double Wheel Hoe, Cultivator, Rake, and Plow combined, manufacturers' price, \$8.00. John Gardiner & Co.'s net cash price, \$6.75.

danger of disturbing the plants, even when very small, while a hoe any other shape, be it keen as it may, is sure to upturn to a greater or less extent the crust of earth on which the tender plants are starting. Than this hoe we know of nothing that will cultivate the onion crop more successfully, as the drill can be worked very closely, and both sides at once. With ordinary single wheel hoes, that work only between the rows, it is impossible to approach within an inch and a half of the plants. With the "Planet Jr." Hoe, however, the row can be easily cultivated within half an inch. As it is the weeds that are nearest the row that cost the most labor to take out, the saving of even half an inch will save the cost of this machine in a single season. As a cultivator the machine is used with the three teeth, the two narrow ones in front, and the wide one behind. It is exceedingly useful between the rows of peas, beans, etc., for mellowing the soil and cultivating the crop. Altogether this is a most effective implement, and capable of working all rows ten to fourteen inches wide at a single passage. The wide cultivator teeth can also be used to mark out drills for onion sets, and for large seeds, and for any such purpose. With the aid of the marker the rows can quickly be run out any desired distance from each other up to twenty inches. These cultivator teeth are made from an admirable model, and when worn out at one end can be reversed and will work as well as new. As a plow this machine will make furrows for manure, potatoes, and for many other purposes. The covering can be done by throwing one of the two furrows on the work with the plow. The plow is also useful for breaking up the ground in spring, by going twice in the same furrow, from three to four inches deep, doing the work ten times as fast as can be done with an ordinary spade; and during the season it is very useful for cultivating large plants, such as corn, celery, etc. As a combined Garden Rake the machine is used for evening and leveling the ground, and for delicate cultivating and covering; also for raking up stones, brush, etc.

PLANET JR. GARDEN TOOLS.—Continued.

No. 17. SINGLE WHEEL HOE, CULTIVATOR, RAKE, AND PLOW COMBINED.—The Single Wheel Hoe, as now remodelled, is admitted by practical men to be unequalled in strength, simplicity, capacity for work and durability. With all the latest improvements, this machine combines the following equipment:



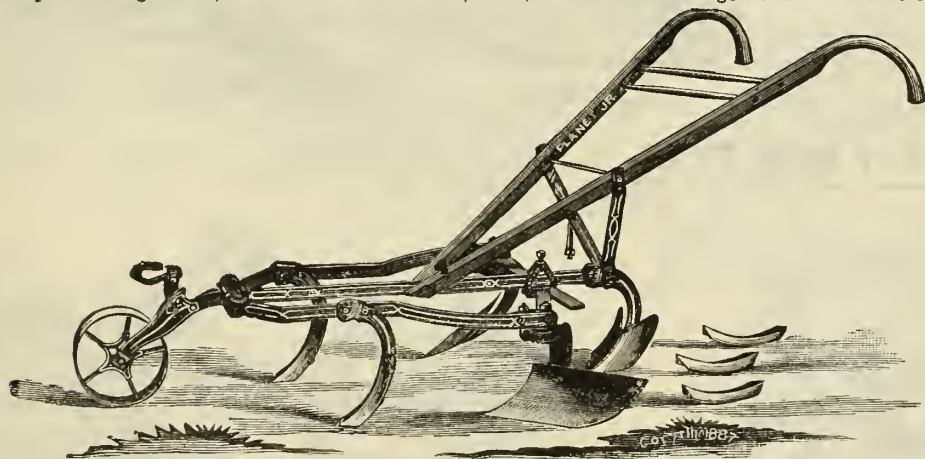
one pair of curved point hoes, one pair of rakes, one pair of sweeps, one broad cultivating tooth, one large garden plow, one detachable leaf-guard. Owing to its lightness, the Single Wheel Hoe is preferred by many to the Double Hoe. The Single Hoe is intended chiefly to work between the rows, but it can also be used to hoe both sides of the row at once by simply changing the wheel to one side of the frame. This is a very important advantage as will readily be apparent. The wheel has a broad face, and can be quickly raised or lowered to change the depth. The hoes, being close to the wheel, work with great regularity. For very wide or very heavy work it is generally best first to cut out the centre of the row rapidly and finish the delicate, close work afterwards. The plow attachment is invaluable for plowing ground for garden use, going twice in the same furrow when wanted deep; also for opening furrows for manure, potatoes, etc., and is particularly valuable for the cultivation of such crops as corn, potatoes, beans, celery, etc. It has but one slot to which, however, all the attachments are so fitted as to work in the best manner, and there is no getting them wrong—a great advantage to beginners—or when the tool is placed with inexperienced help. When the long hoes are used, they are placed almost opposite each other, but not quite. If they were set exactly opposite, there would be danger of catching small sticks or other trash, which would be apt to tear out or injure the plants; but when set one a little behind the other, this is entirely avoided, and the work can be done both faster and closer. The rakes are used for light cultivation or for covering seeds, and are especially useful in leveling or smoothing the ground preparatory to planting, a very important thing where hand tools are afterwards to be used. The hoes can be adjusted to work either deep or shallow, narrow or wide, and they will leave the ground nearly level, finishing all the rows up to sixteen inches apart at a single passage. The combination in this machine is the most complete ever offered to the public. The arrangements are the simplest, the parts the strongest, and the finish the best ever made, and we feel confident that every one who tries this machine will find it as represented.

No. 17. SINGLE WHEEL HOE, CULTIVATOR, RAKE, AND PLOW COMBINED.

Single Wheel Hoe, Cultivator, Rake, and Plow combined, manufacturers' price, \$6.00. John Gardiner & Co.'s net cash price, \$5.25.
Single Wheel Hoe (without attachments), manufacturers' price, \$4.50. John Gardiner & Co.'s net cash price, \$4.00.

No. 27. THE PLANET JR. HOLLOW STEEL STANDARD HOE AND CULTIVATOR WITH WHEEL.—No stone has been left unturned to reach perfection in these valuable implements. As now perfected and improved, they would hardly be recognized as having any connection with the original machine. All the parts are made of steel, the neck being formed by very superior process, and the side bars hinged so as to form with the improved hinge blade, a firmer frame than can

be obtained in the usual way. The side-bar design gives neatness, and firmness. The two front teeth are three inches wide, and of such a form as to enter the soil and turn weeds upside down for the easy working of the rear blades. The two side hoes are well adapted for working all kinds of crops. The tool is very useful for drawing furrows where fertilizers are to be put in the row, or where potatoes or other crops are to be planted. Where deep working of the soil is wanted, and no furrow is to be made, the tool can be changed with cultivator teeth, which



No. 27. THE PLANET JR. HOLLOW STEEL STANDARD HOE AND CULTIVATOR.

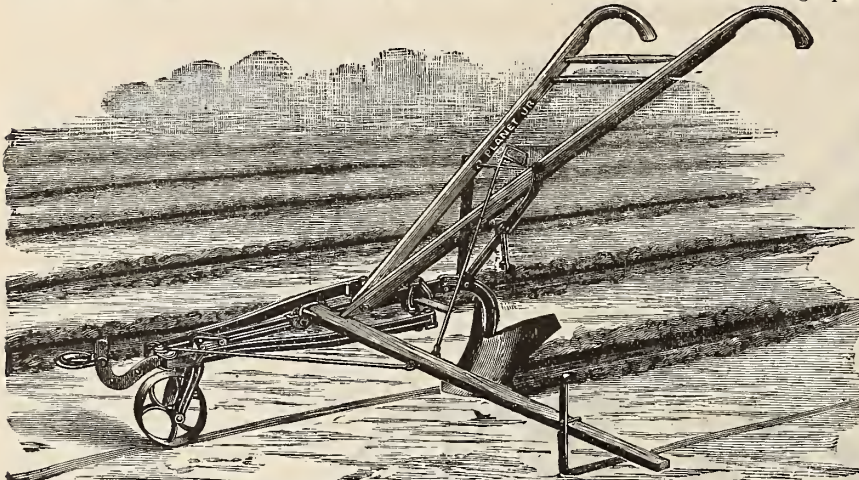
be obtained in the usual way. The side-bar design gives parallel parts, thus enabling the cultivator standards to be made interchangeable so that when removed for different work, they can be returned without trouble or confusion. The Hollow Steel Standard is the strongest design ever invented. The throat approaches perfection, as being round and smooth and extra high, it closes itself admirably, therefore running lighter. The patent blade is superior for fine or coarse work to all others. The Sleeved Bolt Hoe gives distinct advantages as to strength,

accompany every combined machine, as shown in the engraving. The two front teeth and the rear one are capable of adjustment for depth, while the side teeth are adjustable for angle, to throw much or little towards the row, the middle tooth is in the rear and is much broader than the others. By this method the tool will not leave an open furrow next the plants, the broad tooth in the rear filling up the furrows left by the others. This is considered important by skillful truckers, whose well-earned reputation enables them to speak with authority.

Standard Steel Horse Hoe, and Cultivator, with Wheel, manufacturers' price, \$11.00. John Gardiner & Co.'s net cash price, \$8.75.
The same machine, without Wheel, manufacturers' price, \$10.00. John Gardiner & Co.'s net cash price, \$8.00.

PLANET JR. GARDEN TOOLS.—Continued.

No. 33. PLANET JR. STANDARD HORSE HOE, WITH FURROWING AND MARKING ATTACHMENT. This is an excellent device for marking out ground for potatoes, corn, cotton, cabbage, etc., furrowing at any width from two to five feet. All who have the horse hoe should have this attachment. A single passage of these teeth leaves



a furrow in many respects superior to that made by two passages of a one-horse plow. It is used to great advantage in hilling up white and sweet potatoes and all crops not planted over $3\frac{1}{2}$ feet apart. As shown in the engraving, a special tooth is supplied with this attachment to be used on the rear, level with the hoe. When used for furrowing only, it is placed on the rear stand-ard with all the other teeth removed, or with the three front teeth on the middle bar. In ordering this attachment, write for the furrowing and marking attachment for the "Planet Jr." Horse Hoe and Cultivator, with Wheel, figure 33. These attachments are supplied at the following prices:

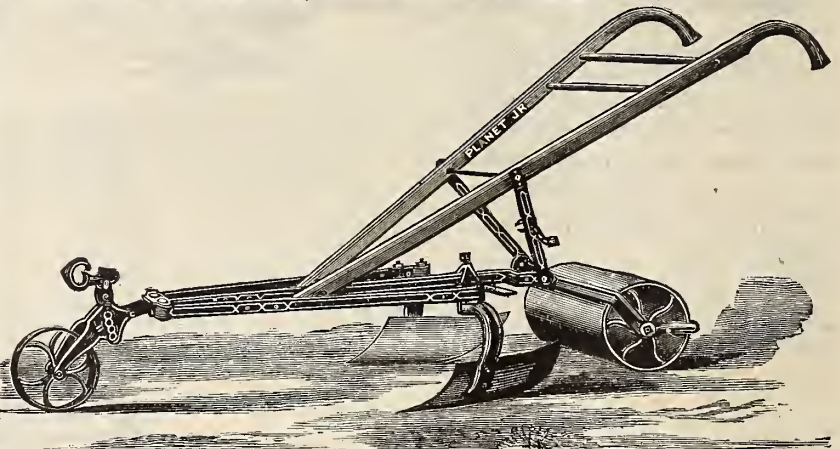
Furrowing Steel, \$2.
Marking Attachment, \$2.

No. 33. PLANET JR. STANDARD HORSE HOE, WITH FURROWING AND MARKING ATTACHMENT.

No. 34. PLANET JR. HORSE HOE, WITH ROLLER ATTACHMENT.

When the furrow has been made by the horse hoe as shown in figure 33, and it is ready to be covered; instead of using two furrows of a one-horse plow, use the covering attachment of the horse hoe, and the work can be better done in half the time. It should be arranged as shown in the engraving. With the hoes high in this form it is especially desirable for covering early potatoes, and in all cases where deep covering is needed, although when desired to be used narrow or in the side of a field, it can be set as wanted by adjusting the wheel and roller or rake.

The Price of the Roller Covering Attachment is \$2.50. Rake Covering Attachment which is used for cloddy soil, and is sometimes used in place of the Roller, price, \$1.25.

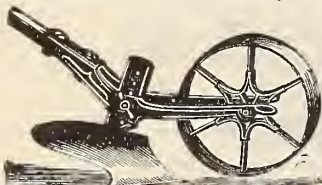


No. 34. PLANET JR. HORSE HOE, WITH ROLLER ATTACHMENT.

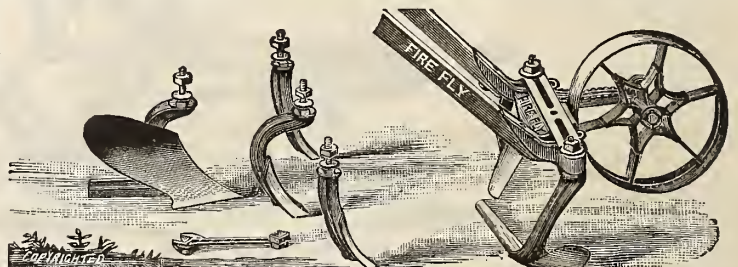
FIRE-FLY HAND TOOLS.

The Fire-Fly Hand Tools are very neat and convenient. They have been thoroughly remodelled for this season, and are now stronger, simpler, and capable of greater variety of work than ever. These excellent light machines are especially designed for those with small gardens who cannot afford to spend much time and labor, and for whom the larger "Planet Jr." goods are unsuited.

NOTE.—We will mail on application an illustrated catalogue of 33 pages, with many valuable hints on the cultivation of the soil, and instructions for the use of the "Planet Jr." and "Fire-Fly" tools.



No. 23. FIRE-FLY WHEEL GARDEN PLOW.



No. 26. FIRE-FLY SINGLE WHEEL HOE, CULTIVATOR, AND PLOW COMBINED.

FIRE-FLY WHEEL GARDEN PLOW.—This valuable little machine is of cast-iron, except the mould-board which is tempered and polished steel. It is capable of throwing a furrow of four to six inches, and one to three inches deep, and by going twice in the same furrow can be made to do admirable work and much faster than with the spade. It is easily handled by one person, the labor being light and rapid. The tool should be pushed one stroke to a step.

Manufacturers' price, \$2.50. John Gardiner & Co.'s net cash price, \$2.15.

FIRE-FLY SINGLE WHEEL HOE, CULTIVATOR, AND PLOW COMBINED.—This neat and convenient machine as now improved has the following equipment: One pair of curved point hoes, one pair of narrow cultivating teeth, one wide cultivating tooth, one large garden plow. This implement is invaluable for furrowing, covering, hilling potatoes, corn, celery, etc., and for all coarse work in large gardens. It is light and easy to work, and at the same time a thorough, strong and reliable implement.

Price, Single Wheel Hoe, Cultivator, and Plow combined, manufacturers' price, \$5.00. John Gardiner & Co.'s net cash price, \$4.50.

PHILADELPHIA LAWN MOWER FOR 1890.

The
Mower
for the
Million.



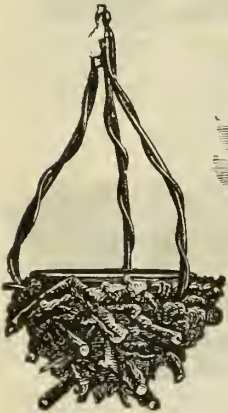
We are often asked to give our opinion as to the best lawn mower. There are at least half-a-dozen different makes which we could recommend as being excellent. While we do not wish to say a word in disparagement of any of the many excellent mowers on the market, we have, after carefully weighing the *pros* and *cons* of the different claimants, come to the conclusion that the **Philadelphia** is at the head of the list if we consider elegance of workmanship, durability, ease of working, and other essential points that go to the making of a *perfect* lawn mower. There may be cheaper mowers, but there are none *better*. After an experience of many years, and the testing of nearly all the different makes, we give it as our candid opinion that take it for all in all, the **Philadelphia** is the mower "for the million," and we therefore handle it exclusively. We have made special arrangements with the makers, and offer at the following greatly reduced prices.

PRICE-LIST.

10 inches,	\$6.50	18 inches,	\$10.50
12 "	7.50	20 "	11.50
14 "	8.50	30 " (pony),	57.00
16 "	9.50	36 " (horse),	133.00

ORNAMENTAL RUSTIC WORK.

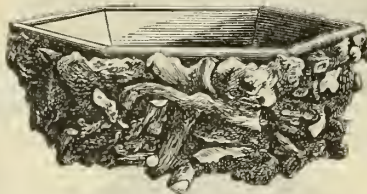
Nothing adds to the artistic finish of a lawn and grounds so much as a few well-filled rustic vases and baskets. Our stands, vases, and baskets are made after the most approved patterns, and are celebrated for their elegance of outline and finish, while they are also most substantially made and will last for years. Some idea of the appearance of these vases, etc., may be obtained from the annexed engravings, each pattern being manufactured in several different sizes.



No. 6.—Hanging Basket.
8 inches, \$0.50
9 "60
10 "75
11 "90
12 " 1.00
13 " 1.25
14 " 1.50
15 " 1.70



No. 13.—Window Box, 18 inches, \$1.00
" " " 24 " 1.50
" " " 30 " 2.00



No. 11.—Stump Box, 16 inches, \$1.00
" " " 20 " 1.50
" " " 24 " 2.00



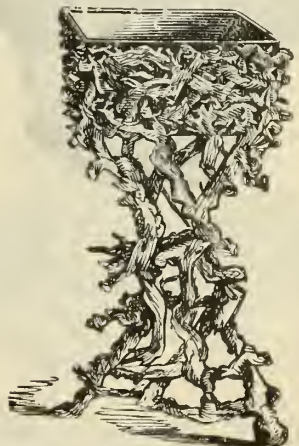
No. 19.—Round Vase, 15 inches, \$4.00



No. 10.—Oblong Vase, 18 inches, \$2.25
" " " 24 " 3.50



No. 5.—Hexagon Vase, 16 inches, \$2.00
" " " 20 " 2.50
" " " 24 " 4.00



No. 18.—Square Vase, 13 inches, \$2.00
" " " 17 " 3.50

ORNAMENTAL POTTERY.



No. 220.—Flower Pot. Dark lavender, ornamented with silver-grey and black. 7½ inches. 50 cents each, \$5.00 per dozen.



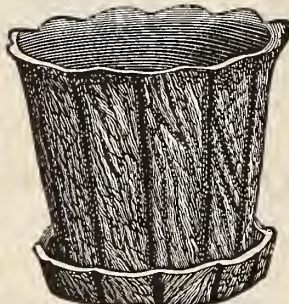
No. 222.—Flower Pot. Old gold reousse. 6 inches, 50 cents each, \$5.00 per dozen. 8 inches, 70 cents each, \$7.00 per dozen.



No. 101.—Flower Pot. Old gold and bronze. 5 inches, 30 cents each, \$3.00 per doz. 7 inches, 40 cents each, \$4.00 per dozen.



No. 3.—Flower Pot. Imitation oak. 4 inches, 17 cents each, \$1.75 per dozen. 5½ inches, 27 cents each, \$2.75 per dozen. 7 inches, 42 cents each, \$4.25 per dozen.



No. 76.—Flower Pot. Rustic; silver-grey. 5 inches, 20 cents each, \$2.00 per dozen. 6 inches, 30 cents each, \$3.00 per dozen. 7½ inches, 40 cents each, \$4.00 per dozen.



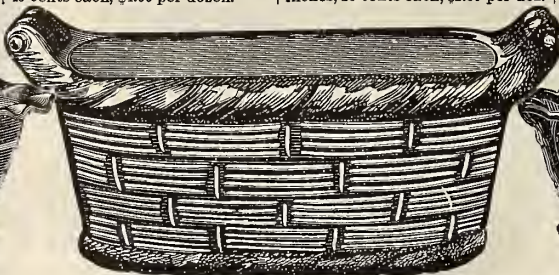
No. 219.—Flower Pot. Rustic; dark brown. 4½ inches, 15 cents each, \$1.50 per dozen. 5½ inches, 20 cents each, \$2.00 per dozen. 7 inches, 25 cents each, \$2.50 per doz.



No. 75.—Flower Pot. Rustic, with holly spray (scarlet and green). 4½ in., 20c. each, \$2 per doz. 5½ in., 30 cents each, \$3.00 per doz. 7 in., 40 cents each, \$4.00 per doz.



No. 16.—Hanging Pot. Carmine, with gold band. 7 in., 20c. each, \$2.00 per doz. 8 in., 25c. each, \$2.50 per doz. 9 in., 30c. each, \$3.00 per doz.



No. 52.—Hanging Basket. Finished in bronze. 8 inches, 40 cents each, \$4.00 per doz. 10 inches, 50 cents each, \$5.00 per dozen.



No. 19.—Hanging Pot. Rustic; deep brown. 7 in., 27c. each, \$2.75 per doz. 8 in., 37c. each, \$3.75 per doz. 9 inches, 45c. each, \$4.50 per doz.



No. 18.—Hanging Pot. Imitation marine; black, blue, and gold. 7 inches, 30 cents each, \$3.00 per dozen. 8 inches, 40 cents each, \$4.00 per doz. 9 inches, 50 cents each, \$5.00 per doz.



No. 262.—Hanging Pot. Carmine, bordered with black and gold. 8 inches, 35 cents each, \$3.50 per dozen.

Brass Chains for Hanging Pots, with Rings and Swivel complete, 20 cents each, \$2.00 per dozen.



No. 25.—Hanging Pot. Imitation tree stump. 6 inches, 30 cents each, \$3.00 per doz. 7 in., 40c. each, \$4.00 per doz. 8 in., 50c. each, \$5.00 per doz. 9 in., 60 cts. each, \$6.00 per doz.

STANDARD FLOWER POTS.—The style and sizes are those adopted by the Society of American Florists, 1888. Inside measurement.

Size.	Per dozen.	Per 100.	Per 1000.	Size.	Each.	Per dozen.	Per 100.	Per 1000.	Size.	Each.	Per dozen.	Per 100.	Per 1000.	Size.	Each.	Per dozen.	Per 100.	Per 1000.
1¾ in.,	\$0.08	\$0.50	\$4.00	3 in.,	\$0.02	\$0.12	\$0.80	\$6.50	6 in.,	\$0.06	\$0.56	\$3.75	\$30.00	10 in.,	\$0.24	\$2.38	\$15.95	\$127.50
2 "	.09	.55	4.50	3½ "	.02	.18	1.25	10.00	7 "	.09	.84	5.60	45.00	11 "	.33	3.28	21.85	175.00
2½ "	.10	.60	5.00	4 "	.03	.21	1.45	11.50	8 "	.12	1.17	7.80	62.50	12 "	.38	3.75	25.00	200.00
3 "	.11	.70	5.75	4½ "	.04	.33	2.25	18.00	9 "	.21	2.06	13.75	110.00	14 "	.60	5.81	38.75	310.00

FLOWER POT SAUCERS.

3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	12 in.	14 in.
25c. doz.	30c. doz.	36c. doz.	5c. ea., 50c. doz.	6c. ea., 60c. doz.	8c. ea., 80c. doz.	13c. ea., \$1.30 doz.	16c. ea., \$1.60 doz.	24c. ea., \$2.40 doz.	28c. ea., \$2.80 doz.

SQUARE SEED PANS.

6 in., 20c. each.	8 in., 28c. each.	10 in., 34c. each.	12 in., 40c. each.	8 in., 18 cents each.
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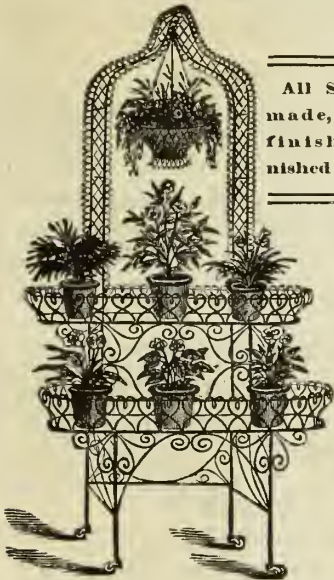
ROUND SEED PANS.

10 in., 21 cents each.	12 in., 24 cents each.
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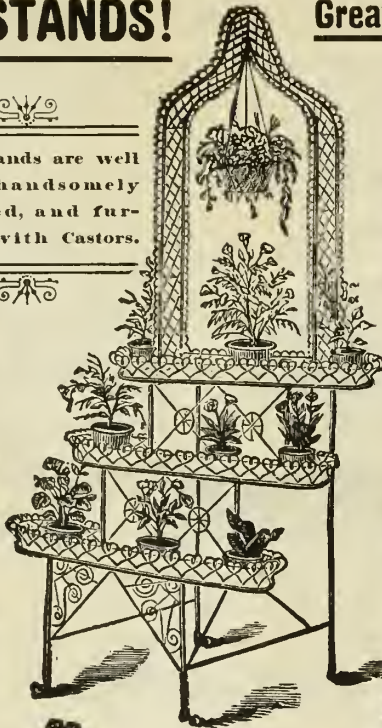
WIRE FLOWER STANDS!

Great Reduction in Prices!

All Stands are well made, handsomely finished, and furnished with Castors.



No. 9.—Stand (Fancy) with Arch. Price, \$4.00.
Without Arch, " 3.00.

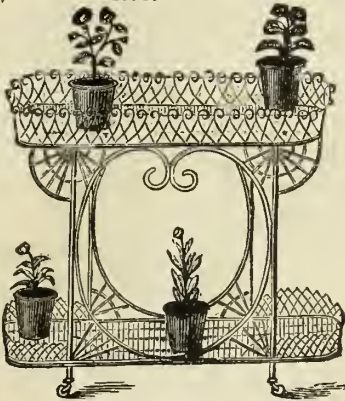


No. 3.—Square Stand (Fancy) with Arch. Price, \$4.38.
Without Arch, 3.38.



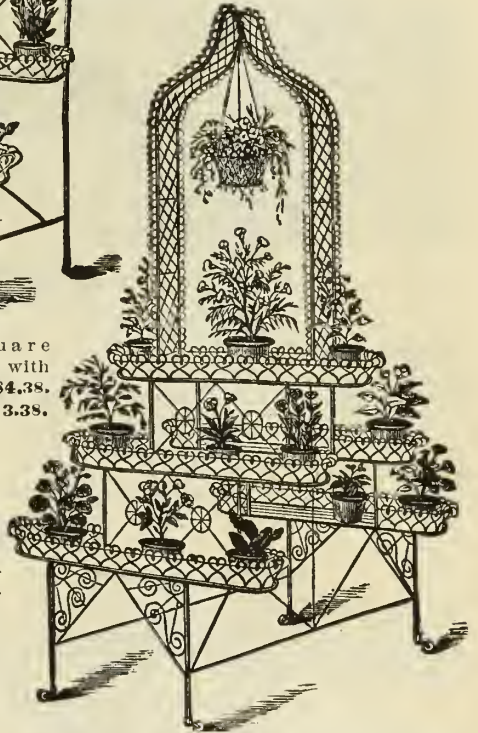
No. 10.—One shelf Stand. Length, 33 inches; height, 24 inches. Price, \$1.25.

Galvanized Stands.—We can also supply nearly all these stands galvanized at a slight advance in price.

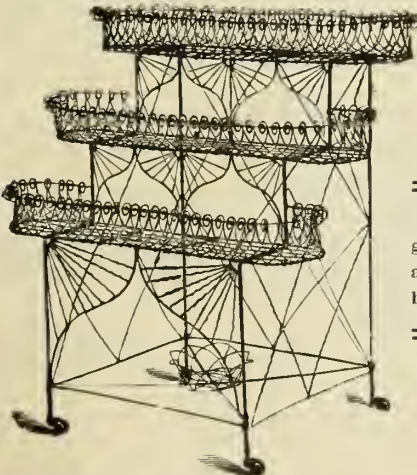


No. 7.—Oblong Stand (two shelves). Price, \$2.70.

All these Stands are painted green and handsomely finished in gold and bronze.



No. 2.—Pyramid Stand. Height, 6 feet; width 4 feet; breadth 2 feet. Price, \$6.40.
Without Arch, " 5.40.



No. 5.—Square Stand (Fancy), 33 inches long. Price, \$3.55.



NOTICE.—Stands are generally shipped by freight, and two or three may often be shipped as cheap as one.



No. 4.—Semi-circle Stand. 42 in. wide, 24 in. deep, 36 in. long. Price, \$3.55.

ENGLISH PRUNING KNIVES, SHEARS, ETC.

ENGLISH PRUNING KNIVES.

In three sizes. No. 187, \$1.00; No. 188, \$1.25; No. 195, \$1.50.

ENGLISH BUDDING KNIVES.

In three sizes. No. 324, \$1.25; No. B. L., \$1.25; No. 325, \$1.50.

ENGLISH VINE SCISSORS.

The best vine scissors made. No. 735, 6 inch, 75 cents.

ROSE GATHERERS.

Specially adapted for gathering roses. No. 736, 4 in., 60 cts.

HEDGE SHEARS (English).

For pruning hedges; in three sizes. 8 inch, \$1.60; 9 inch, \$1.90; 10 inch, \$2.25.

GRASS SHEARS (English).

For trimming grass borders; in three sizes. 8 inches, \$2.50; 9 inches, \$3.00; 10 inches, \$3.50.

THERMOMETERS.

Best box-wood, London makers. No. 768, 8 inch, 40 cents; No. 762, with bevelled edge, 8 inch, 75 cents; 10 inch \$1.00; No. 770, minimum registering, 10 inch, 75 cents; No. 780, maximum and minimum—a splendid instrument, self-registering, box-wood scale, enclosed in case, 8 inch, \$3.50.

WOLFF'S INDELIBLE GARDENERS PENCILS.

For writing on wood labels, same as an ordinary pencil, only the writing will not rub out. 10 cents each.

FRENCH SECATEURS.

NEW FRENCH SECATEUR.—This is a new French pattern secateur, and acknowledged to be the most perfect pruner ever made. The spring is absolutely unbreakable, thus removing a long standing grievance with users of the otherwise excellent old pattern. This pruner has been held by one or two importers at fancy prices, and the great trouble with most gardeners and nurserymen has been to know where to get it at



NEW FRENCH SECATEUR.

FRENCH SECATEURS (Pruners).—A powerful yet light pruner for plants and shrubs; will cut a twig an inch in diameter easily. No. 741, 7 inch, \$1.25; 8 inch, \$1.50.

MISCELLANEOUS.

GARDEN LINES.

80 foot flax lines	\$0.50
120 " " " . . . . .	.75
160 " " "	1.00
100 " tarred cotton . . . . .	.60

GARDEN REELS.

For reeling garden lines.

No. 1 . . . . .	.50
No. 2 . . . . .	.75

GARDEN TROWELS.

6 inch plate steel	\$0.20
7 " " " . . . . .	.25
9 " " " . . . . .	.30

WEEDING HOOKS.

Excelsior Weeding Hook . . . . .	.20
Hazeltine Weeder . . . . .	.50
Noyes' Hand Weeder . . . . .	.30

GARDEN ROLLERS.

GARDEN ROLLERS.

Made in one, two, and three sections.

One section 12 x 20, weight 165 pounds	\$10.00
Two sections, each 12 x 20, weight 315 pounds	17.00
Three sections, each 7½ x 15, weight 200 pounds	11.00

GARDEN ROLLERS (Solid).

Made in one section only.

10 inch diameter, 15 inches long, weight 130 pounds	\$8.00
12 " " " 18 " " " 200 " "	10.00
14 " " " 21 " " " 300 " "	12.00
16 " " " 24 " " " 400 " "	18.00

WATERING POTS.

Round, Painted Green, with Sprinkler.

1 quart	\$0.40
2 " . . . . .	.45
3 " . . . . .	.60
4 " . . . . .	.75
6 "	1.00
10 "	1.25
12 "	1.50
18 "	1.75
20 "	2.00

Round, Painted Green, Long Spout.

4 quart	\$1.00
6 "	1.25
8 "	1.40

Oval, Painted Brown.

1 quart	\$0.50	2 quart65
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Oval, Painted Brown, Long Spout.

1 quart	\$0.50	2 quart65
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RUBBER AND COTTON HOSE.

For Lawn, Garden, and Green-house Use.

There is no article sold that is more apt to deceive the purchaser than Garden Hose, therefore it is important to buy only of reliable houses. We make a specialty of selling only those grades of Hose that are adapted to the different water pressure throughout the country. We use every endeavor to have the best quality of Hose only, manufactured for us, and warrant the qualities named below. Please give water pressure when ordering.

PRICE LIST. (Prices include couplings.)

RUBBER HOSE.		Mfrs. Prices.	J. G. & Co.'s Net Cash Prices.
Extra, ¾ inch, 4-ply, suitable for the heaviest pressure, per foot		\$0.37	\$0.15
Extra, ¾ inch, 3-ply " " heavy " " . . . . .		.30	.13
Extra, ½ inch, 3-ply " " heavy " " . . . . .		.25	.11
Standard, ¾ inch, 3-ply " " ordinary " " . . . . .		.30	.11
Standard, ½ inch, 3-ply " " ordinary " " . . . . .		.25	.10
COTTON HOSE.			
Cotton, ¾ inch, suitable for all pressures, per foot . . . . .		.30	.12
Cotton, ½ inch, " " " " . . . . .		.25	.11

INSECTICIDES, AND

MISCELLANEOUS FARM AND

GARDEN REQUISITES.

SLUG SHOT.

This insecticide is in the form of an impalpable powder and contains agents that will positively destroy the potato bug, cut worm, chinch bug, rose bug, rose slug, curculio, and all insect life on melons, cucumbers, squash, grape vines, egg-plants, currant bushes, and all small fruits, ornamental and fruit trees. It is especially destructive to the potato bug, currant and cabbage worm. **5 pound package 30 cents; 10 pound package 50 cents. In barrels of about 225 pounds, 4 cents per pound.**



Tin Dusters with perforated bottoms for applying. 25c.
Bellows (patent) for applying Slug Shot and other powders in three sizes. Each, 75 cents, \$1.25, and \$2.00.

FIR TREE OIL.

An invaluable liquid preparation for destroying all insects that infest plants or animals. Equally applicable for applying on the foliage or at the roots of the plants. For house plants especially this is the cleanest, pleasantest, and best insecticide known. It has a most agreeable balsamic odor, does not contain any poisonous properties, and is perfectly harmless to the hands or skin. In constant use by all our prominent florists and gardeners. Directions for use on each bottle. **Half-pint bottle, 50 cents; pints, 75 cents; quarts, \$1.25; gallons, \$4.00.**

HELLEBORE.

For destroying rose slugs, etc. One or two applications are usually sufficient for a season. A thoroughly effective article for the currant worm. Per pound 30 cents; by mail 38 cents.

DALMATION POWDER (*Pyrethrum roseum*).

For destroying ants, fleas, etc. Per pound, 65 cents; by mail, 73 cents. Half-pound, 38 cents; by mail, 42 cents.

TOBACCO SOAP.

Manufactured from the essential oil of tobacco. An excellent insecticide for the parlor, garden, or green-house. Per pound, 50 cents; by mail, 58 cents. Half-pound, 25 cents; by mail, 29 cents.

TOBACCO STEMS.

Used for fumigating and also for strewing round the benches in the green-house. Packed in bales weighing from 200 to 250 pounds. Price, \$2.50 per bale.

GRAFTING WAX (*Trowbridge's*).

The best in the market. Per pound, 40 cents; by mail, 48 cents. Per half-pound, 25 cents; by mail, 29 cents. Per quarter-pound, 15 cents; by mail, 17 cents.

INSECT POWDER BELLOWS (*Houchin's Patent*).

These possess the following advantages over all other makes; strength, durability, effectiveness, and low cost. They are fitted with patent receivers and are altogether the best bellows in the market. They are made in the following sizes:

No.	Wide.	Long.	Capacity.	Price.
No. 11	4 1/2	x 16 in	3 oz. Powder	\$0.75
" 14	5 1/2	x 20 "	4 "	.90
" 16	6 1/2	x 23 "	6 "	1.10
" 19	7 1/2	x 24 "	8 "	1.25
" 22	8 1/2	x 27 "	12 "	1.50

PLANT TUBS.

Made of white cedar, painted green, iron handles; very strong and the best tub made for palms, orange trees, ole-



anders, agaves, etc. 15 1/2 inch, \$2.10; 16 1/2 inch, \$2.45; 18 1/2 inch, \$2.80; 20 inch, \$3.50; 22 inch, \$4.20; 24 inch, \$4.90; 26 inch, \$5.95; 28 inch, \$7.00.

ROFFEA.

The best material in the world for tying up plants, cheaper, softer, as strong and far superior in every way to twine. We recommend this very strongly as we know that once used no one who has any plants to tie up will ever want to be without it. Per pound, 30 cents; by mail, 38 cents.

PARIS GREEN (*strictly pure*).

An effectual remedy for potato bugs. Per pound, 30 cents; by mail 38 cents.

PLANT STICKS (*round*).

Round, tapering, and painted green; the neatest plant stick for supporting frail plants. The larger sizes are suitable for gladiolus, etc. Per hundred, 1 1/2 feet, \$1.00; 2 feet, \$2.00; 2 1/2 feet, \$3.00; 3 feet, \$4.00; 3 1/2 feet, \$5.00; 4 feet, \$6.00; 5 feet, \$7.00.

PLANT STICKS (*square*).

These are square, tapering, and painted green; heavier and stronger than the round and consequently better adapted for supporting plants of robust growth. Per hundred, 1 1/2 feet, \$1.00; 2 feet, \$1.50; 2 1/2 feet, \$2.00; 3 feet, \$3.00; 3 1/2 feet, \$3.50; 4 feet, \$4.00; 5 feet, \$5.00; 6 feet, \$7.00.

POT LABELS.

Our new system of painting these labels makes them much superior to the old style, each label having a good coat of paint, and not merely oiled as before. **Plain** per hundred 4 inch, 15 cents; per thousand, 60 cents. 4 1/2 inch per hundred, 15 cents; per thousand, 70 cents. 5 inch per hundred, 15 cents; per thousand, 80 cents. 6 inch per hundred, 15 cents; per thousand, \$1.00. **Painted**, 5 cents per hundred, 20 cents per thousand extra.

TREE LABELS.

For attaching to trees, shrubs, etc. 4 1/2 inch furnished with copper wire for affixing. **Plain** per hundred, 20 cents; per thousand, \$1.50. **Painted**, 25 cents per hundred; \$1.75 per thousand.

GARDEN LABELS.

These are made specially for naming plants in the open garden, being large and strong and forming a conspicuous marker for specimen plants or rows. In two sizes, eight and twelve inches. Price, 8 inch, 40 cents per hundred, \$3.50 per thousand; 12 inch, 50 cents per hundred, \$4.50 per thousand. These are furnished **plain only**.

FERTILIZERS.

Gardiner's Special Lawn Fertilizer.

Many people suppose that the alpha and omega of a fine lawn is to scatter a little seed and rake in a little fertilizer, and "presto" the thing is done. No greater mistake can be made than this, for, as we have previously remarked (at page 36), the preparation of the ground for a lawn should receive as much care as if it were to be used for growing vegetables or any other crop. Good soil, deep trenching, the careful removal of stones, roots, etc., levelling and rolling are all essential, and pronounced success cannot be obtained otherwise. There are few soils naturally so rich that they would not be benefited by the application of manure, and where the soil is poor it is absolutely imperative that the ingredients for the grass plants to live on be supplied in some form. Many use stable manure for this purpose, but there is one great objection to this, namely, the introduction of weed seeds into the lawn, often necessitating the entire breaking up and reforming of the sward after it has been once made. To obviate this objection and to supply a powerful fertilizer in a concentrated form that would be clean and easily applied, without the unsightliness of stable manure, has been our aim in preparing our **Special Lawn Fertilizer**. This special preparation contains all the constituents necessary for the vigorous production of luxuriant verdure of a rich velvety-green; it is prepared in the form of a dry powder and is almost odorless, so that the most fastidious person can handle it with ease and comfort, and it is also marvellously quick in action, the increased thickening and deeper green of the sward being very apparent soon after its application. We recommend a generous application of this special dressing for lawns every spring and fall, and also at intervals when the grass seems to require it. The best time to apply it is before a shower, as the rain will wash the tiny particles about the roots of the grass and greatly quicken the growth. Care should be taken not to apply when the grass is wet as this causes adhesion to the foliage and consequent burning; unless a vigorous application of the hose is made immediately after. In distributing be careful to spread evenly and not in greater quantities than we recommend. For all kinds of lawns, whether large or small, this dressing is undoubtedly the cleanest, easiest to apply, most economical, convenient, and powerful. Its use by the most prominent gardeners all over the country being ample testimony of its intrinsic value. Put up in 10, 25, 50, and 100 pound bags. Apply at the rate of 400 pounds per acre.

10 pound bag (sufficient for 20 x 50 feet of lawn), . . .	\$0.50
25 " " " " 25 x 100 " " " " . . .	1.00
50 " " " " 50 x 100 " " " " . . .	1.75
100 " " " " ¼ acre, " " " " . . .	3.00

"STAR" BONE PHOSPHATE.

THE BEST FERTILIZER FOR

**WHEAT, RYE, OATS, BARLEY, GRASS,
CORN, CABBAGE, BEANS, PEAS, and
VEGETABLES of all kinds.
PEACHES, ORANGES, and Fruit Trees of all kinds.**

This Phosphate has long been celebrated as a prompt and permanent fertilizer of the highest standard. Great care has always been exercised in its manufacture so as to make a phosphate of fine merchantable condition as well as one that contains all the elements of plant food for general crops. No ingredients of any sort are employed in its manufacture unless they add value to the finished product. The blending and mixing is carried on under the superintendance of an experienced chemist skilled in the laboratory as well as practically conversant with crops, having had large and varied experience in testing and experimenting with different soils and materials on the farm and garden. This phosphate is unexcelled for fineness and dryness for drilling, and farmers may save themselves much trouble and vexation by using the "Star," which is always of superior mechanical condition and uniform quality as well as highly soluble, and containing all the elements of plant food in forms easily absorbed and assimilated. Apply at the rate of 200 to 600 pounds per acre. Price, 50 pound bag, \$1.25; 100 pound bag, \$2.25; 200 pound bag, \$4.00.

"STAR" GUANO.

The Star Guano is prepared for the express object of forcing early truck and vegetables, and contains the best ingredients blended in the proper proportions for that purpose. It has been used with great success by many farmers catering for the large city markets and is in great demand by all truckers. 50 pound bag, \$1.50; 100 pound bag, \$2.75; 200 pound bag, \$4.50.

TRUCKERS TRIUMPH POTATO GUANO.

What the Star Bone Phosphate is to cereals and the various crops which grow above ground, the Triumph Potato Guano is to potatoes, turnips, beets, carrots, and all root crops. As a potato manure it is unequalled, and the yield which has followed its use is in the highest degree satisfactory. Soils deficient in the essential properties for the growth of this vegetable have become active after one thorough dressing of the guano, and the crops taken from such fields have rivalled, and in many instances exceeded those of the most prolific sections. 50 pound bag, \$1.75; 100 pound bag, \$3.00; 200 pound bag, \$5.00.

PERUVIAN GUANO.

Peruvian Guano, as it used to be years ago, was the most valuable and powerful fertilizer on the market. The chemical imitations that have been introduced since the Peruvian Government prohibited the exportation of Guano are good enough in their way, but they are certainly not Guano. The only *real* Guano on the market is that which is now found in one of the islands of Chili, and is at present controlled by a French syndicate. This is the article which we now offer in the original bags (uneven) as they arrive from South America. It is rather lumpy and contains about 4 per cent. of rock, but we find customers prefer to have it in this way as they are then certain that no manipulation has occurred. We guarantee this to be the only *real Guano* on the market than which for florists use there is nothing better for stimulating flowers and plants. The guaranteed analysis shows 9.85 per cent. of ammonia, which is more than double the percentage of any imitation whatever. Price (in uneven bags as imported), \$4.00 per hundred pounds; per ton, \$65.00.

GROUND BONE.

Eminently suited for all crops and largely used by florists and market gardeners both for outside and inside plants. It is not merely a stimulant like a great many of our artificial manures, the lasting effects being very noticeable, while it greatly adds to the fertility of the soil, not exhausting it in the way that nitrate of soda or other stimulating chemicals do. Our bone is warranted as good as any in the market; the guaranteed analysis showing 3 to 4 per cent. ammonia, 20 to 25 per cent. phosphoric acid; ground very fine and absolutely pure. Per bag (200 lbs.) \$3.75.

CATTLE BONE.

An article that is indispensable to every owner of stock. Ground into very fine meal from perfectly sweet, clean bones. Excellent for cattle, and also for mixing with chicken feed. Per barrel (of about 225 pounds), \$5.00.

CHICKEN BONE.

Ground coarse, like rice, from the same quality of clean sweet bones as the preceding. Should be used by all poultry keepers. The very thing for feeding fowls during the winter months. Per barrel (of about 225 pounds), \$5.00.

AMIES HORTICULTURAL MANURE (Imported).

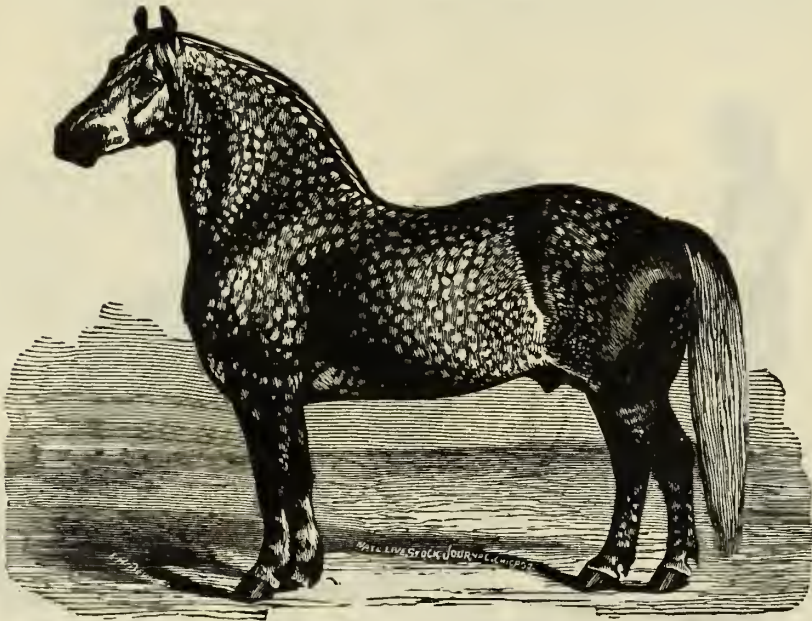
Manufactured in London, England. One of the most powerful plant foods. Excellent for all kinds of house plants. Package, by mail, prepaid, 53 cents; by express (at customers' expense), 35 cents.

GARDINER'S PLANT FOOD.

Prepared expressly for house plants. A highly concentrated fertilizer, almost odorless, clean to handle, and readily soluble in water, so that it can be applied in liquid as well as dry form. Package by mail, prepaid, 37 cents; by express (at customers' expense), 25 cents.

OUR FIRST PRIZE PERCHERON STALLION


“CHESTER.”

Full Blooded Stud Horse!Seventeen Hands High!Weighs 2000 Pounds!

Foaled March 13th. 1883. Sired by imported “Drayman;” first dam “Ajax,” second dam “Conqueror,” third dam “Valley Bill.”

PERCHERON PEDIGREE HORSES.

At our farm in Chester County, Pennsylvania, we have entered largely into the breeding and raising of powerful and valuable draught horses. Our stallion “Chester” is a thoroughbred Percheron pedigree horse. We have for sale colts of all ages by him out of Norman, Percheron, and Clydesdale mares. These colts are thoroughly broken, and are warranted sound, safe, and reliable in every way. In every case our full warranty goes with each animal sold. If the animal is not satisfactory and as represented, we will refund the money upon return of the horse at expense of purchaser. Yearlings and two-year olds are sold unbroken, as many owners of horses prefer to break their own colts, and the price of all such is made with the necessary corresponding reduction.

The greatest care has been expended in selecting the finest

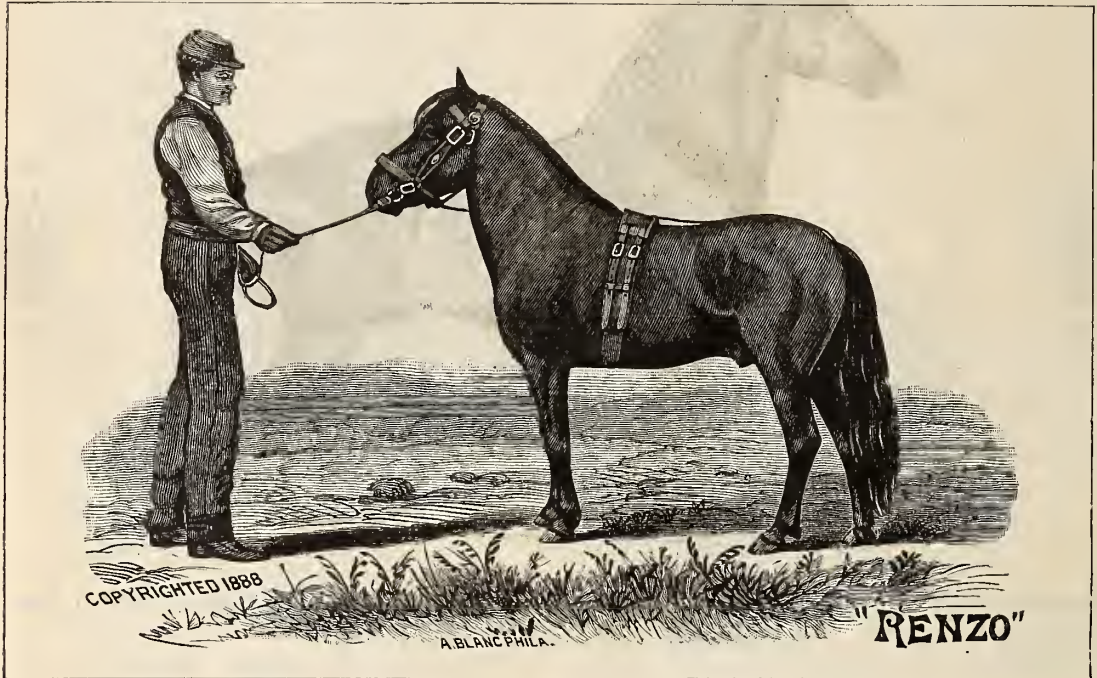
stock from which to breed, in which the highest consideration has been given to the elements of soundness, strength, temper, and willingness to work, and afterwards in breaking, skill and care are given to the proper development of these elements with the result that the horses are highly prized by their owners. They will work anywhere and at anything, and will do more on an equal amount of feed than any horse we know of.

The best and most promising colts will be selected for breeding purposes. Will be happy to give full particulars to any one in want of first-class horses of this breed. We have eighteen mares now in foal to “Chester,” and can give horses of all ages from yearlings up to well-trained, fully developed horses. Prices according to age, training, and points. Correspondence solicited.

"SHETLAND PONIES."

The remarkable race of Ponies which are found running wild on the Shetland Islands—the extreme northern point of Scotland—are one of those adaptations of nature to climatic influences which we so frequently see round us, both in animal and vegetable life. The bare uplands of the Shetland Islands covered only with the short shubbery growth of the native heath, unsheltered by trees, and openly exposed to the sweeping gales from the German Ocean and the broad Atlantic, are a strange place to find horses, which in the whole range of domestic animals, are the most dainty and tender—veritable *fine ladies*—in the care and attention which they demand as the price of good health and active

in the world, remarkably gentle, not much larger than a large dog; very fleet and easily trained to single or double harness or for riding. They make the daintiest turnout for ladies and children, whether for shopping or exercise, and can be managed by the most timid person, being remarkably free from vice, yet having plenty of spirit. We were so impressed with the remarkable merits of this breed of horses for ladies and children that we imported the prize stallion "Renzo," together with a herd of Shetland, Iceland, and Exmoor brood mares for the special purpose of breeding and training a herd on our stock-farm at Downingtown. "Renzo" is a beautiful little stallion sired by a small Ara-



service. But this race of Ponies, although small, are so remarkably hardy that they can bear the rigors of the hardest winters with impunity, their thick coats being impervious to cold, and their constitution so strong that they grow and thrive under circumstances which would kill an ordinary horse in a week. In the wild state these ponies are remarkably lively and spirited, and the spectacle of a herd of them careering down a mountain side cutting the most remarkable capers, their bushy manes and tails streaming in the wind while the storm king howls over the dark and lonely island, is a sight not soon forgotten. When domesticated they are the most docile and tractable creatures

Address all orders to

JOHN GARDINER & CO.,

21 North Thirteenth Street,

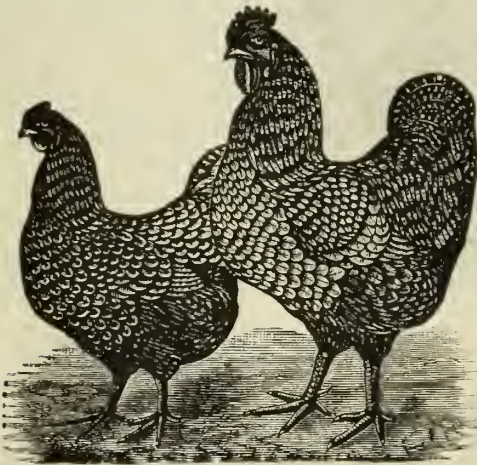
Stock and Seed Farm,
Downingtown, Penna.

Philadelphia, Penna.

bian out of a Shetland mare, and bred by Alexander Hay, Esq., of Aberdeen, Scotland. The Arabian blood gives increased action, fire, and style without detracting from the hardiness and docility of the Shetland. He stands $11\frac{3}{4}$ hands high, is a dark bay with fine style and carriage. The above beautiful illustration engraved from a photograph will give some idea of his appearance. We will have several colts for sale the coming season by "Renzo," out of full-blooded Exmoor, Iceland, and Shetland brood mares. All who wish to secure any of this fine breed of horses will please correspond for prices and particulars. We have already engaged a good many, and would advise early application.

POULTRY DEPARTMENT.

THIS department is with us a most extensive one, necessitating the employment of expert poultrymen and the building last year at Downingtown of a special poultry-house running two stories in height, the runs arranged from both sides of the building after the manner of the Belair establishment, one of the best managed and most extensive poultry-yards in France. Our birds are bred from the purest stock, and have taken many premiums, and we take the utmost pride in keeping them up to the highest standard. For this purpose we are constantly purchasing the very finest prize takers from different parts of the country and adding them to our own in order to always insure fresh blood. This, combined with our care in mating and breeding, makes our poultry-yard the custodian of, we believe, as fine a collection of birds as any in the United States. From the great number of each class bred by us we can always supply second shipments from a different yard, thus insuring fresh blood every time. The prices quoted in this connection are for first-class breeding fowls mated not akin and guaranteed fault free according to the rules of the A. P. A.



PLYMOUTH ROCKS.

WYANDOTTES.

(AMERICAN SEBRIGHTS.)

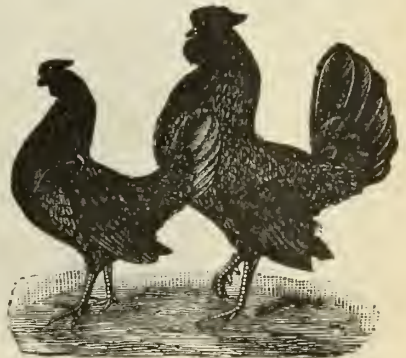
Distinctly an American breed formerly known as Sebrights, but so greatly improved of late years that they are now classed by themselves. They are large birds, approaching the Plymouths in size, very trim and neat looking with elegantly variegated plumage and stylish carriage. They are good layers and excellent table birds. They are perfectly hardy, bear confinement well, and are good mothers although not persistent sitters. With all these good qualities to recommend them, large size and handsome plumage, good laying qualities, excellent flesh and hardiness, it is not to be wondered that they should become extremely popular. The supply has not heretofore been equal to the demand, and those who want to make sure of a hatching this season should send in their orders early. This breed is already so highly appreciated that it is unnecessary for us to praise them much; they are very popular and richly deserve to be. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00.



WYANDOTTES.

BLACK HAMBURGS.

The Hamburgs are a favorite breed of fowls, their great merit being their excellent laying qualities. They will average about 200 fair-sized eggs per annum, and often many more being non-sitters and continuing to lay during the greater part of the year. Of the many different colors in Hamburgs the Blacks are the most popular on account of their greater hardiness and larger eggs. They are handsome, stylish birds of good form and graceful carriage. The combs deep red, ear wattles pure white, dark plumage, and bluish legs. They are hardy and excellent foragers, and given freedom will feed themselves, although there is little difficulty in keeping them in confinement. Being light they can fly like a bird, and when they are confined a shed is most convenient. Next to the Leghorns this breed is undoubtedly the most profitable egg producers we have. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00.



BLACK HAMBURGS.

Eggs for Hatching.—We supply eggs for hatching by the setting of thirteen. We warrant them to be true and fresh. Packing is done very carefully by an experienced packer, and we guarantee all eggs to arrive safely. We ship by express only. When received the eggs should be allowed to settle for a day or two before setting, as the journey generally shakes them up considerably.

C. O. D.—We do not ship Eggs or Fowls C. O. D. Cash must accompany all orders.

PLYMOUTH ROCKS.

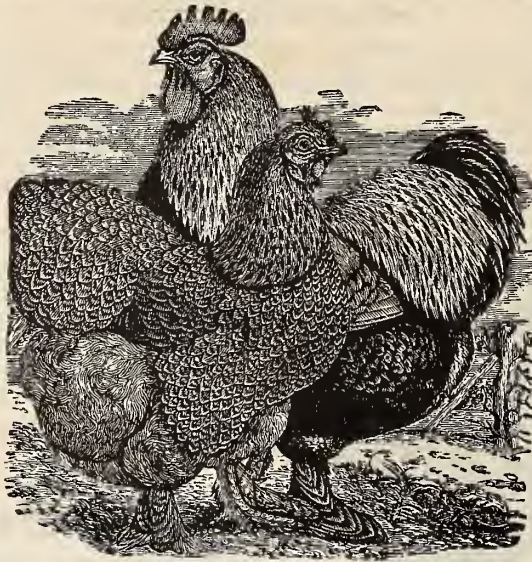
As a "farmers" fowl the Plymouth Rocks are held in the very highest estimation. Being of large size, good layers, and breeders, with flesh of excellent quality and perfectly hardy, they make the best all round fowl for the farmer both for home use and for market. They grow very fast, the cock weighing at maturity from nine to eleven pounds, the hen from seven to nine pounds. They make first-rate mothers, yet are not prone to sit too persistently, and are easily kept within bounds. In appearance they are trim and neat as shown in our engraving, with elegant plumage, clean yellow legs, and good carriage; thus recommending them strongly to the fancier as well as to the farmer. To those who want a good serviceable breed for all round purposes we cannot recommend any better than the Plymouths, and we may add that purer or better stock than our own will be hard to find. We pay special attention to this breed, and our birds are first-class in every way. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00.

White Plymouth Rocks.

These have the general characteristics of the ordinary Plymouth Rocks, but are quite novel in color, being a pure snowy white; very elegant plumage; a splendid contrast to the variegated class. They are quite hardy, excellent layers, splendid for table, good mothers, and in fact possess all the merits that have made the Plymouth Rocks famous and popular all over the country. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00.

— BUFF COCHINS. —

Are a valuable breed, and deserve the attention of all poultry-keepers. They are very tame, easily domesticated; seldom quarrel, and will thrive in a very limited run. The young chickens are harder than any other breed except Brahmas, grow fast, and are fit for killing when twelve weeks old. As sitters and mothers, the hens are unsurpassed; they are prolific layers, especially in winter, when eggs are scarce; they cannot fly, and a fence two feet high will keep them within bounds. Altogether, they are a most valuable breed for family use, both for eggs and chickens. For marketing, or where eggs only are wanted, they are surpassed by some of the other breeds. In color, they are a beautiful golden-buff, and of very handsome and stylish carriage. As a show bird they are splendid, and will attract the greatest admiration. Our stock is pure and unsurpassed. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00. Eggs for hatching, \$2.50 per setting of thirteen.



PARTRIDGE COCHINS.

— PARTRIDGE COCHINS. —

These differ from the Buff Cochins in having the neck-hackles of the hen of a bright gold, striped with black, the rest of the body light brown, pencilled with dark brown. In the cock, the neck hackles and saddle are a bright red, striped with black, the back being dark red, and the wings dark, crossed with a sharply defined metallic-green bar, the breast and under part of the body black. In this connection we may observe that the Buff Cochins have a tendency to become lighter at every moulting. It is, therefore, desirable, when mating to select darker birds than are really wanted in the progeny, in order to get the right color. The Partridge Cochins, in addition to being very stylish and handsome birds, have all the merits of the Buff Cochins, and are equally good for family use, for eggs, and chickens, and are splendid as a fancy show bird. We have a very fine lot of fancy birds. Fowls, per pair, \$7.00; per trio (one cock and two hens), \$10.00. Eggs for hatching, \$2.50 per setting of thirteen.

— BLACK MINORCAS. —

One of the most valuable of the Spanish fowls, with merits entitling them to far more attention than they have yet received. As layers, they are almost as good as Hamburgs or Leghorns, and superior to Cochins or Brahmas. In style, they resemble somewhat their aristocratic relation, the Black Spanish, while surpassing these in size and laying qualities. A good cock will weigh about eight or nine pounds, a hen about seven or eight pounds. The face, in Black Minorcas, is a coral-red, the earlobes being white, plumage glossy black, legs deep blue and shorter than in the Black Spanish. In everything except the white face, this breed far surpasses the Black Spanish, and we highly recommend them, both for home use and for market. Eggs for hatching, \$4.00 per setting of thirteen. Fowls, per pair, \$16; per trio (one cock and two hens), \$21.00.



BUFF COCHINS.

— WHITE WYANDOTTES. —

This breed is so popular that it is unnecessary for us to go into much detail regarding their many fine qualities. Their plumage is snowy-white; beak, legs, and skin yellow; splendid style and carriage; very trim and neat; perfectly hardy, and bear confinement well. Good layers, and excellent for table. There are few breeds that possess so many points of superiority for home use, market, or exhibition as this. The supply is not nearly equal to the demand as yet, and all who wish to secure a setting this season are advised to send in their orders early. Fowls \$7.00 per pair, \$10.00 per trio. Eggs for hatching, \$2.50 per setting.

PEKIN DUCKS.

We have a good strain of this popular and profitable breed of ducks. The Pekins are good layers, and are easily confined, and require only water enough for drinking purposes. They have creamy-white plumage, orange legs, and yellow bills; grow large, and can be marketed young. Their size, weight, and other good qualities have made them popular all over the country. Per pair, \$6.00; per trio, \$9. Eggs for hatching, \$2.25 per setting.

size, the cock averaging 12 to 13 pounds, and the hen nine to ten pounds, and birds have been known to have reached the enormous weight of eighteen pounds, while thirteen and fourteen pounds are not uncommon. In size they certainly surpass all other breeds, and are one of the most profitable fowls both for market and home use. They are much more sprightly than the Cochins and seldom get out of condition from over-feeding. No poultry-yard is complete without at least a few Brahmas. Our stock of Light Brahmas has been most carefully bred and is very fine. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; per trio (one cock and two hens), \$10.00.



LIGHT BRAHMAS.

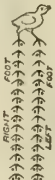
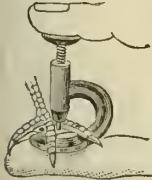
BROWN LEGHORNS.

The Leghorns are the most remarkable layers in the world, surpassing all other breeds in this respect, often averaging over 200 eggs per annum. Their eggs are of the largest size, much larger than those of the Hamburgs, and produced with such long continued regularity as to earn them the title of "laying machines." They are stylish and elegant birds with beautifully pencilled plumage; are astonishingly hardy, bear confinement well, and, being non-sitters, are the breed par excellence where eggs alone are desired. They grow very fast and commence to lay when four or five months old. We recommend them very highly to all poultry-keepers as they are sure to thrive well anywhere, even in the most confined runs and prove extremely profitable. Eggs for hatching, \$2.50 per setting of thirteen. Fowls, \$7.00 per pair; \$10.00 per trio (one cock and two hens).



BROWN LEGHORN COCK.

parent in the progeny not only in laying powers, but also in rapidity of growth, elegance of form, and fine table qualities. Eggs for hatching, \$2.50 per setting of thirteen. Fowls per pair, \$7.00; per trio (one cock and two hens), \$10.00.



WIGMORE'S POULTRY MARKER.

WIGMORE'S POULTRY MARKER.

This article is a great help to the poultry keeper. It will punch a small hole in the filaments of the foot without pain to the fowl, thus enabling different breeds to be readily distinguished. The engraving explains the working of this invention, which is one of the most valuable things, and offered at so low a price that it ought to be in the hands of all poultry keepers. Price, 25 cents, free by mail.

PURE GROUND BONES (for Poultry).

This is an article that all poultry keepers should have on hand. It is ground coarse like rice from the very best green bones, made perfectly clean and sweet by boiling before being ground. Just the thing to feed your chickens during the winter months. 10 pounds, 40 cents; 25 pounds, \$5 cents; 50 pounds, \$1.50; 100 pounds, \$2.75. Per barrel of about 225 pounds, 2½ cents per pound. In ten barrel lots, 2 cents per pound.

GROUND OYSTER SHELLS.

These are indispensable in the poultry-yard. 10 pounds, 25 cents; 25 pounds, 50 cents; 50 pounds, 75 cents; 100 pounds, \$1.25; 200 pounds, \$2.00. Per barrel (about 300 pounds), \$2.50.

GROUND BEEF SCRAPS.

Constantly on hand, and warranted fresh and pure at all times. 10 pounds, 40 cents; 25 pounds, 85 cents; 50 pounds, \$1.50; 100 pounds, \$2.50; 500 pounds, \$11.00; 1,000 pounds, \$21.

WHEAT FOR POULTRY.

Per peck, 35 cents; per half bushel, 50 cents; per bushel, 85c.

BUCKWHEAT FOR POULTRY.

Per peck, 35 cents; per half bushel, 50 cents; per bushel, 90c.

BARLEY FOR POULTRY.

Per peck, 35 cents; per half bushel, 50 cents; per bushel, 80c.

MEDICATED NEST EGGS.

Good for keeping away vermin. By mail, 65 cents per dozen; by express, 50 cents per dozen.

PORCELAIN NEST EGGS.

The ordinary kind. By mail, 50 cents per dozen; by express, 40 cents per dozen.

PEACOCK PANSY.

The introducers describe this new Pansy as follows: "Side petals rich maroon; upper and lower petals royal purple shot with peacock blue, and each margined with terra-cotta rose. Grand blossoms and first-class novelty." In sealed packets, 25c. per pkt.

NEW QUEEN COCKSCOMB.

This remarkable new Cockscomb is without doubt a great improvement on all other sorts. It is a cross between "Glasgow Prize" and "Empress," and has been awarded a first-class certificate by the Royal Horticultural Society. Combs have been exhibited measuring 37 inches by 18 inches, of beautiful shape, and the most glowing dark crimson color. Fine dwarf habit and free setter. Packet 25c.

ARNEBIA CORNUTA.

A charming new annual from Asia—the first annual variety of the species. Grows to a height of about two feet, and bears very curious and beautiful rich yellow flowers marked with five large dark spots. Very profuse and continuous bloomer. One hundred and fifty spikes of bloom have been counted on one plant. Sow in heat early, and transplant to open ground in May. Packet 25c.

NEW DOUBLE CORNFLOWER (*Centaurea Cyanus*, fl. pl.).

Handsome new form of this popular annual with globular double flower-heads of great beauty. This novelty will be valuable on account of its free blooming qualities, and its adaptability for cutting. Many colors mixed. Packet 25c.

ASTER COMET LIGHT BLUE.

Of this charming new class of Asters there are several new colors offered this season, and one of the best is the "light blue." The flowers are very large and extremely double, resembling in shape a Japanese Chrysanthemum, and a beautiful *bright blue*—a charming color and a valuable addition to this fine class. Packet 25c.

NEW GLADIOLUS

"SNOW-WHITE."

This is the best *White Gladiolus* ever offered to the public. In purity, form, substance, and size it is unsurpassed. Although offered for the first time this season, it bears the endorsement of the Massachusetts Horticultural Society, who awarded it the Prospective Prize for the best *new plant* exhibited for three consecutive years. Price, 50c. each; 6 for \$2.50.

For other new and standard varieties of *Gladiolus* see p. 79.

BULBS

For Fall Planting.

We carry a full assortment of these at their proper season—September, October, and November. Hyacinths, Tulips, Crocus, Daffodils, Lilies, etc. Illustrated catalogue free to all.

Do you intend to build?

If so, you want the book described on page 12 of this catalogue—a new Atlas entitled "Sensible Low-Cost Houses, and How to Build Them." Price, \$1.00. Abridged edition, 25c.





"Fashioned in divinest, daintiest mold,
Like spring thoughts in the heart of winter old."

THE * AESTHETIC COLLECTION

Contains one packet each of **twelve** distinct varieties of aesthetic flowers. A most unique and charming collection; the chaste and simple forms of which are peculiarly pleasing. The flowers embrace great variety and richness in coloring. Of the easiest cultivation. Price, 75c.

THE NIGHT BLOOMING COLLECTION

Consists of *Sweet-scented* and *Night-blooming Flowers*, including *Moon-Flower*, *Evening Stock*, *Mirabilis*, *Evening Primrose*, *White-laced Crucifer*, *Sweet Clover*, *Nycteria*, etc., in all **25** distinct varieties; one packet of each, mailed to any address, for **\$1.00**. 12 varieties for 50c.

Gardiner's Complete Collection of Night-Blooming Flowers.



" * * * timid buds that keep
Their odor to themselves all day,
But when the sunlight dies away,
Let the delicious secret out
To every breeze that roams about."

WHAT WE WILL DO FOR ONE DOLLAR!

If you want the most Beautiful Flowers in your garden, use

Gardiner's Selected Flower Seeds.

We carry the most complete list of flower seeds in the United States; many of our choice strains being grown specially for our trade, and are not to be obtained from any other source whatever. If you want lovely flowers, give our choice seeds a trial. You will be more than satisfied with the results. Our No. 1 assortment contains full-sized packets, and will be mailed free, to any address, for **\$1.00**. See special offers below.

Our No. 1 Collection Flower Seeds contains:

Truffaut's Perfection Aster, . . . . .	.15
Sweet Alyssum, . . . . .	.05
Balsam, choice double, . . . . .	.05
Calliopsis or Coreopsis, choice mixed, . . . . .	.05
Calendula "Meteor," double orange, . . . . .	.05
Batchelor's Buttons (<i>Centaura</i>), . . . . .	.05
Chrysanthemum (double and single mixed), . . . . .	.05
Chinese Pink, mixed, . . . . .	.05
Eschscholtzia (California Poppy), . . . . .	.05
Ornamental Grasses, mixed, . . . . .	.05
Sweet Pea (<i>Lathyrus</i>), choice mixed, . . . . .	.05
Double Mixed Poppies, . . . . .	.05
Choice Single Petunias, . . . . .	.05
Phlox Drummond, choice mixed, . . . . .	.05
Mignonette, Sweet, . . . . .	.05
Scabiosa (Mourning Bride), . . . . .	.05
Silene (Catchfly), choice mixed, . . . . .	.05
Stock (Gillyflower), choice double, . . . . .	.05
Dwarf Nasturtium, mixed, . . . . .	.05
French Marigold, . . . . .	.05
African Marigold, . . . . .	.05
Pansy, German mixed, . . . . .	.10
Verbena, fine mixed, . . . . .	.05
Zinnia, double mixed, . . . . .	.05

See special offers below.

\$1.35

If you want the Choicest Vegetables in your garden, use

Gardiner's Selected Vegetable Seeds.

To those who do not wish to make their own selections of seeds, we recommend our "special assortments," which are replete with all the varieties necessary for supply of the different vegetables the year round. This assortment contains full-sized packets, and will be mailed free, to any address, for **\$1.00**. See special offers below.

Our No. 1 Collection Vegetable Seeds contains:

Golden Wax Bush Bean, . . . . .	.10
Lima Pole Bean, . . . . .	.10
American Wonder Peas, . . . . .	.10
Extra Early Peas, . . . . .	.10
Champion of England Peas, . . . . .	.10
Excelsior Sweet Corn, . . . . .	.10
Danver's Half Long Carrot, . . . . .	.05
Dewing's Blood Beet, . . . . .	.05
Improved White Spine Cucumber, . . . . .	.05
Triple Curled Parsley, . . . . .	.05
Tennisball Lettuce, . . . . .	.10
Seminole Watermelon, . . . . .	.10
Netted Gem Muskmelon, . . . . .	.05
Danver's Globe Onion, . . . . .	.05
French Breakfast Radish, . . . . .	.05
Early White Bush Squash, . . . . .	.05
Red Top Strap-leaf Turnip, . . . . .	.05
Purple Top Ruta Baga, . . . . .	.05
Improved Hollow Crown Parsnip, . . . . .	.05

See special offers below.

\$1.35



KNOWLEDGE IS POWER!

A Budget of Garden Knowledge once a month at a nominal cost.

In conjunction with our special offers, "What we will do for a Dollar," we are enabled through the courtesy of the publishers of *Popular Gardening*, to make the following proposal to our customers:— To every buyer of our special dollar assortment of flower seeds, or our special dollar assortment of vegetable seeds, we will furnish, on application, a coupon entitling the holder to receive *Popular Gardening* for **six months, free of charge**. This coupon has to be mailed to *The Publishers of 'Popular Gardening,' Buffalo, N. Y.*, giving them the name and address to which to send the journal. To every buyer of both the flower and the vegetable seed assortments (as above), a coupon will be furnished on application, entitling the holder to receive the journal **one year, free of charge**, on presentation to the publishers.

The subscription price of this valuable publication is \$1.00 per annum. If you do not wish to avail yourself of this remarkable COMBINATION OFFER (as above), you can mail your subscription direct to Buffalo, and mention where you saw the announcement.

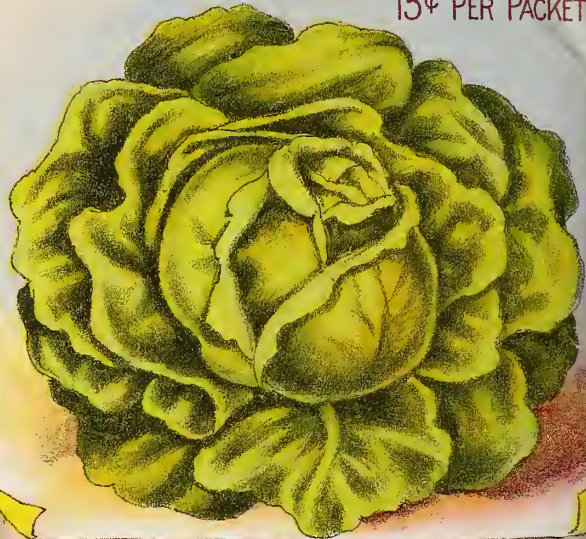
15 CTS. PER PACKET.



NEW BLOOD RED DRUM-HEAD CABBAGE

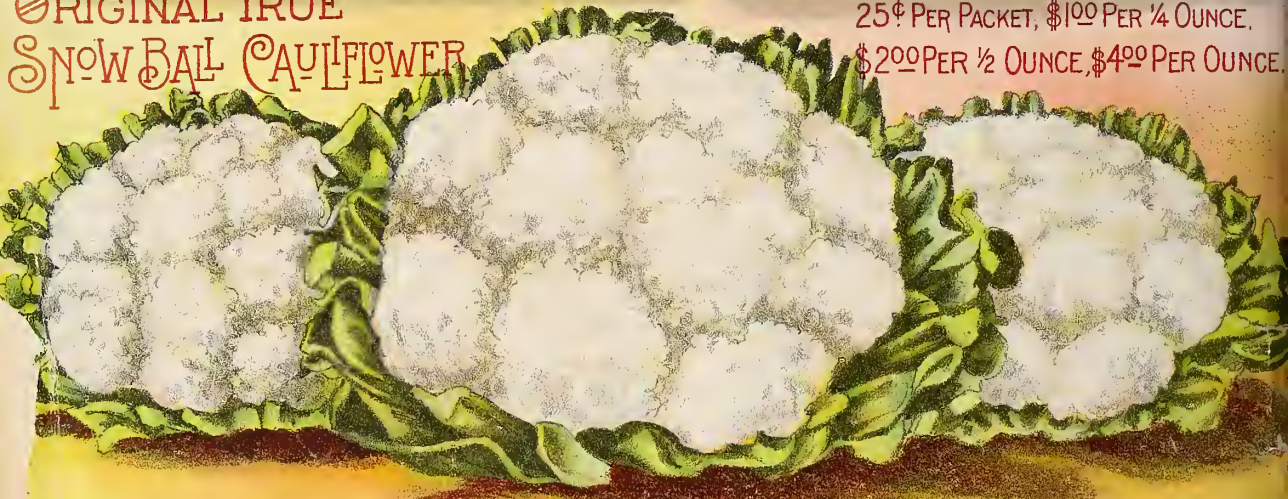
NEW ARLINGTON TENNIS BALL LETTUCE

15¢ PER PACKET.



ORIGINAL TRUE SNOW BALL CAULIFLOWER

25¢ PER PACKET, \$1.00 PER ¼ OUNCE,
\$2.00 PER ½ OUNCE, \$4.00 PER OUNCE.



NEW PEAS

THE WHOLE COLLECTION
AS ABOVE
(ONE PACKET OF EACH)
FOR 50 CTS.

THE "WM. HURST"

15¢ PER PKT.

NEW PEAS

THE DUCHESS