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DEPARTMENT OF AGRICULTURE,
DIVISION OF
MAR 17 1898
BOTANY
SEED LABORATORY.

1897 Annual
Illustrated
Catalogue
of

SEEDS



A. TILTON
& SON.

85-87 WOODLAND AVE.,
CLEVELAND, O.

J. BEYER PRINT, CLEVELAND.

TO THE GROWER.

THE RESULTS of demoralized markets, lack of money and all causes, which, summed up are called "hard times," that have so seriously affected the producers of the country, have been experienced by us. The discouragement and oftentimes distress attendant upon the low prices or no prices at all of farm and garden crops, which have affected each and every grower, have been felt by us. Our interests are mutual; what harms the grower harms us; what benefits the grower benefits us.

While our sales of seeds last year were a great increase over those of the year before, they were not, we are confident, what they would have been in prosperous times. This means that the discouragement produced by small realizations from crops, has been allowed to persuade the grower to do less planting. This, we think, is the wrong way to cope with the disease. He should, on the other hand, plant more and thereby fortify himself with large crops if he cannot obtain high prices. In this way he will be prepared to meet high prices with a substantial welcome, should they arrive. With many promises of prosperous times, and hopes for better markets, we should all set in with renewed energies, to fight for an honorably earned sustenance.

We have this year revised our prices with great care, with a view to furnishing the grower seeds and implements at the **lowest possible prices** consistent with **best goods**.

To Growers who have not dealt with us before, we call your attention to the excellent quality of our seeds, and refer you to the reputation which they have won.

This testifies that in benefiting the grower by selling good seeds, we have benefited ourselves. For, as we said, our interests are mutual.

Very truly,
A. TILTON & SON.

REMARKS.—Read Carefully Before Purchasing.

Terms.—Our terms are strictly cash. Remittances should accompany all orders.

Prices.—Are quoted by the packet, ounce, pound, quart and bushel. They are the prices ruling at this date, and do not include cost of transportation.

Postage.—We send postpaid to any postoffice in the United States, all packets, ounces and two ounces of Flower and Vegetable Seeds. On all seeds by weight where quantity exceeds that above mentioned, 8 cents per pound must be added for postage. On corn 5 cents per pint, 10 cents per quart, and on Beans and Peas 8 cents per pint and 15 cents per quart must be added for postage.

Rates of postage on Bulbs and Plants will be found under their respective headings. All seeds or plants sent by express or freight will be sent at expense of purchaser.

Packing.—We make no charge for boxes, barrels or packing, or delivery to depots, boats or express office.

Bags.—When bags are required they are charged at cost only.

Remittances.—Remittances may be made by New York Draft, Post Office Money Order, Registered Letter, or by Express.

Address.—In ordering be particular to sign your Name, Post Office, County and State plainly, also mention the mode of transportation you prefer—whether by Mail, Express or Freight.

Warrants.—There are hundreds of contingencies continually arising to prevent the best seeds always giving satisfaction, and for this reason we wish to state explicitly that while we have used the greatest care in selecting our stock, to have it true to name, pure and reliable, our seeds are sold without any warranty expressed or implied, and without any responsibility in respect to the crop.

Deutscher Katalog.

Zur Bequemlichkeit unserer zahlreichen deutschen Kunden haben wir dieses Jahr einen deutschen Katalog separat drucken lassen. Derselbe enthält insbesondere Gemüse- und Farm-Sämereien und wird gratis verabfolgt. Man spreche bei uns vor oder schreibe um solchen.

Supplement:

Including some NOVELTIES of this year, and many valuable Specialties of recent introduction, to which we desire to call special attention.

BURPEE'S BUSH LIMA BEAN.



BURPEE'S BUSH LIMA BEAN.

A PERFECT
BUSH FORM OF THE
LARGE LIMA.



ONE OF THE
MOST REMARKABLE OF NEW
VEGETABLES.



VALUABLE — DISTINCT.



Comes true from Seed.

Can be raised in quantity at small cost without the expense and labor attached to the use of poles.

The bush character is thoroughly established, very few of the plants showing any disposition to "run." The bushes are of stout growth, always erect, and about 18 to 20 inches high. It is a SURE CROPPER and an IMMENSE YIELDER, each bush bearing from 50 to 200 large pods, well filled with beans which are identical in size with the large Pole Limas. Per pkt. 5c., qt. 30c., 2 qts. 50c., bu. \$6.00.

CROSBY'S IMPROVED EGYPTIAN BEET.

A SUPERIOR STRAIN OF THE WELL-KNOWN EARLY EGYPTIAN.

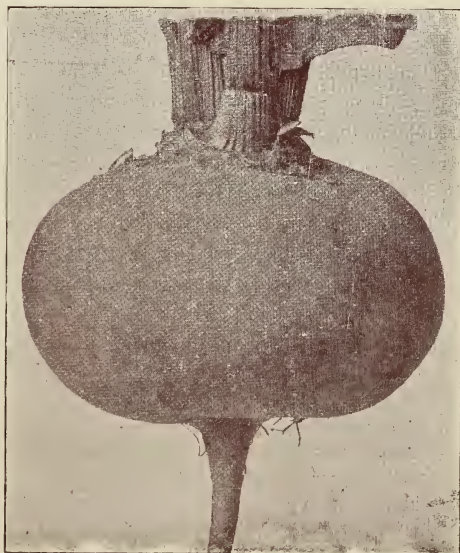
THE RESULT OF YEARS OF CAREFUL SELECTION, by a noted eastern market gardener.

Retains the earliness of the parent stock and is the best beet for forcing or for first-sowing outside. Desirable for small beets for forcing or for early market, as it assumes its turnip shape in the early stages of growth, and on this account is preferable to other varieties, requiring a longer time to attain a marketable shape and size.

Is of handsome form, not so flat as the ordinary Egyptian nor as round as the Early Eclipse: of good size, fine quality, dark blood red color, with very small tap root and few small tops. Of very rapid growth, and may be sown outside as late as July. Per pkt. 5c., oz. 10c., 2 oz. 15c., lb. 60c.

COLUMBIA BEET.

A distinct new Beet of handsome turnip shape, with smooth clear skin, and deep blood red flesh. It grows as quickly as the Egyptian, and does not become coarse and stringy when grown to a large size. Very even in growth, and of excellent quality. The foliage is small, and of dark bronze red color. A splendid variety for winter, grown from seed in July. Per pkt. 5c., oz. 10c., 2 oz. 15c., lb. 60c.



CROSBY'S IMPROVED EGYPTIAN BEET. (From a Photo.)

BURPEE'S ALL-HEAD EARLY CABBAGE.

The earliest of all large cabbage; at least a week earlier and fully one-third larger than any of the various strains of early summer cabbage.

A profitable variety for the market gardener.

The best all-the-year-round cabbage for the home garden.

The heads are deep, flat, remarkably solid and uniform in color as well as in shape and size. The main feature of a good cabbage is tenderness, and in this respect this variety surpasses all others.

While All-head Early is all that can be desired for earliness, it is also valuable for late or winter cabbage.

By reason of its compact habit of growth and absence of loose leaves, more heads can be obtained to the acre than of most other varieties of good size. Per pkt. 5c., oz. 25c., 2 oz. 40c., lb. \$2.50.



BURPEE'S ALL-HEAD EARLY CABBAGE.

●●●●●●●●●● HOLLAND CABBAGE. ●●●●●●●●●●



The hardest heading, finest grained and best keeper of any cabbage grown. Distinct from all others.

Forms heads of medium size averaging a weight of eight pounds; very solid and deep, and of a fine white color. It is remarkable for its keeping qualities when buried over winter, the heads being as solid and perfect when taken up in the spring as when they were put away in the fall. The best variety for spring sales after all other sorts are gone, at which time it commands a high price. Per pkt. 5c., oz. 30c., 2 oz. 50c., lb. \$3.00.

●●●●● RUBICON ●●●●● HALF-LONG ●●●●● CARROT.

An entirely distinct American carrot of recent introduction.

Of very uniform shape, earlier than Danver's, about the same length but heavier and thicker at the shoulders; deep red orange color; quality the finest of all. Grows well under the ground, thus preventing it from becoming sunburnt. A remarkably heavy cropper. Per pkt. 5c., oz. 10c., 2 oz. 15c., lb. 75c.



RUBICON CARROT. (From a photo.)

BURBANK'S EARLY MAINE SWEET CORN.

The earliest large sugar corn { Does not flint like some of the quick-growing early varieties now offered, for which such extravagant claims as—"matures in 60 days"—
"ears as large as evergreen" are made.

Pure white cob: large white ears.

We recommend it as a Superior Sort for Market Gardeners.

Free from the red color of other extra early varieties.

Without doubt the largest early Sweet Corn; claimed to be from 3 to 5 days earlier than Cory, and has many advantages over that famous variety.

The ear is much longer and larger, with a pure white cob, and rich cream-white color, sweet and juicy. The stalks grow to medium height, and on good ground will yield on an average, two good ears.

For large white ears, sweetness, and length of time it remains fit for use, it is one of the most desirable. Per pkt. 5c., qt. 15c., 2 qts. 25c., bu. \$2.50

TILTON'S TWELVE ROWED CORN.

AN EXCELLENT VARIETY OF OUR OWN INTRODUCTION.

THE BEST MEDIUM EARLY OR MAIN CROP CORN. SUPERIOR IN EVERY RESPECT.

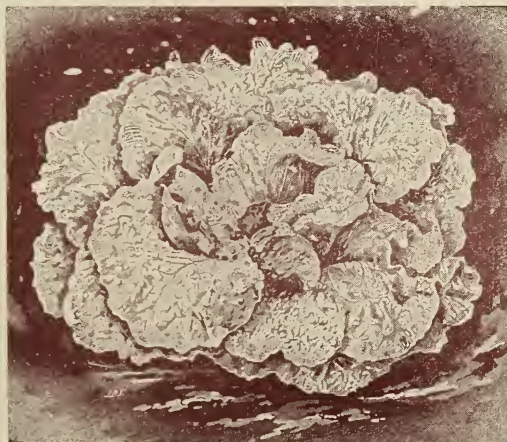
As a variety to plant for profit it is unsurpassed on account of its productiveness, while for home garden use its excellent quality commends it to all.

It is not a mammoth sort, but a strong vigorous grower, of medium height, producing from three to four good sized, marketable ears to a stalk. The ears are of handsome shape, well filled to the tip, twelve-rowed, rows evenly set on the cob. The grain is pure white, of delicious quality, sweet, rich and tender.

We recommend it to the market gardener as the best variety for market purposes, and for the home garden, as one of the most desirable varieties offered.

Per pkt. 5c., qt. 20c., 2qt. 30c. bu. \$3.00

GOLDEN BEAUTY LETTUCE.



GOLDEN BEAUTY LETTUCE.—From a photo.

ONE OF THE FINEST SORTS
EVER ADDED TO THE
LIST OF LETTUCES.

Introduced by us in 1892, and from the thorough trials accorded it has given pronounced satisfaction everywhere. It is not only the best lettuce for forcing under glass in greenhouse or hot-bed, but is equally valuable for growing in cold frames or open ground. In its bright golden color, crispness and good keeping qualities, it stands unapproached by any other variety. It forms a large central cluster of thick, slightly ruffled leaves, that make almost a head, blanching thoroughly, and in flavor unsurpassed. Per pkt. 5c., oz. 25c., 2 oz. 40c., lb. \$2.50.

TILTON'S WHITE STAR LETTUCE.



TILTON'S WHITE STAR LETTUCE.

This variety, which we introduced a few years since, has been accepted throughout the country, by the seed trade in general, as a grand novelty. It certainly is one of the best varieties for forcing or planting out of doors. Its favorable characteristics have made it a standard variety.

**Enormous in Production! Rapid in Growth!
Large Loose Heads!**

With leaves light in color, savoyed and crisp.

The quality of Tilton's White Star is such as to keep it in good salable condition for a long time, both before and after cutting.

We are the original introducers of this grand lettuce. By ordering of us you will get pure true stock. Per pkt. 5c., oz. 15c., 2 oz. 25c., lb. \$1.50

4 GRAND PEAS.

NOTT'S EXCELSIOR.

A POPULAR NEW VARIETY.
THE BEST EXTRA EARLY DWARF WRINKLED PEA.
EARLY, VIGOROUS, PRODUCTIVE.

Surpassing in earliness, yield and quality. The vines are larger and more vigorous than American Wonder, of even, regular growth, about 15 inches high. Pods are fully one-third larger than any other dwarf, wrinkled variety, and contain from six to eight fine large peas which in sweetness and quality are superior. Per pkt. 5c., qt. 25c., 2 qts. 40c., bu. \$5.00

HEROINE.

A MAGNIFICENT CROPPER. WELL FILLED PODS.
LARGE, HANDSOME, UNEXCELLED QUALITY.
MEDIUM EARLY, WRINKLED, SEMI-DWARF.

A pea of recent introduction that is far superior to all other varieties, as it combines quantity and quality in a degree possessed by no other pea on the list.

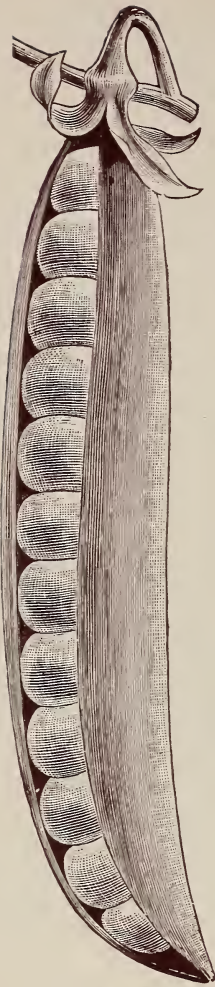
It is a medium early, green wrinkled sort; the vines grow uniformly about 2½ feet high and bear a profusion of long, heavy, pointed pods, containing from seven to ten and sometimes as high as twelve large, rich, marrow-like flavored peas.

It has proven to be a favorite pea with market men, and we recommend it, knowing well that it will give the highest satisfaction. Per pkt. 5c., qt. 25c., 2 qts. 40c., bu. \$5.00

PARAGON.

ONE OF THE BEST VARIETIES FOR GENERAL CROPS.
PODS OF IMMENSE SIZE.
THE GREATEST PRODUCER KNOWN. WILL OUT-YIELD ALL OTHERS.

Comes into bearing earlier than Champion of England and following Advancer. Vines of vigorous growth; stalks thick and heavy, covered with luxuriant foliage; large, straight pods, of rich green color, containing six to nine peas of superb quality. Per pkt. 5c., qt. 25c., 2 qts. 40c., bu. \$5.00



HEROINE PEA.



SHARPE'S QUEEN.

THE BEST OF THE
LARGE PODDED SORTS.

A green, wrinkled, main crop variety, growing two to two and a half feet in height. The PODS ARE VERY LARGE, slightly curved, produced mostly in pairs, and are packed full of large oval dark green peas of a delicious flavor when cooked.

The vines are of sturdy growth, and are covered with pods from bottom to top. On account of its branching habit it may be sown more thinly than most varieties.

This pea is without question, the finest of late introductions, and we offer it with the greatest confidence in its merits. It is bound to become a great favorite with market gardeners. Per pkt. 5c., qt. 25c., 2 qts. 40c., bu. \$5.00



SHARPE'S QUEEN PEA.

EXTRA SELECTED YELLOW GLOBE DANVERS ONION.

THE FINEST STRAIN IN CULTIVATION.

DISTINCT FROM THE OLD TYPE OF YELLOW GLOBE DANVERS.

SUPERIOR IN PRODUCTIVENESS, SHAPE AND SIZE.

MATURES EARLY AND RIPENS UNIFORMLY.

THE MOST PROFITABLE ONION FOR THE MARKET GARDENER.

This special strain of Yellow Globe Danvers Onion is THE RESULT OF CAREFUL SELECTION, and combines all the desirable qualities of a market onion.

It is grown from selected hand picked bulbs, none but those of perfect size and shape being set for seed.

Of PERFECT GLOBE SHAPE, rich orange yellow color, with VERY SMALL NECK; fine grained, solid, mild flavor and excellent quality.

It is well adapted to all classes of soils and especially good for marsh lands, on account of its quick maturing qualities. The Onions are the VERY BEST OF WINTER KEEPERS. Its handsome appearance, long keeping qualities and enormous productiveness commend it to all onion growers. Per pkt. 5c., oz. 15c., 2 oz. 25c., lb. \$1.25.

GLASS RADISH.

QUICK GROWTH, SMALL TOPS,
BRIGHT COLOR.

BEYOND DOUBT THE BEST FORCING VARIETY IN THE LIST
OF RADISHES

VERY POPULAR WITH MARKET GARDENERS.

The roots are half-long, of uniform size, rose-pink color shading into white at the tips. They mature in thirty days and remain crisp and brittle if grown to a large size.

The flesh is transparent white and very mild flavored. On account of its fine transparency this radish was named "Glass." It meets with much favor with everyone who grows it. Per pkt. 5c., oz. 10c., 2 oz. 15c., lb. 75c.



GLASS RAD SH.

HADLOW'S EXTRA EARLY MAMMOTH RHUBARB.

A GRAND NEW SEEDLING.

THE EARLIEST VARIETY EVER INTRODUCED.

FOR FORCING AHEAD OF ALL OTHERS;
FOR OUT-DOOR GROWING—UNEQUALED.

OF EXTREMELY RAPID GROWTH.

VIGOROUS—PRODUCTIVE.

LARGE STALKS OF ATTRACTIVE COLOR.

This new seedling pie-plant was propagated from seed of the Victoria variety, by Mr. John Hadlow, a well known Cleveland Market Gardener.

It is of vigorous growth, and very productive; the leaf stalks are long, broad, very heavy and of most attractive color.

A grand feature of this novelty, one which makes it a most PROFITABLE SORT FOR MARKET USE, is its earliness, being AT LEAST TEN DAYS EARLIER THAN ANY OTHER VARIETY in cultivation. We recommend it to all growers. Do not fail to try it. Large roots, each \$1.00; per doz. \$10.00.

VICTORIA SPINACH.

A new variety of the round-leaved type, introduced from Germany a few years since. Has been thoroughly tried in many sections of this country, and has proved an acquisition to the list of spinach. It matures later than most varieties, is of very thrifty growth, and especially suitable for spring sowing on account of its long standing qualities. The leaves are large, thick, heavily crimped, and of very dark green color. Per oz. 5c; lb. 20c; 10 lbs. \$1.50.

NOVELTIES IN FLOWERS.

NEW GIANT COMET ASTER, "THE BRIDE."

In delicacy of coloring and elegance of form, this novelty is unequalled by any of the Asters. The flowers are of immense size, composed of long, wavy, twisted petals like those of the Japanese Chrysanthemums. The color is charming, being at first a pure white, which in a day or two changes to a delicate blush, and finally to a beautiful rose tint. Per pkt. 15c.

PRINCESS ASTER, "ROSALIND."

This is a rose colored variety of the well-known Princess or Snowball Aster. It has the same habit, the same round, short petalled Liliput dahlia-like flower, is just as free flowering, and continues as long in bloom as the Snowball. The blossoms are of a most charming bright rose color, and the whole plant possesses a beauty and elegance which few other Asters can rival. Per pkt. 15c.

ASTER, VICK'S BRANCHING WHITE.

A strong grower, of branching habit, blooming later in the season than any other variety, lengthening the Astor season until frost.

The flowers are pure white of large size, borne on long stems, with broad long petals. Per pkt. 10c.

NEW ASTER, SEMPLE'S BRANCHING.

A choice strain of American grown Asters, which by careful selection, have been brought to a high degree of perfection. ESPECIALLY DESIRABLE FOR CUT FLOWERS.

The plants branch very freely and bear very large flowers on stems twelve inches long. The flowers are equal to early Chrysanthemums, which they much resemble; very large, of perfect form, 4 to 6 inches in diameter; the colors are clear and handsome, White, Pink, Lavender, Mixed colors. Per pkt. 10c; one pkt. each of three separate colors, 25c.

NEW MAMMOTH COSMOS.

GIANT EARLY FLOWERING FANCY.

IMMENSE FLOWERS. DELICATE COLORS. EARLY FLOWERING.

The flowers of this superb new strain are double the size of the old large flowering Cosmos, and measure 4 to 5 inches in diameter; they are produced in great diversity of

colors. The petals are broad and overlapping, forming a perfectly round flower, deeply ribbed, and of splendid substance.

The colors range from pure white through shades of pink, deep rose, and crimson to light red; there are also many dark shades heretofore unknown in Cosmos.

For cutting for bouquets and vases this is one of the finest flowers grown, lasting in water for two weeks; the long stems and feathery foliage bending themselves to graceful arrangements.

The plants are five to six feet high and of symmetrical pyramidal form.

Per pkt. 10c.



NEW IMPERIAL JAPANESE MORNING GLORIES.

The Handsomest and Most Interesting Race of Climbers ever Introduced.

Unsurpassed for Beauty.

Gigantic Flowers of Exquisite Colors.

Magnificent Foliage.

These grand new Morning Glories from Japan are remarkable for the large size and exquisite new colors of the flowers and magnificent foliage of various forms and markings. Of strong, robust growth, attaining a height of 30 feet during the Summer. The flowers are of gigantic size, measuring 4 to 6 inches across, of good substance, remaining open the greater part of the day. The colorings are beyond description, and range from snow-white to black-purple through all the shades of blue and red; some are streaked, mottled, striped, marbled and bordered in wonderful profusion.

The leaves are large, heart shaped, many of them of a rich, dark color, marbled with silvery-white or yellow. The Imperial Japanese Morning Glories are of the easiest culture: can be sown in the open ground in almost any situation, as soon as the weather becomes warm and settled. Everyone should try them.

Per pkt., 10c. Three pkts., 25c. Oz., \$1.00.



NEW IMPERIAL
JAPANESE MORNING GLORIES.

"GREATER CLEVELAND" PANSIES.

Unrivalled for Size, Diversity of Colors and Markings, Beauty of Form and Free Flowering Character. The Richest and Most Chocily Varied Mixture Ever Offered.



TYPE OF "GREATER CLEVELAND" PANSIES.

A collection which embraces over three score distinct colors, shades and markings, made up in a most careful manner, regardless of cost, from the choicest strains produced on the pansy seed farms and trial grounds of American, English, German and French specialists. It contains all the solid or self colors, dark and light marbled varieties; others with clear, distinct eyes, large stained, blotched, mottled and striped kinds; silver edged, mahogany spotted, gold margined and many entirely new shades that can only be had in this mixture, including several new and grand sorts secured this season. The plants are of compact growth, and flower very profusely, producing flowers of fine forms measuring from 2½ to 4 inches in diameter, and continuing to bloom most freely throughout the entire summer.

"GREATER CLEVELAND" PANSIES

Will Astonish and Delight Everyone who Plants Them.

Per pkt., (250 seeds) 25c., 5 pkts., \$1.00.



A SINGLE PLANT OF "CUPID."—Grown in a pot.

THE FIRST AND ONLY DWARF SWEET PEA—"CUPID."

Grows Only Five Inches High! A Great Floral Novelty, Introduced Last Season.
Comes True From Seed. Very Free Flowering.

Shows no tendency to climb, but branches from the root. Its dwarf habit makes it available for pot culture in the house or conservatory, while its compact, spreading manner of growth renders it

Of Great Value for Edgings and Bedding.

The flowers are pure waxy white, of good substance, not quite so large as "Emily Henderson," borne two or three on a stem about 4 inches long. The plant is a wonderfully free bloomer, coming into flower as early as May and continuing until frost.

Not only has this great novelty excited universal admiration from all who have seen it growing in America, but it has won the highest possible honors in Europe, having received an AWARD OF MERIT from the Royal Horticultural Society of London, Eng., the highest honor that can be conferred upon a new variety.

Per pkt., 10c. Oz., 30c. $\frac{1}{4}$ lb., \$1.00.

NEW SWEET PEAS.

AMERICA.

A Distinct and Striking New Variety.

Of the large flowering type. Its color is a white ground, and through the center of the standard is a wide, carmine scarlet blotch, veined with fine scarlet lines running toward the edges and showing in the same manner on the wings. The dashing contrast of the heavy scarlet blotch on the white ground makes the blossoms very effective in a mass of cut bloom or when flowering in the garden.

Per pkt., 5c. Oz., 15c. Lb., \$1.25.

BLANCHE BURPEE.

A Giant White Sweet Pea.

It is of most exquisite form and immense size, having a bold upright shell-shaped standard of great substance, and a wonderfully free bloomer. A robust grower and usually bears three flowers on long, stout stems, the plant being literally covered with bloom from bottom to top. The flowers are pure white and very fragrant. This grand Eckford variety is pronounced by all who have seen it as the finest White Sweet Pea ever introduced.

Per pkt., 5c. Oz., 10c. Lb., \$1.25.

GRAY FRIAR.

Entirely Unlike any other Sweet Pea.

A most beautiful watered purple on white ground, the heaviest coloring being on the back of standard. The flowers are of hooded form and large size, are borne three and four on a stem. Perfectly beautiful in a bouquet when bunched alone, giving a decidedly gray effect.

Per pkt., 5c. Oz., 15c. Lb., \$1.25.

JUNIATA.

Bears fine large flowers of the improved hooded form. Color, pure white, delicately lined and striped with pale lavender. The plant is a vigorous grower and free bloomer.

Per pkt., 5c. Oz., 15c. Lb., \$1.25.

RAMONA.

Grand flowers of large size and improved hooded form. A vigorous grower and bears three or four flowers to the stem. Its coloring is delicately beautiful; a creamy white daintily splashed with pale pink on standard and wings.

Per pkt., 5c. Oz., 15c. Lb., \$1.25.

RED RIDING-HOOD.

An Entirely New Departure in Form.

When fully developed, the standard and wings are a pleasing rosy pink, shading to bluish white at the calyx; the keel, which is almost completely enveloped, being nearly pure white. Although unusually robust in habit, it is early flowering, and in plentitude and continuity of bloom it excels all other existing sorts. The standard is diminutive and peculiarly curved, forming a hood around the wings, the tips of which protrude with slightly fluted edges, lending a novel and pleasing beauty to the flower. The fragrance surpasses in a marked degree that of other varieties of Sweet Peas. The length and rigidity of the stems is remarkable, and when cut the stem and bloom retain their stability for a much longer period than other sorts.

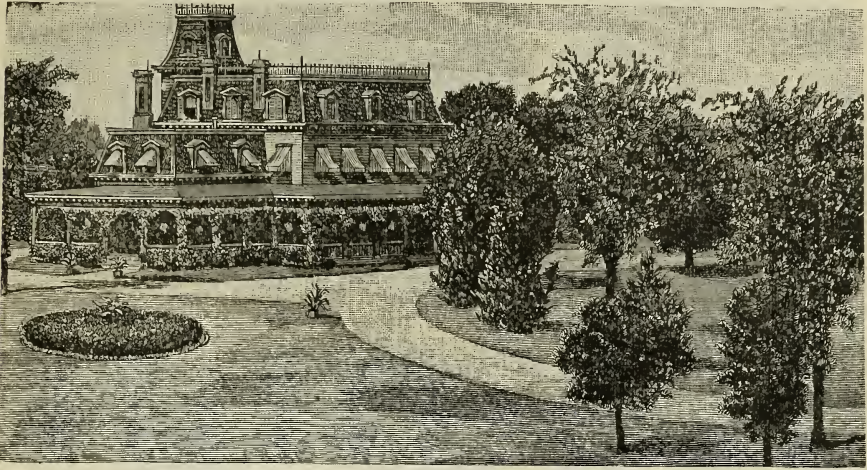
Per pkt., 15c.

Tilton's Fine Mixed Lawn Grass Seed.

It is *PURE, CLEAN, HEAVY.*

WITH IT YOU CAN MAKE A HANDSOME LAWN
IN A FEW WEEKS' TIME.

Will insure a close, velvety turf, maintaining its beautiful deep green color throughout the season



A Good Well-Kept Lawn is one of the most pleasing features about a home, and a source of great pride to the possessor, while a poor one is the cause of constant annoyance and expense.

To Obtain a Beautiful Lawn one must be particular, first, in the selection of seed, second, in the preparation of the soil.

In fitting the ground for a lawn, care should be taken to have the work done in a thorough manner, as in that condition it will last for years; but if slighted in the beginning may result in partial or complete failure.

The soil should be properly drained, if necessary, thoroughly spaded and raked, making the surface as fine and smooth as possible, applying at the same time a liberal quantity of well-rotted manure, fine-ground bone, or Bowker's Lawn and Garden Dressing.

After the seed has been sown the ground should be raked or rolled lightly to cover it. If sown in the spring, sow as early as possible, the earlier the better, if the soil is in good condition. If sown in the fall, sow before autumn rains have ceased, and before very cold weather. When the grass becomes established it should be frequently cut. The oftener it is mown the finer and softer the turf becomes. Frequent rolling is also indispensable to maintain the sod in good order. By adopting these means a velvety green lawn will be obtained.

Old Lawns may be improved and greatly benefitted if, as early in spring as convenient they are carefully raked so as to remove the dead grass and old leaves that may have collected, a liberal quantity of seed sown over the bare spots and thin places, and then thoroughly rolled or tamped with the back of a spade.

A Word About Seed. No one kind of grass will produce a lawn that will retain its verdure throughout the season, but a mixture of several is essential, as some varieties are more luxuriant in the spring, others in the summer, and still others in the autumn, and a proper combination of these various sorts is required to create and maintain a permanent lawn.

Tilton's Fine Mixed Lawn Grass Seed is composed exclusively of the very best varieties of grass, such as are best adapted to produce a compact, velvety sod; it contains no annual grasses for making a quick show to the detriment of a good lawn, but only those of lasting value and hardiness, which, when once established need no reseeding for years. In the preparation of it we use only the choicest grades of seed—thoroughly re-cleaned and free from weeds or foreign seed. It has been used on many of the finest private grounds, whose lawns are models of perfection, and on the parks and boulevards of Cleveland for several seasons past, where its merits were thoroughly tested in comparison with many other mixtures.

One pound of this mixture is sufficient to sow a space 30x20 feet, or 600 square feet. **Price**, per lb., 25c.; per bu., 18 lbs., \$3.00.

Full instructions how to make a lawn on every package.

Lawn Seed, as a rule, is sold by the quart, which is the most profitable way to the seedsman, for, it being very light seed, the more he will make by selling it in this way.

We have always sold lawn seed by the pound, which is equal to nearly two quarts, and it can easily be seen that if we furnish a pound at the same price as it can be bought for by the quart, the purchaser will get more for his money.

VEGETABLE SEEDS.

$\frac{1}{2}$ oz. supplied at ounce rate; $\frac{1}{4}$ lb. at pound rate; $\frac{1}{2}$ peck at bushel rate.

ASPARAGUS.

	Per packet, any variety, 5c.	OZ.	2 OZ.	LB.
Conover's Colossal. A standard sort; color deep green; quality good		.05		\$0.30
Palmetto. Of large size, even and regular in growth and appearance; bright green color		.10	.15	.50
Barr's Mammoth. Stalks very large with few scales; of light color. A desirable market variety		.10	.15	.40
Columbian Mammoth White. Produces pure white shoots; requires no artificial blanching and brings in market better prices than any other sort		.10	.15	1.00

ASPARAGUS ROOTS.

	Per 100.	Per 1000.
Colossal. Two years old	.50	\$4.50
Palmetto. Two years old	.60	5.00
Barr's Mammoth. Two years old	.60	5.00
Columbian Mammoth White. Two years old	.75	6.50

BEANS.—Dwarf or Snap.

$\frac{1}{2}$ pecks supplied at bushel rates.

GREEN PODDED VARIETIES.

	Per packet, (two ounces) any variety, 5c.	QT.	2 QTS.	BU.
Emperor William. Very early; extensively used for pickling; large flat pods		.25	.40	4.00
Early Mohawk. The hardiest of any; can be planted earlier than the more tender sorts		.20	.30	3.00
Long Yellow—Six Weeks. Early; leading market variety; straight flat pods		.20	.30	3.00
Canadian Wonder. Plants dwarf and compact; pods very long and of perfect form		.25	.40	4.00
Refugee, or 1000 to 1. Late; largely grown for main crop; very productive and tender; highly esteemed for use as pickles		.20	.30	3.00
Dwarf Horticultural. A popular variety; very productive		.20	.30	3.00

FIELD SORTS.

California Tree. The most prolific variety for field culture yet known. The beans resemble the Navy	.15	.25	2.50
Dwarf White Navy. A sure cropper; very prolific	.15	.25	2.50
White Kidney. A superior variety for baking; beans kidney shaped	.15	.25	2.50
White Marrow. Very prolific; beans large, clear white	.15	.25	2.50

WAX PODDED VARIETIES.

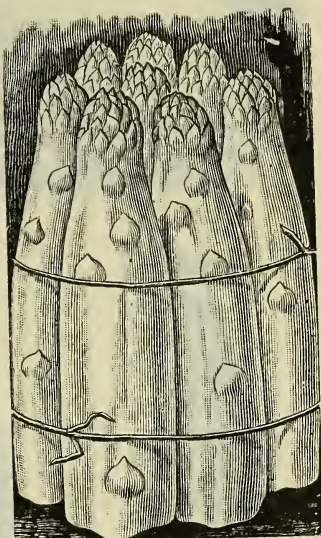
Per packet, any variety, 5c.

Improved Golden Wax. Very prolific; straight, thick; pods of a golden yellow color; free from rust	.20	.30	3.00
Thorburn Refugee Wax. Very early; pods long, round, of a waxy yellow color; an immense yielder	.20	.35	3.50
Golden-Eyed Wax. Hardy and prolific; straight, flat, yellow pods	.20	.30	3.00
Currie's Rust-Proof Wax. Early and vigorous, entirely free from rust; pods long, flat, straight, of a golden yellow color	.20	.30	3.00
Wardwell's Kidney Wax. A great favorite; very hardy, productive; free from rust; long flat waxy yellow pods; early	.20	.35	3.50
Detroit Wax. Resembles Golden Wax, but is less liable to rust	.20	.30	3.00

Our aim is to sell the very best stocks that can possibly be produced.



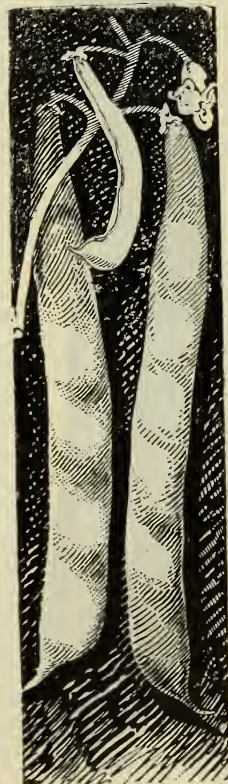
THORBURN REFUGEE WAX BEAN.



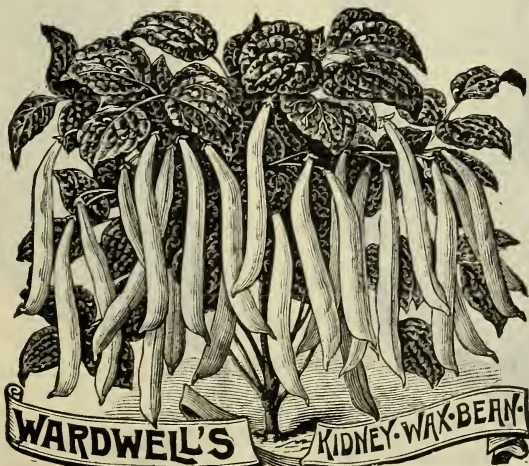
COLUMBIAN MAMMOTH WHITE ASPARAGUS.



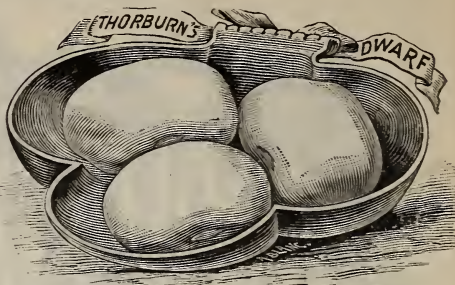
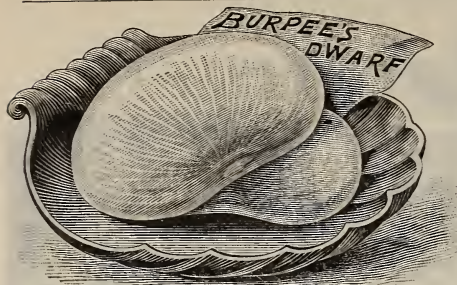
CANADIAN WONDER BEAN



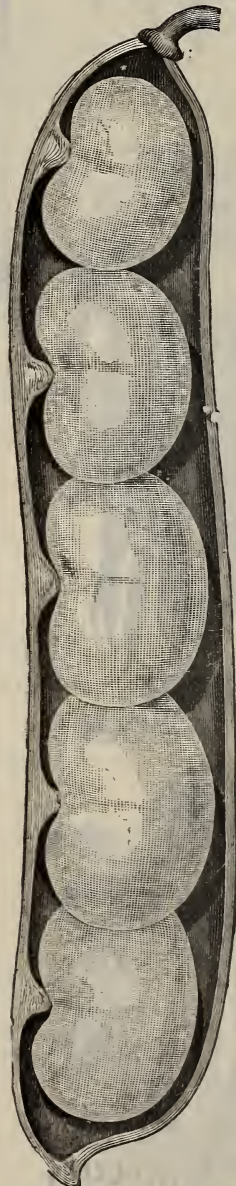
CURRIES' RUST PROOF WAX BEAN.



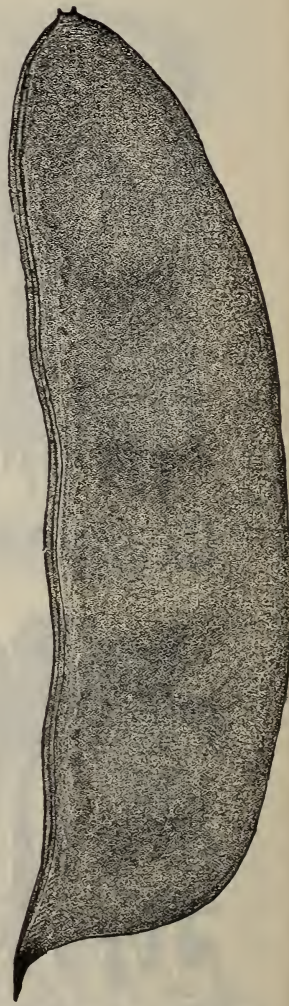
WARDWELL'S KIDNEY-WAX-BEAN.



EMPEROR WILLIAM BEAN



KING OF THE GARDEN LIMA BEAN.



BURPEE'S BUSH LIMA BEAN
Natural size of Pod.
Engraved from Nature.

BEANS—Continued.

	QT.	2 QTS.	BU.
Golden Wax. A popular and distinct variety; pods large, long and entirely stringless .....	.20	.30	\$3.00
German Black Wax. A well known variety producing short, round, curved, thick-fleshed pods.....	.20	.30	3.00
Violet Flageolet. Very showy and productive; pods long, flat curved and twisted, of a golden wax color.....	.25	.40	4.00
Ivory Pod Wax. Pods medium, oval, creamy white and wax-like.....	.25	.40	4.00

BEANS—POLE OR RUNNING.

Per packet, any variety, 5c.

Lazy Wife's. A late green podded sort; broad, thick pods, 4½ to 6 inches in length.....	.25	.40	5.00
Dutch Case Knife. Very early and prolific, with long, flat, irregularly shaped pods. A favorite for pickling.....	.25	.40	4.00
Scarlet Runner. Vines very ornamental, with dazzling scarlet flowers; beans large, of best flavor and quality.....	.25	.40	5.00
Early Jersey Lima. Earlier than Large White Lima; vines vigorous and productive .....	.30	.50	6.00
Large White Lima, Extra Size. Pods large and broad, a well-known sort .....	.30	.50	6.00
King of the Garden Lima. Similar to the common Lima, but more productive; pods 6 to 8 inches in length.....	.30	.50	6.00

BEANS—BUSH LIMA.

Per packet, any variety, 5c.

Thorburn Dwarf Lima. Grows twelve to eighteen inches high; vigorous and productive. Pods short, thick; beans very thick and of delicious flavor.....	.30	.50	6.00
Burpee's Bush Lima. A bush form of the Large White Lima; grows 18 to 20 inches high; an immense yielder and a sure cropper. Pods large and handsome; beans identical in size and flavor with the Pole Limas.....	.30	.50	6.00

BEEF.

Per packet, any variety, 5c.

	OZ.	2 OZ.	1 B.
Columbia. Round, smooth skinned; deep blood red flesh; very early, and of excellent quality.....	.10	.15	.60
Crosby's Improved Egyptian. A selection from the well known Egyptian Beet; very early and especially recommendable for forcing; tops small; deep blood red color.....	.10	.15	.60
Extra Early Egyptian. An early variety with small top; roots dark red; flat on top, 5 lbs., 40c per lb.; 10 lbs., 35c. per lb.....	.10	.15	.50
Early Eclipse. Extra early, with small tops; roots round, dark red, zoned with lighter red, 5 lbs., 40c. per lb.; 10 lbs., 35c. per lb....	.10	.15	.50
Detroit Dark Red Turnip. Small upright tops; matures early; roots globular; dark blood red color.....	.10	.15	.60
Edmund's Improved Blood Turnip. Very regular in growth; deep blood red color, 5 lbs., 40c. per lb.; 10 lbs., 35c. per lb.....	.10	.15	.50
Bastian's Early Blood Turnip. One of the earliest; roots turnip shaped; light color .....	.10	.15	.50
Early Turnip Bassano. Grows to large size; light color; best variety for greens .....	.10	.15	.50
Half Long Blood. Splendid for winter use. Flesh dark red; never becomes woody .....	.10	.15	.50
Long Smooth Blood. Roots large; dark red. Late variety and a good keeper .....	.10	.15	.50
Swiss Chard, or Sea Kale Beet. A distinct vegetable, used for greens or pickles .....	.10	.15	.50

In comparing prices remember that we sell ¼ lb. at pound rate;
 ½ peck at bushel rate.



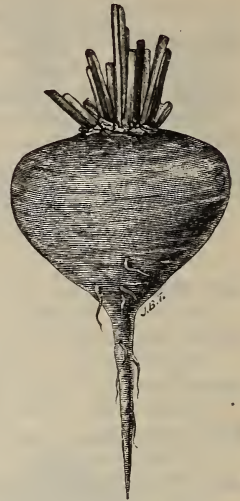
EXTRA EARLY
EGYPTIAN
BLOOD TURNIP BEET.



EARLY
ECLIPSE BEET.



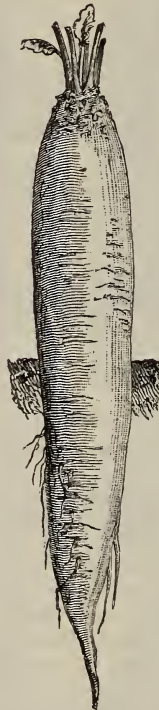
EDMUND'S IMPROVED
BLOOD TURNIP
BEET.



BASTIAN'S EARLY
BLOOD TURNIP BEET.



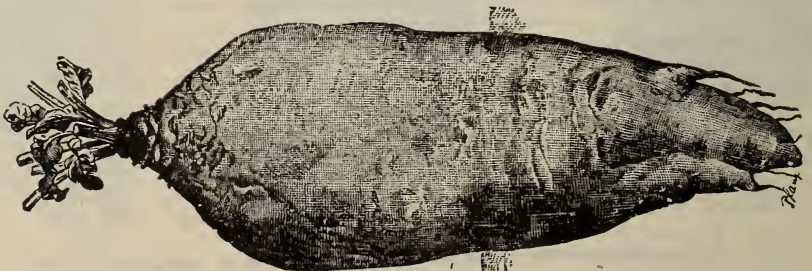
HALF LONG BLOOD
BEET.



LONG SMOOTH BLOOD BEET.



GOLDEN TANKARD
MANGEL WURZEL.



MAMMOTH LONG RED MANGEL WURZEL.

BEETS—Continued.**BEETS FOR CATTLE FEEDING.**

	OZ.	LB.
Mammoth Long Red Mangel Wurzel. A large variety; very productive, 5 lbs., 20c. per lb.....	.05	\$0.25
Norbiton Giant Mangel Wurzel. Very large, with straight well-formed roots; scarlet color, 5 lbs., 20c. per lb.....	.05	.25
Golden Tankard Mangel Wurzel. Roots large, ovoid, yellow. Highly esteemed by the best dairymen, 5 lbs., 20c. per lb.....	.05	.25
White Silesian Sugar. Grows to a large size; is useful for sugar making as well as stock feeding.....	.05	.25

BRUSSELS SPROUTS.

Per packet, 5c.

	OZ.	2 OZ.	LB.
Perfection. Produces compact sprouts of excellent quality. Grows about 2 feet high.....	.15	.25	1.50

CABBAGE.

Per packet, any variety, 5c.

	OZ.	2 OZ.	LB.
Extra Early Express. A first early variety; forms solid compact conical heads.....	.15	.25	1.50
Earliest Etampes. Extra early; solid firm conical heads.....	.15	.25	1.50
Early Jersey Wakefield. A standard early variety, held in high esteem by market gardeners generally.....	.25	.40	2.50
Charleston Wakefield. Heads the same shape as the Early Jersey Wakefield, but average about 50 per cent. larger, and mature a few days later.....	.25	.40	2.50
Early Winningstadt. A popular sure-heading early variety; heads large, solid, conical.....	.15	.25	1.50
Succession. Second early round-headed sort; heads up evenly; of good quality; in all respects desirable.....	.20	.35	2.00
Henderson's Early Summer. Produces large, flat, compact heads; second early.....	.25	.40	2.50
Burpee's All Head Early. A superior second early; heads deep, flat, solid, and uniform in shape and size.....	.25	.40	2.50
Early Dwarf Flat Dutch. One of the best second earlys. Heads solid, round, flat on top. Resists heat well.....	.25	.40	2.50
Early Deephead. Large, round, deep heads. Splendid keeper.....	.20	.35	2.00
Fottler's Early Brunswick. Has very short stem; heads large, very flat, remarkably compact.....	.20	.35	2.00
All Seasons. Valuable for market gardeners; one of the best for second early or late; attains a large size; sure heading.....	.20	.35	2.00
Excelsior Late Flat Dutch. An improved strain of Late Flat Dutch..	.20	.35	2.00
Premium Flat Dutch. Large, remarkably hardy; a standard fall and winter sort.....	.20	.35	2.00
Surehead. A favorite main crop variety. Forms solid, firm heads of good size.....	.20	.35	2.00
Filderkraut. Good either for first or second crop; pointed heads....	.20	.35	2.00
Holland. Deep, solid heads of medium size, and fine white color; remarkable keeper.....	.30	.50	3.00
Large Late Flat Dutch. Low growing variety, with large, round, solid heads.....	.20	.35	2.00
Large Late Drumhead. For fall or winter. An excellent keeper....	.20	.35	2.00
Louisville Drumhead. Splendid market gardeners' variety; stands heat well.....	.20	.35	2.00

We invite your attention to our list of novelties.

THE Charleston Wakefield



EARLY DWARF FLAT DUTCH CABBAGE.



The original Jersey Wakefield



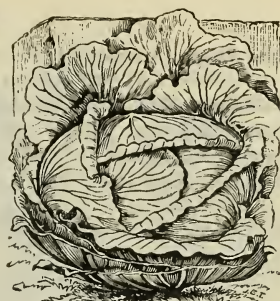
EARLY WINNINGSTADT CABBAGE.



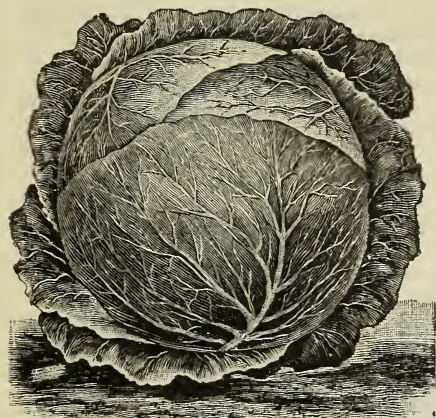
BURPEE'S
"ALL HEAD EARLY"
CABBAGE



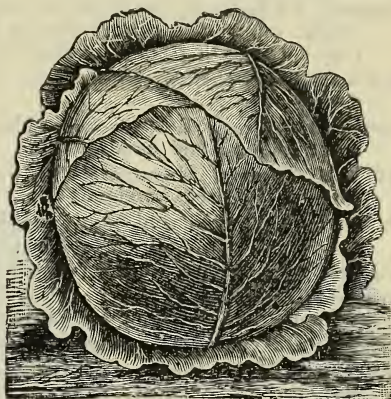
FOTTLER'S EARLY BRUNSWICK CABBAGE.



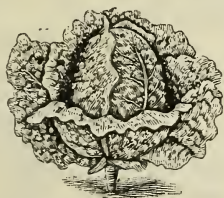
PREMIUM FLAT DUTCH CABBAGE.



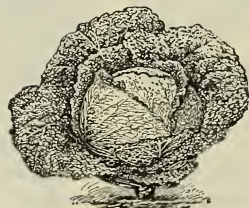
ALL SEASONS CABBAGE.



SURE HEAD CABBAGE.



GREEN CURLED SAVOY CABBAGE.



DRUMHEAD SAVOY CABBAGE.



MAMMOTH ROCK RED CABBAGE.



EARLY SNOWBALL CAULIFLOWER.

CABBAGE—Continued.

	OZ.	2 OZ.	LB.
Stone Mason Drumhead. Exceedingly hardy; profitable variety for market purposes .....	.20	.35	\$2.00
Marblehead Mammoth Drumhead. The largest cabbage known.....	.20	.35	2.00
Drumhead Savoy. Large size; head nearly round; color dark green..	.20	.35	2.00
Green Curled Savoy. Loose heads; hardy; second early.....	.20	.35	2.00
Mammoth Rock Red. The best red cabbage; sure heading; deep red color .....	.20	.35	2.00
Red Dutch. Hard solid heads of intense blood red color.....	.15	.25	1.50

CARROT.

Per packet, any variety, 5c.

Early Scarlet Horn. Best for early planting out of doors.....	.10	.15	.60
Chantenay. Medium early; half long, stump-rooted, fine grained....	.10	.15	.60
Rubicon. Of uniform shape, earlier than Danvers, about the same length, but heavier and thicker at the shoulders, very productive; deep red orange color and of unexcelled quality.....	.10	.15	.75
Half Long Scarlet Nantes. Roots smooth, bright orange, of finest quality .....	.10	.15	.60
Danver's Half Long. Best for field culture. Roots large, dark colored; uniform and handsome.....	.10	.15	.60
Half Long Carentan. Unsurpassed for fine quality and perfect shape; smooth, flesh red, coreless.....	.10	.15	.60
Ox Heart. Very thick and blunt; grows rapidly; flesh deep orange color .....	.10	.15	.60
Improved Long Orange. Long pointed roots; requires deep soil....	.10	.15	.50
Improved Large White Belgian. Root pure white; green above ground; used for stock feeding.....	.10	.15	.50
Victoria. Heavy cropper; orange yellow color; fine for feeding....	.10	.15	.60
Mastodon. Short, thick; roots white; heavy cropper; for stock feeding .....	.10	.15	.60

CAULIFLOWER.

PKT. ¼ OZ. OZ. LB.

Early Snowball. Early; reliable as a sure header; compact grower..	.25	.75	2.50	40.00
Selected Early Dwarf Erfurt. Extra early, of dwarf habit, compact growth .....	.25	.75	2.50	30.00
LeNormand's Short Stem. One of the best; hardy, semi-dwarf.....	.10	.25	.75	10.00

CELERY.

Per packet, any variety, 5c.

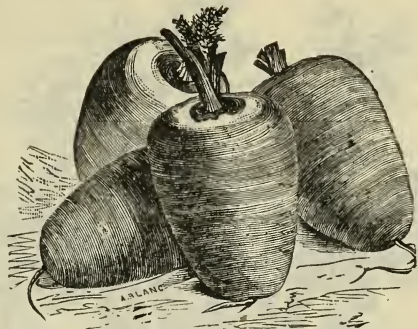
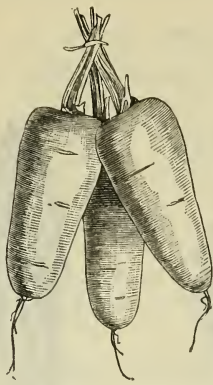
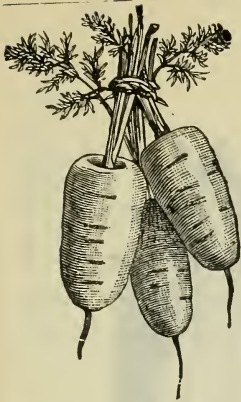
	OZ.	2 OZ.	LB.
Giant Pascal. Thick, solid, crisp stalks; a fine keeper and shipper....	.20	.35	2.00
Golden Self-Blanching. Of compact growth; rich golden yellow color; blanches readily.....	.30	.50	3.00
White Plume. Requires but little earthing up to blanch; naturally white or light foliage. Valuable for market.....	.25	.40	2.50
New Rose. The best red variety; of fine flavor; splendid for late use..	.20	.35	2.00
Golden Heart. Of sturdy dwarf habit; solid and an excellent keeper..	.20	.35	2.00
Crawford's Half Dwarf. Vigorous grower; yellowish white when blanched .....	.20	.35	2.00
Golden Dwarf. Very showy; solid, of fine flavor; rich yellow or golden color .....	.20	.35	2.00
Boston Market. Medium sized, hardy, of fine flavor. Stalks numerous, very solid.....	.20	.35	2.00
Soup or Flavoring Celery. Used for flavoring pickles, sauces, etc..	.05		.40

CELERIAC.

Per packet, 5c.

Large Smooth Prague. Roots large, smooth, almost round.....	.15	.25	1.50
Turnip Rooted. Turnip shaped roots, with more side roots than above sort .....	.15	.25	1.50

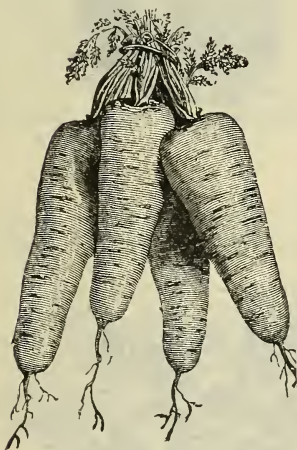
The wise planter considers more than the price in buying seeds.



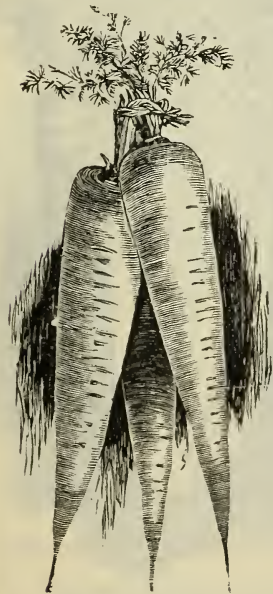
EARLY SCARLET HORN CARROT.

CHANTENAY CARROT.

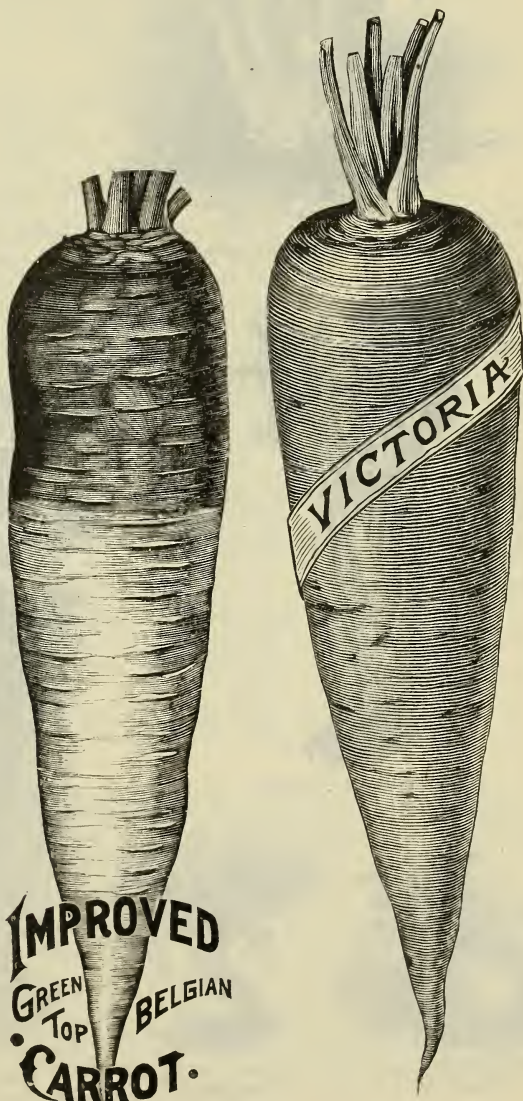
OX HEART CARROT.



DANVER'S HALF LONG CARROT.



IMPROVED LONG ORANGE CARROT.



IMPROVED GREEN TOP BELGIAN CARROT.

VICTORIA



GIANT PASCAL CELERY.



BOSTON MARKET CELERY.



GOLDEN HEART CELERY.



GOLDEN SELF-BLANCHING CELERY.



LARGE SMOOTH PRAGUE CELERIAC.



TURNIP ROOTED CELERIAC.

CORN—Early Varieties. $\frac{1}{2}$ pks. supplied at bushel rates.

	Per packet, any variety. 5c.	QT.	2 QTS.	BU.
Cory. A very early variety; red cob; large grain.....		.15	.25	\$2.00
White Cory. Is early and of same size as Cory, but has white cob....		.15	.25	2.50
Early Minnesota. Plant semi-dwarf. An excellent market variety, a little later than the preceding.....		.15	.25	2.00
Shaker's Early. Large well filled ears; kernels pearly white, fine flavor .....		.15	.25	2.00
Perry's Hybrid. Very popular; medium height; large ears.....		.15	.25	2.00
Crosby's Early. Ears of good size, twelve rowed; an excellent variety .....		.15	.25	2.00

INTERMEDIATE AND MAIN CROP SORTS.

Moorz's Early Concord. Large, handsome, fourteen rowed ears.....	.15	.25	2.00
Tilton's Twelve Rowed. The best variety for main crop; very pro- ductive. Ears of good size, twelve rowed, medium length, well filled; grain sweet and rich.....	.20	.30	3.00
Hickox Hybrid. Valuable for market; very prolific, ears twelve rowed, with white cob and grain. Excellent for canning.....	.15	.25	2.00
Early Mammoth. Resembles the Mammoth, but ripens two weeks earlier .....	.15	.25	2.00

LATE VARIETIES.

Country Gentleman. Handsome and attractive; of delicious quality..	.15	.25	2.50
Stowell's Evergreen. Remains green a long time; hardy, productive, tender and sugary.....	.15	.25	2.00
Zigzag Evergreen. An excellent variety. Kernels set irregularly on the cob.....	.15	.25	2.00
Egyptian. Remarkably large ears; sweet and tender.....	.15	.25	2.00
Mammoth. Produces the largest ears of any sort. Quality excellent	.15	.25	2.00
Black Mexican. Of fine quality; ripe grain is bluish-black.....	.15	.25	2.00

FIELD CORN.

Rideout or Mercer. A large eared flint variety, maturing in seventy- five days .....	.10	.15	1.25
Minnesota White. An eight to ten rowed white flint corn. Matures early .....	.10	.15	1.25
Longfellow Eight rowed, long, well filled ears; yellow flint.....	.10	.15	1.25
Minnesota King. An early, yellow, half dent; sure cropper and abundant yielder.....	.10	.15	1.25
Pride of the North. Early dent variety; matures in ninety days; deep kernels and small cob.....	.10	.15	1.25
Improved Learning. A yellow dent variety; ripens in from 90 to 110 days from planting. Ears large and handsome; deep, large grain. A strong grower.....	.10	.15	1.25

ENSILAGE CORN.

Red Cob. The best for ensilage or fodder purposes. An immense
yielder. Price given upon
application.
Sow broadcast, or in drills three to four feet apart, at the rate of
three-fourths to two bushels per acre.

POP CORN.

	PER EAR.	PER DOZ. EARS.
Rice. Has no superior as a parching corn. Kernels, long, pointed, white .....	.03	0.25
Queen's Golden. Large ears; kernels large, rich golden yellow.....	.03	.25

We pay postage on all Flower and Vegetable Seeds in packets, ounces, and two ounces.



CORY CORN.



EARLY MINNESOTA CORN.



CROSBY'S EARLY CORN.



MOORE'S EARLY CONCORD CORN.



TILTON'S TWELVE ROWED CORN.



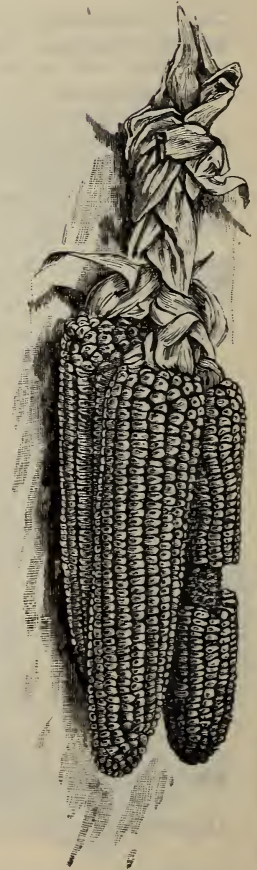
STOWELL'S EVERGREEN CORN.



MAMMOTH SWEET CORN.



QUEEN'S GOLDEN POP CORN.



PRIDE OF THE NORTH FIELD CORN.

CORN SALAD OR FETTICUS.

Per packet, 5c. OZ. 2 OZ. LB.

Large Seeded. Large leaved; the best variety..... .10 .15 \$0.60

CRESS.

Per packet, 5c.

Early Curled or Pepper Grass. Used as a salad; very warm and pungent10 .15 .40
True Water. A delicious salad; only thrives when its roots and stems are submerged in water..... .30 50 3.00

CUCUMBER.

Per packet, any variety, 5c.

Improved White Spine. The best market sort; very productive; largely used for pickles..... .10 .15 .60
Evergreen White Spine. Of great value; early and prolific; retains its fine deep green color during all stages of growth..... .10 .15 .60
Extra Long White Spine. Ten to twelve inches long; very straight; fine for pickles..... .10 .15 .50
Chicago Pickling. Very popular and undoubtedly the best for pickles10 .15 .60
Early Russian. Earliest and hardest; small oval, covered with fine spines10 .15 .50
Jersey Pickling. One of the best for pickles; uniform in size..... .10 .15 .50
Boston Pickling or Green Prolific. Fruit short, bright green; very productive10 .15 .50
Improved Long Green. Fruit long; when young one of the best for pickles, and when ripe is the best for sweet pickles..... .10 .15 .60
Gherkin or Burr. A very small, oval shaped prickly variety, distinct from all others; exclusively for pickling..... .10 .15 1.00

EGG PLANT.

Per packet, 5c.

New York Improved Purple. The leading market variety; large, round, dark purple, thornless; most productive of any..... .40 .75 4.00

ENDIVE.

Per packet, any variety, 5c.

White Curled. The most beautiful and attractive; leaves almost white15 .25 1.50
Green Curled. Hardy; beautiful curled dark green leaves; blanches white15 .25 1.50
Broad Leaved Batavian. Has broad, thick, plain leaves, which form a large head..... .15 .25 1.50

KALE.

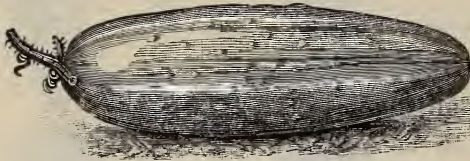
Per packet, any variety, 5c.

Dwarf Curled German. The leading market variety. For fall sowing. .10 .15 .60
Extra Curled German Dwarf Green. Plant dwarf and compact. Leaves long, of deep green color..... .10 .15 .75
Tall Green Curled Scotch. About two feet high. Leaves dark green, curled and wrinkled..... .10 .15 .75

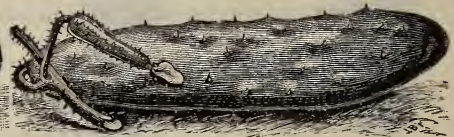
To buy seeds at the **LOWEST PRICES** is **unwise.** Too low prices are not consistent with goods of highest quality.



CORN SALAD.



JERSEY PICKLING CUCUMBER.



IMPROVED LONG GREEN CUCUMBER.



NEW YORK IMPROVED PURPLE EGG PLANT.



EARLY CURLED CRESS.



GHERKIN OR BURR CUCUMBER.



TRUE WATER CRESS.



WHITE CURLED ENDIVE.



GREEN CURLED ENDIVE.



BROAD LEAVED BATAVIAN ENDIVE.

KOHL RABI.

Per packet, any variety, 5c.

	OZ.	2 OZ.	LB.
Early White Vienna. Very early; small white bulb.....	.20	.35	\$2.00
Early Purple Vienna. Bright purple, with leaf stems tinted with purple .....	.20	.35	2.00
Large Green. Hardy, late; used for feeding stock; very large bulb... ..	.20	.35	2.00

LEEK.

Per packet, 5c.

Large Flag. Hardy and of good quality. Used more than any other kind .....	.20	.35	1.75
Musselburgh. Grows to a very large size with broad leaves; hardy... ..	.20	.35	1.75

LETTUCE.

Per packet, any variety, 5c.

Golden Beauty. The best lettuce for forcing, as its heavy weight makes it a profitable kind, while its enormous heads and long standing qualities make it one of the best for out door culture... ..	.25	.40	2.50
Tilton's White Star. An enormous yielder; a superior sort for forcing or planting out of doors.....	.15	.25	1.50
Grand Rapids. Fair sized, loose heads; leaves crimped and frilled; fine for forcing.....	.15	.25	1.50
Black Seeded Simpson. Large loose heads of yellowish light green color .....	.10	.15	1.25
Denver Market. Early head lettuce with blistered or savoyed leaves. ....	.10	.15	1.25
Deacon. Large solid heads of light color; excellent for summer.....	.15	.25	1.50
Big Boston. Very large heads; for forcing or out doors.....	.15	.25	1.50
California Cream Butter. Very solid heads; medium early, of good size .....	.15	.25	1.50
Blond Blockhead. Bright golden color and attractive form.....	.10	.15	1.25
Frankfort Head. The best light colored, smooth, thick-leaved head lettuce .....	.15	.25	1.50
Frankfort Head, Black Seeded. Similar to above in growth, but with darker green leaves.....	.10	.15	1.25
Improved Hanson. Of remarkable size; very solid.....	.10	.15	1.25
Salamander. Good sized, compact heads, which resist summer heat. ....	.10	.15	1.25
Prize Head. A brown-leaved variety; slow to run to seed.....	.10	.15	1.25
Trianon, Self-Closing Cos. The best of the Cos sorts; upright, crisp and tender.....	.15	.25	1.50
Balloon Cos. Very large; for late sowing.....	.15	.25	1.50

MUSK MELON.

Per packet, any variety, 5c.

Extra Early Green Citron. Very early and productive; flesh light green .....	.10	.15	.75
Emerald Gem. Extra early; very sweet; flesh salmon color.....	.10	.15	.75
Jersey Belle. Extra early, heavily netted; flesh deep green.....	.10	.15	.75
Extra Early Hackensack. Ripens ten days earlier than Hackensack .....	.10	.15	.60
Hackensack or Turk's Cap. Large, round; one of the best market melons .....	.10	.15	.60
Improved Orange Christiana. Early; medium sized, round; color dark green; flesh orange.....	.10	.15	.75
Pine Apple. Medium sized; flesh green, very thick; sweet.....	.10	.15	.75
Princess. Round, early; heavily netted dark green skin; salmon colored flesh .....	.10	.15	.75
Osage. A favorite sort; large, oval, dark green; flesh deep salmon; very sweet .....	.10	.15	.60
Delmonico. Oval, large, finely netted; orange pink flesh.....	.10	.15	.75
Improved Large Green Nutmeg. Very large; excellent for late.....	.10	.15	.75
Montreal Nutmeg. Very large, late; best to grow for exhibition....	.10	.15	.60
Banana. Long Banana-like fruit; skin creamy white; flesh deep salmon .....	.10	.15	1.00

Our prices have been carefully adjusted and are in conformity with existing values.



DWARF CURLED GERMAN KALE.



EXTRA CURLED GERMAN DWARF GREEN KALE.



LARGE FLAG LEEK.



EARLY WHITE VIENNA KOHL RABI.



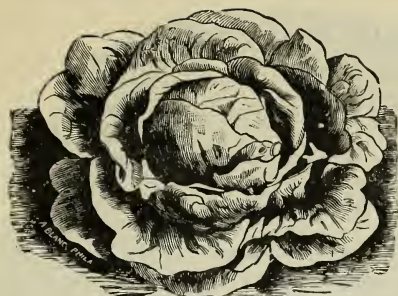
TALL GREEN CURLED SCOTCH KALE.

TILTONS WHITE STAR



BLACK SEEDED SIMPSON LETTUCE.





FRANKFORT HEAD LETTUCE.



IMPROVED HANSON LETTUCE.



EMERALD GEM MUSK MELON.



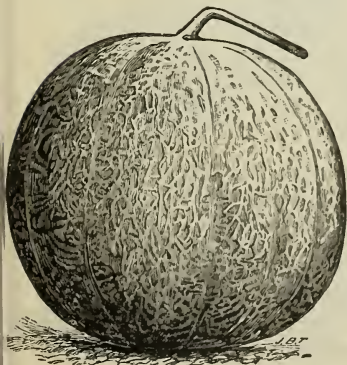
HACKENSACK, OR TURK'S CAP MUSK MELON.



IMPROVED LARGE GREEN NUTMEG MELON.



DELMONICO MUSK MELON.



MONTREAL NUTMEG MELON.



PINE APPLE MUSK MELON.



BANANA-MELON.

WATER MELON.

	OZ.	2 OZ.	LB.
Per packet, any variety, 5c.			
Phinney's Early. Fruit large; oval; productive; early; flesh red, sweet .....	.10	.15	\$0.50
Ice Cream. Medium size; light colored skin; seeds white; a leading variety .....	.10	.15	.60
Sweet Heart. Very large, heavy, bright green; flesh red, of fine quality .....	.10	.15	.60
Mountain Sweet. Large, oblong, dark green; flesh red, very sweet..	.10	.15	.50
Boss. Medium early, small size, very productive, a good shipper....	.10	.15	.50
Black Spanish. Large size, nearly round; skin very dark green.....	.10	.15	.50
Mammoth Iron Clad. Long, very large, late; good shipper.....	.10	.15	.60
Kentucky Wonder. Dark green; flesh scarlet, very rich and sugary...	.10	.15	.60
Citron, (for preserving.) Perfectly round; mottled skin; red seed..	.10	.15	.75
Citron, (for preserving.) Green seed.....	.10	.15	.75

MUSHROOM SPAWN.

English, in bricks, per lb. 15c., 10lbs. \$1.00, 100 lbs. \$8.00.

Mushroom Culture. An extract from Henderson's Handbook of Plants, on the culture of Mushrooms; sent free on receipt of 10 cents.

MUSTARD.

Per packet, 5c.

White English. Leaves light green, mild and tender; seed light yellow .....	.05		.25
Brown or Black. Stronger and more pungent than the white.....	.05		.25

OKRA OR GOMBO.

Per packet, 5c.

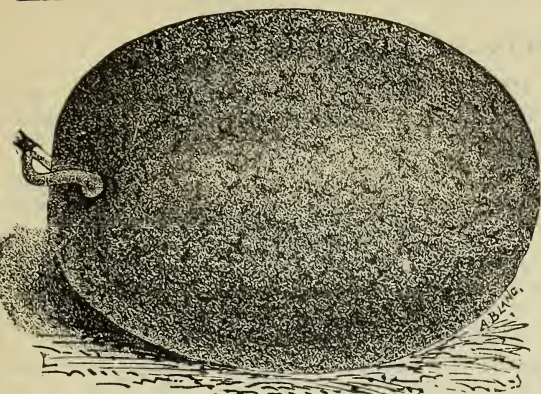
Improved Dwarf Green. A distinct early variety; pods short but numerous10	.15	.60
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ONION.

Per packet, any variety, 5c.

Yellow Globe Danvers. The standard variety everywhere; of true globe shape and handsome appearance; keeps well.....	.10	.15	.75
Extra Selected Yellow Globe Danvers. The finest strain in cultivation. Superior to ordinary strains of Yellow Globe Danvers in earliness, shape and uniformity of size and color. Grown from selected hand-picked bulbs; none but those perfect in size and shape being set for seed. Perfect globe shape with very small neck; entirely distinct from the old type of Yellow Globe Danvers .....	.15	.25	1.25
Large Red Wethersfield. The best red onion; of large size and splendid form.....	.10	.15	1.00
Early White Queen. Of remarkably quick growth; a good keeper; valuable for pickles.....	.15	.25	1.50
Extra Early Barletta. Earliest of all; small, white; valuable for pickling .....	.15	.25	1.50
Round White Silverskin. Small, round, white, compact and hard....	.15	.25	1.50
White Globe. Globe shaped, firm, fine grained; abundant yielder....	.20	.30	1.75
White Portugal. Silvery white skin; handsome. For sets or for pickling .....	.20	.30	2.00
Mammoth Silver King. Silvery white, Italian variety; somewhat flat..	.20	.30	2.00
Prizetaker. The largest and handsomest yellow onion; very mild....	.15	.25	1.75

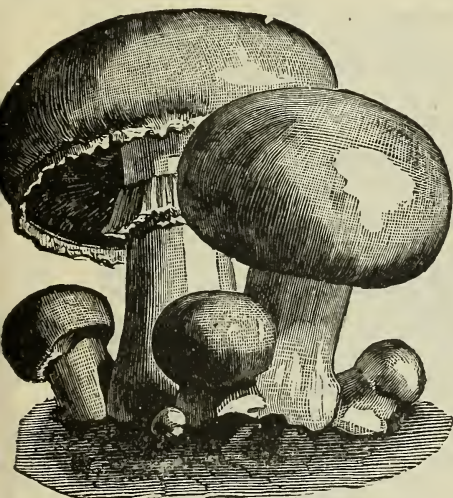
We test the percentage of growth of the seeds we sell, and send out nothing whose growth is not satisfactory.



ICE CREAM WATER MELON.



BLACK SPANISH WATER MELON.



MUSHROOMS.



CITRON PRESERVING MELON.



OKRA.



PRIZETAKER ONION.



No. 1 Extra Early Red; No. 2 Large Red Wethersfield; No. 3 Yellow Globe Danvers; No. 4 White Portugal; No. 5, White Silver-skin; No. 6, White Globe.

ONION—Continued.

ONION SETS.		QT.	2 QTS.	BU.
Egyptian or Perennial Tree Onions. Perfectly hardy; productive.....	.10	.15	\$1.00	
Yellow Bottom Sets. Make splendid green onions early in spring....	.20	.30	3.00	
White Bottom Sets. Produce handsome white onions early in the season .....	.25	.40	4.00	
Top or Button Onions. The sets produce a large onion; ripen early...	.25	.40	4.00	
Potato Onions. Large size, mild and pleasant; very early and productive .....	.15	.25	3.00	

Above are approximate prices per bushel, subject to variations of the market and our ability to procure stock. The price per quart will hold good through the season, or as long as our stock lasts.

PARSLEY.

PARSLEY.		OZ.	2 OZ.	LB.
Per packet, any variety, 5c.				
Plain Leaved. The hardiest variety; leaves plain or single.....	.10	.15	.75	
Double Curled. Dwarf and finely curled; desirable for garnishing....	.10	.15	.75	
Moss Curled. Compact growing, finely curled, handsome and attractive .....	.10	.15	.75	
Long Rooted, or Hamburg. Forms a root much like a parsnip.....	.10	.15	.75	

PARSNIP.

PARSNIP.		OZ.	2 OZ.	LB.
Per packet, 5c.				
Sugar or Hollow Crown. Considered the best parsnip for general cultivation. Smooth, tender and sugary.....	.10	.15	.50	

PEAS.

$\frac{1}{2}$ pks. supplied at bushel rates.

Per packet (two ounces), any variety, 5c.

EXTRA EARLY SORTS.

EXTRA EARLY SORTS.		QT.	2 QTS.	BU.
Maud S. Earlier and more productive than any other.....	.20	.35	3.50	
First and Best. Stocky, vigorous and exceedingly productive.....	.20	.35	3.50	
Rural New Yorker. Very early, robust, prolific; ripens uniformly. . .	.20	.35	3.50	
Alaska. Very early blue pea; uniform in growth.....	.20	.35	3.50	
Landreth's Extra Early. An excellent and well-known variety... ..	.20	.35	3.50	
Hancock. Extra early, productive, vigorous; a favorite sort.....	.20	.35	3.50	

SECOND EARLY VARIETIES.

McLean's Little Gem. Dwarf, green wrinkled; early; 16 inches high..	.20	.35	4.00	
Premium Gem. Early, green wrinkled, one foot high; prolific.....	.20	.35	4.00	
American Wonder. About nine inches high; finest quality.....	.20	.35	4.00	
Nott's Excelsior. A new variety; extra early, wrinkled; dwarf.....	.25	.40	5.00	
Horsford's Market Garden. Two feet high; a grand wrinkled variety..	.20	.35	3.50	
Heroine. Long, handsome, well-filled pods; $2\frac{1}{2}$ ft. high; productive..	.25	.40	5.00	
Dwarf Champion. A dwarf Champion of England; large pods.....	.25	.40	4.50	
McLean's Advancer. A standard sort; immense yielder.....	.20	.35	3.50	
Fillbasket. One of the best; popular with market gardeners; heavy cropper. $3\frac{1}{2}$ feet high.....	.25	.40	4.50	
Shropshire Hero. Very productive; large, handsome, well filled pods; height $2\frac{1}{2}$ feet.....	.25	.40	4.50	
Yorkshire Hero. A stout branching variety; two feet high.....	.20	.35	3.50	
Paragon. Height of vine 3 feet; seeds green, wrinkled; heavy cropper .....	.25	.40	5.00	
Telephone. Immensely productive; large pods; finest quality; 4 ft. high .....	.25	.40	5.00	

LATE SORTS.

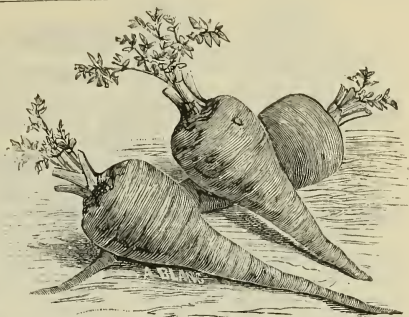
Champion of England. Finest quality of any pea in cultivation.....	.20	.30	3.00	
Improved Stratagem. Vines medium height; immense pods; fine quality .....	.25	.40	5.00	
Sharpe's Queen. Pods very large and handsome; an excellent main crop sort.....	.25	.40	5.00	
Pride of the Market. Very large pods; green peas; $1\frac{1}{2}$ to 2 ft. high...	.25	.40	5.00	
Large White Marrowfat. Cultivated extensively for summer crop Five feet high.....	.15	.25	1.75	
Large Black Eyed Marrowfat. Similar to White Marrowfat. Hardy and prolific .....	.15	.25	2.00	

We furnish all ordinary varieties of vegetable seeds in 5 cent packets.



DOUBLE CURLED PARSLEY.

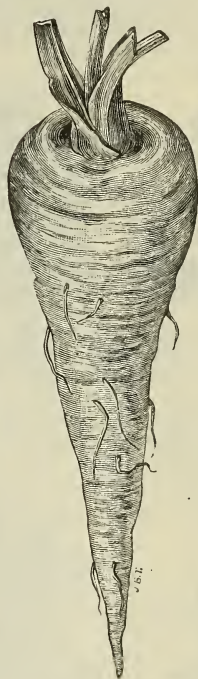
$\frac{1}{5}$



LONG ROOTED, OR HAMBURG PARSLEY.



MAUD S. PEAS.



SUGAR, OR HOLLOW CROWN PARSNIP.



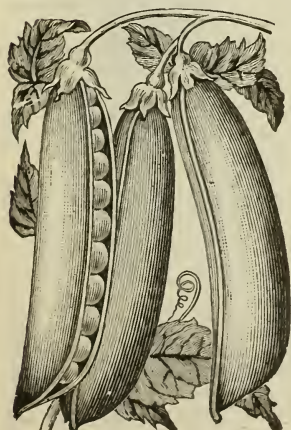
LARGE BELL, OR BULL NOSE PEPPER.



LONG RED CAYENNE PEPPER.



SMALL CHILI RED PEPPER.



SHARPE'S QUEEN PEAS.



RUBY KING PEPPER.

PEAS—Continued.

EDIBLE PODDED SORTS.

	QT.	2 QTS.	BU.
Melting Sugar. Pods large, straight, tender and fine flavored.....	.30	.50	\$6.00
Field Peas. See miscellaneous Farm Seeds, page 32.			

PEPPER.

Per packet, any variety, 5c.

	OZ.	2 OZ.	LB.
Sweet Spanish, Large, early, sweet, mild; well suited to use as a stuffed pickle .....	.25	.40	2.50
Sweet Mountain. The best for pickling; large, early, of mild flavor..	.25	.40	2.50
Ruby King. Largest size, handsome shape, bright colored.....	.25	.40	2.50
Large Bell or Bull Nose. A very large early sort; flesh thick and mild	.25	.40	2.50
Large Squash. Tomato shaped; generally grown for pickling.....	.25	.40	2.50
Monstrous. Peppers six to eight inches long; very sweet flavor....	.25	.40	2.50
Long Red Cayenne. Long, slim, pointed; when ripe bright red; extremely strong and pungent.....	.25	.40	2.50
Small Chili Red. Very small, bright red; used for seasoning and pepper-sauce .....	.25	.40	2.50

POTATOES.

Our seed potatoes are Northern grown. They are grown for us from genuine stock in Northern New York, especially for seed. The soil is gravelly loam, and lies high and rolling, and contains all the elements necessary to produce potatoes in perfection. The advantages from such seed are, early maturity, increased yield, vigorous growth, with vitality to resist disease.

Beware of small barrels. Some dealers send out small sized barrels containing hardly two and one-half bushels. Our barrels are large size, well shook and headed, and contain about 170 lbs. potatoes. *No charge for Barrels or Cartage.*

	PK.	BU.	BBL.
Early Sunrise. Early, productive; flesh white and fine grained.....	.40	1.25	2.75
Early Puritan. White skin and flesh; shallow eyes; very productive..	.40	1.25	3.00
Early Ohio. Tubers round or oblong; of vigorous growth and excellent quality .....	.40	1.25	3.25
Early Rose. The most popular early potato; of fine quality.....	.40	1.25	2.75
Beauty of Hebron. Resembles the Early Rose; early and of fine quality	.40	1.25	3.00
State of Maine. Mid-season, large, white and of good quality; heavy yielder .....	.40	1.25	3.00
Sir William. Medium late, good size, white; a heavy cropper and recommended as one of the best drouth-resisting potatoes now grown .....	.50	1.50	3.50
Carman No. 1. A distinct variety; second early; uniform size, immense yielder .....	.40	1.25	3.25
Carman No. 3. One of the best late varieties ever introduced; an immense yielder; large handsome tubers; oblong, slightly flattened, white.....	.50	1.50	3.50
Improved Green Mountain. Free yielder; tubers large, smooth, white; a good keeper.....	.40	1.25	2.75

At the above prices, express and freight charges are to be paid by the purchaser. As the price of potatoes is governed by the market, the above quotations are but nominal, but are believed to be about the prices that will rule in the spring.

Cut your Seed Potatoes with the Concave and Curved Seed Potato Knife illustrated and described in List of Imple^{ments}.

PUMPKIN.

Per packet, any variety, 5c.

	OZ.	2 OZ.	LB.
Calhoun. Excels all others in quality as a pumpkin for pies.....	.10	.15	.75
Connecticut Field. Very productive, large, yellow; grown for stock feeding .....	.05		.25
Large Cheese. Fruit large, flat, deeply ribbed; hardy, productive....	.10	.15	.50

RADISH.

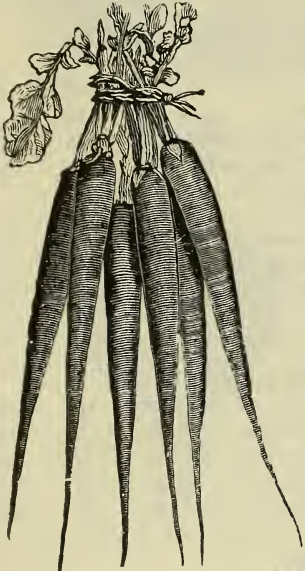
Per packet, any variety, 5c.

	OZ.	2 OZ.	LB.
Glass. The most valuable sort for forcing; half long; rose pink.....	.10	.15	.75
Early Scarlet Prussian Globe. Root round; for forcing; carmine.....	.10	.15	.75
Early Scarlet Turnip Rooted. Quick growth; small top; early.....	.10	.15	.50
Early Round Deep Scarlet. Similar to above sort, but of darker color.	.10	.15	.50

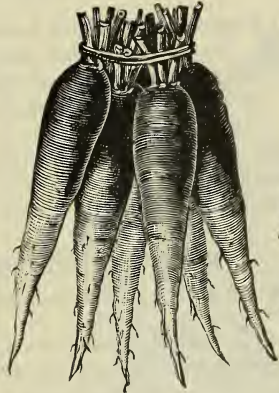
Our Seeds are fresh and of the right kind. "Commission" or "Box" seeds at local stores are of doubtful age, kind and quality.



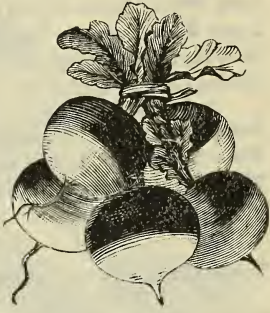
CONNECTICUT FIELD PUMPKIN.



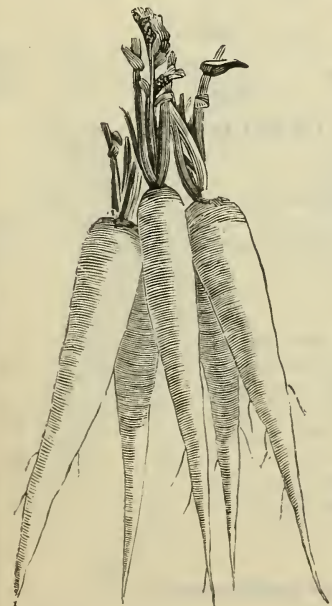
EARLY LONG SCARLET RADISH.



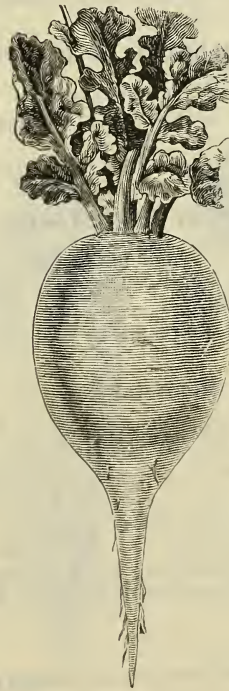
GLASS RADISH.



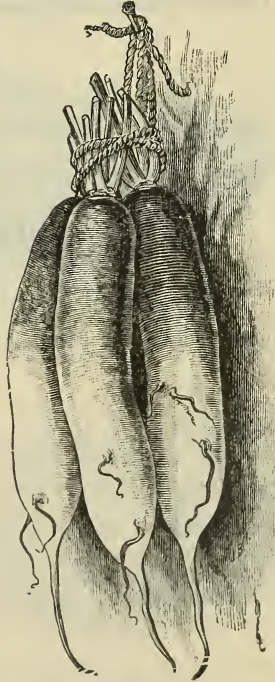
EARLY SCARLET WHITE TIPPED TURNIP RADISH.



LONG WHITE VIENNA RADISH.



BURPEE'S 'SURPRISE' RADISH.



IMPROVED CHARTIFF RADISH.

RADISH—Continued.

	OZ.	2 OZ.	LB.
Early Scarlet Turnip, White Tipped. Beautiful; deep scarlet with white tip .....	.10	.15	\$0.50
Early Scarlet Turnip, White Tipped, Forcing. A forcing strain of above variety .....	.10	.15	.60
Early White Turnip Rooted. Pure white; small top.....	.10	.15	.50
Wonderful Half Long Red. Bright scarlet color; rapid grower.....	.10	.15	.75
Long Brightest Scarlet. Outsell all others; scarlet tipped white.....	.10	.15	.60
Wood's Early Frame. Long red, small top; for forcing.....	.10	.15	.50
Early Long Scarlet, Short Top. Very long, straight and smooth.....	.10	.15	.50
French Breakfast. Medium sized; olive shaped, scarlet, with white tip .....	.10	.15	.50

SUMMER VARIETIES.

Chartier. Best for early outdoor sowing; roots large; rose shading to white .....	.10	.15	.60
Long White Vienna or Lady Finger. Long white; beautiful.....	.10	.15	.60
Large White Summer Turnip. Early; root round, smooth, handsome ..	.10	.15	.60
Gray Summer Turnip. Globe shaped; gray colored skin; flesh white..	.10	.15	.60
Golden Globe. Quick growth; produces tender radishes in the hottest climates .....	.10	.15	.50
Burpee's Surprise. Of early, quick growth; thin, light brown skin..	.10	.15	.75
White Strasburg. Large summer sort; roots five or six inches long..	.10	.15	.60
White Giant Stuttgart. Large top shaped roots; flesh white and crisp..	.10	.15	.60

WINTER VARIETIES.

Scarlet China. Form cylindrical, or large at the bottom; skin smooth and of bright rose color.....	.10	.15	.60
Round Black Spanish. Roots round or top shaped; flesh white.....	.10	.15	.60
Long Black Spanish. Best for winter; roots oblong, black; very large ..	.10	.15	.50
Long White Spanish. Long, thick roots; flesh white, solid.....	.10	.15	.50
California Mammoth White. Very large white winter variety.....	.10	.15	.60

RHUBARB or PIE PLANT.

Per packet, 5c.

Linnaeus. The earliest variety grown; stalks medium size and numerous .....	.10	.15	1.00
Victoria. Stalks very tall and large. Very productive.....	.10	.15	1.00

SALSIFY or VEGETABLE OYSTER.

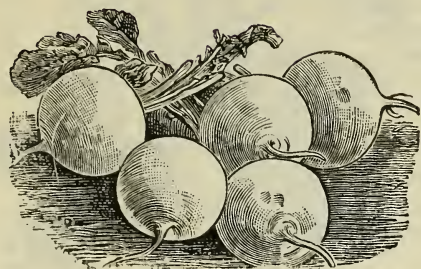
Per packet, 5c.

Mammoth Sandwich Island. An improved variety; of large size, uniform growth, superior quality.....	.10	.15	1.25
Long White. A favorite market variety; of good flavor, fine quality..	.10	.15	1.00

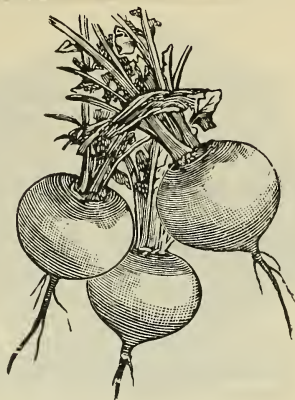
SPINACH.

Round Thick Leaved. Large, thick, fleshy leaves; a favorite variety. 5 lbs. 75c., 10lbs. \$1.25., 100 lbs. \$12.00.....	.05		.20
Savoy Leaved. Leaves numerous, curled and wrinkled; very hardy, 10 lbs. \$1.50.....	.05		.20
Long Standing. Stands a long time before going to seed; splendid for spring sowing. 10 lbs. \$1.50.....	.05		.20
Victoria. A new variety distinguished by the dark green color of its leaves and also for its long standing qualities, 10 lbs., \$1.50.....	.05		.20

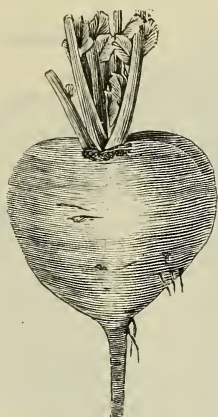
No order is too small to receive our prompt and careful attention.



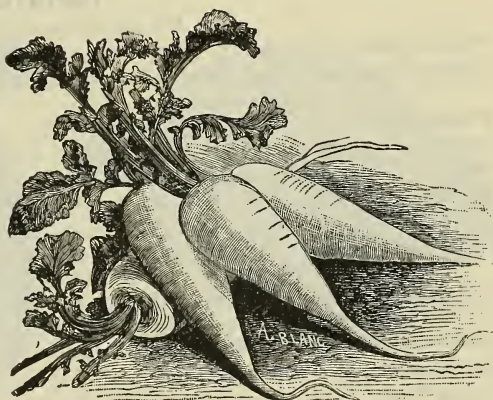
LARGE WHITE SUMMER TURNIP RADISH.



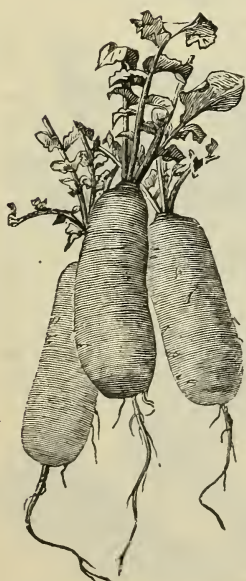
GOLDEN GLOBE RADISH.



WHITE GIANT STUTTGART RADISH.



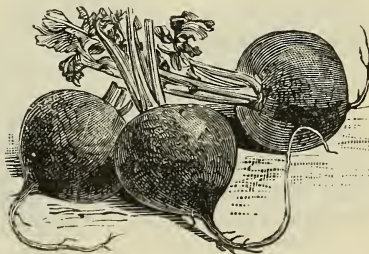
WHITE STRASBURG RADISH.



SCARLET CHINA RADISH.



SALSIFY.



ROUND BLACK SPANISH RADISH.



TILTON'S EXTRA LARGE GOLDEN BUSH SQUASH.

SQUASH.

	Per packet, any variety, 5c.		
	OZ.	2 OZ.	LB.
Tilton's Extra Large Golden Bush. Largest and best summer squash grown; scalloped; yellow.....	.10	.15	\$0.75
Giant Summer Crookneck. Early, extra large; very productive.....	.10	.15	.75
Early Orange Marrow. Two weeks earlier than Boston Marrow....	.10	.15	.50
Boston Marrow. Fall and winter variety; bright orange, flesh yellow and fine .....	.10	.15	.50
Improved Hubbard. Best winter squash known; fine grained and dry .....	.10	.15	.60

TOBACCO.

	Per packet, 5c.		
Connecticut Seed Leaf. Best variety for the Northern States.....	.25	.40	2.50
Havana. Pure Cuban grown seed.....	.40	.75	4.00

TOMATO.

	Per packet, any variety, 5c.		
Atlantic Prize. Extra Early. Fruit large, smooth, bright red.....	.25	.40	2.50
Dwarf Champion. Plant dwarf, compact, upright. Fruit resembles the Acme .....	.20	.35	2.00
Buckeye State. Very large, solid, productive; bright red.....	.25	.40	2.50
Stone. Large, smooth, solid, bright scarlet. Excellent shipper.....	.25	.40	2.50
Acme. Popular market sort. Purplish pink color; ripens evenly....	.20	.35	2.00
Matchless. Largest size, smooth, handsome; cardinal red; very solid .....	.25	.40	2.50
Livingston's Beauty. Large, smooth, regular form, purplish pink color; good yielder; a great favorite.....	.20	.35	2.00
Livingston's Perfection. Larger than Acme, early, round, deep red, heavy cropper .....	.20	.35	2.00
Livingston's Favorite. Fruit red, very firm; exceedingly smooth.....	.20	.35	2.00
Red Pear Shaped. Fruit bright red, pear shaped; used for preserves..	.20	.35	2.00
Yellow Plum. Plum shaped; deep yellow; much liked for preserves..	.20	.35	2.00

TURNIP.

	Per packet, any variety, 5c.		
Early Snowball. Medium sized, round, pure white; excellent for table use. Matures in six weeks from time of sowing.....	.10	.15	.50
Extra Early Purple Top Milan. The earliest of all; pure white with clear purple top; desirable for forcing.....	.10	.15	1.00
Early Purple Top, Strap Leaved. Medium sized, flat, small tops.....	.10	.15	.50
Early Purple Top Munich. White, with bright purple-red top; flat....	.10	.15	.50
Early White Flat Dutch. Quick growth; excellent quality.....	.10	.15	.50
Red Top White Globe. Globe shaped; of beautiful appearance; a fine market sort.....	.10	.15	.50
White Egg. Perfectly smooth, egg shaped, pure white.....	.10	.15	.50
Pomeranian White Globe. Very productive; grows to a large size....	.10	.15	.50
Large White Norfolk. Globular, white; extensively grown for stock feeding .....	.10	.15	.50
Large Amber Globe. Yellow with green top; good cropper; large..	.10	.15	.50
Orange Jelly or Golden Ball. Not large, but firm, hard and sweet.....	.10	.15	.50

SWEDES or RUTA BAGAS.

Prize Winner. Purple topped; large size, hardy, sure cropper.....	.10	.15	.40
Improved Purple Top Yellow. Hardy and productive.....	.10	.15	.40
Sweet Russian or White. Excellent for table or stock; flesh white....	.10	.15	.50

Our goods are sold upon their merits. We offer no premiums or special inducements.



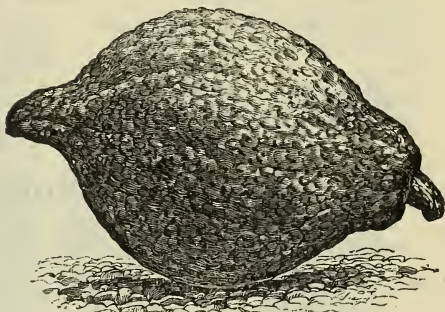
GIANT SUMMER CROOKNECK SQUASH.



BOSTON MARROW SQUASH.



LIVINGSTON'S BEAUTY TOMATO.



IMPROVED HUBBARD SQUASH.



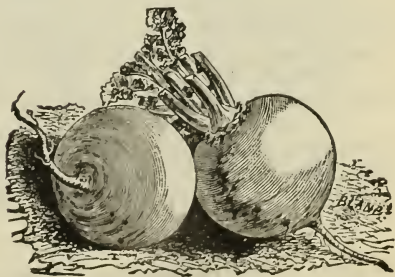
EXTRA EARLY PURPLE TOP MILAN TURNIP



ROUND THICK LEAVED SPINACH.



EARLY WHITE FLAT DUTCH TURNIP.



ORANGE JELLY, OR GOLDEN BALL TURNIP.

HERBS.

	Per packet, any variety, 5c.		OZ.	2 OZ.	LB.
Anise. Aromatic seeds.....			.10	.15	\$0.75
Borage. The leaves are used as a salad.....			.10	.15	1.25
Caraway. The seeds are used in confectionery, cakes, etc.....			.10	.15	.60
Coriander. Aromatic seeds which are used in confectionery, etc ..			.10	.15	.60
Dill. Sometimes used in pickles to heighten the flavor.....			.10	.15	.60
Saffron. Cultivated for its flowers.....			.10	.15	1.00
Sage, Broad Leaf. Used for flavoring and dressing.....			.15	.25	1.50
Sweet Basil. Seeds and stems used in soups and sauces.....			.15	.25	1.50
Sweet Fennel. Leaves and seeds used in flavoring, etc.....			.10	.15	1.00
Sweet Marjoram. Tops used for flavoring.....			.15	.25	1.50
Summer Savory. Dried leaves and stems used for flavoring.....			.10	.15	1.00
Thyme. Used for medicinal and culinary purposes.....			.30	.50	3.00

BIRD SEED, ETC.

	PER LB.		PER LB.
Mixed Canary, Rape and Millet.....	\$0.08	Sunflower Seed.....	\$0.10
Canary, Best Sicily.....	.08	Maw or Poppy Seed.....	.15
Hemp .....	.08	Lettuce Seed for Birds.....	.30
Rape .....	.08	Cuttle Fish Bone.....	.50
Millet .....	.08	Bird Gravel (best quality) per box...	.05

CLOVER SEEDS.

As prices on Clover and Grass seeds are almost daily varying, we do not give quotations, but will gladly quote prices and mail sample at any time, upon application.

Medium or Common Red. The most important of all varieties for the practical purposes of agriculture; sow in spring or fall.....	MARKET PRICE.
Mammoth Pea-Vine or Large Red. Grows tall, with coarse stalks; used almost exclusively for plowing under.....	"
Alsike or Swedish. Of fine, luxuriant growth; numerous globular heads; very sweet and fragrant.....	"
Scarlet or Crimson. An annual, with scarlet blossom, 2 inches long; sown late in summer, it furnishes an early green fodder the following season	"
Lucerne or Alfalfa. Has an immense penetrating root and when once established produces a profitable crop for from 5 to 12 years. Requires a deep rich soil.....	"
White Dutch. A small creeping, spreading perennial variety, valuable for pastures and lawns.....	Per lb. 30c.

GRASS SEEDS.

Timothy. The most valuable of all the grasses for hay.....	MARKET PRICE.
Orchard Grass. A valuable pasture grass; ripens with Red Clover..	"
Red Top. A valuable permanent grass as a mixture in meadows, pastures or lawns.....	"
Kentucky Blue Grass. Invaluable for pastures and lawns.....	"
Meadow Fescue or English Blue Grass. A highly valuable species for permanent grass land.....	"
Crested Dog's-Tail Grass. Excellent for sheep pasture; also valuable for lawns.....	"
Rhode Island Bent Grass. Valuable for lawns and pastures.....	"
Creeping Bent Grass. Valuable as a mixture with other pasture grasses	"

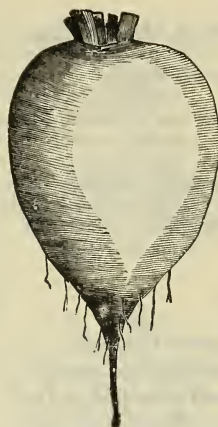
Our packets contain as liberal quantities as can be sold for the price.



EARLY PURPLE TOP
STRAP LEAVED TURNIP.



RED TOP, WHITE GLOBE TURNIP.



WHITE EGG TURNIP.



SWEET BASIL.



SAGE.



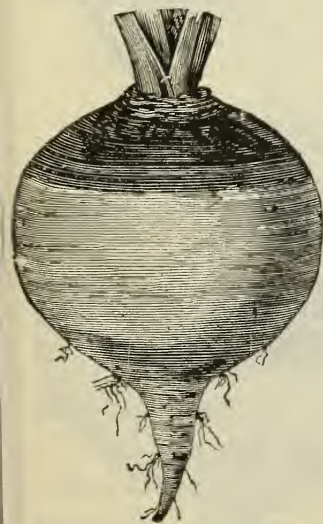
SWEET MARJORAM.



SUMMER
SAVORY.



THYME.



PRIZE WINNER RUTA BAGA.



SCARLET, OR CRIMSON CLOVER.

GRASS SEEDS—Continued.

- Wood Meadow Grass** The best variety for sowing in shaded situations; for hay or pasture, and for parks or pleasure grounds. . . . MARKET PRICE.
- Sweet Vernal.** Perennial variety. For use in pasture mixtures and for lawns; very fragrant. "
- German or Golden Millet.** An improved variety; closely condensed heads, numerous spikes; golden yellow seeds; grows 3 to 5 ft. high "
- Common Millet.** Grows two and a half to four feet high, with a fine bulk of stalks and leaves. "
- Hungarian Grass.** A species of millet, growing less rank, with smaller stalks "

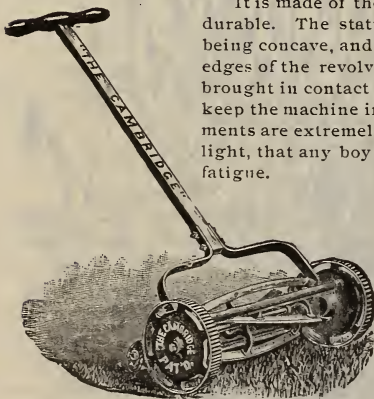
MISCELLANEOUS FARM SEEDS.

(Prices subject to market fluctuations.)

- Barley, Common.** Sow from two to two and one-half bushels per acre. Per bu. \$1.25.
- Buckwheat, Common.** Sow broadcast about the 20th of June. Per bu. \$1.20.
- Buckwheat, Silver Hull.** An improved variety, much better than the old sort. Per bu. \$1.50.
- Buckwheat, Japanese.** The grain is much larger and has a thinner hull than other varieties. Per bu. \$1.50.
- Flax, Russian.** The seed is larger and contains more oil than the Common Flax. Per bu. \$2.00.
- Hemp,** Sow broadcast, one-half bushel to the acre. Per bu. \$2.50.
- Sunflower, Large Russian.** Has larger heads and stalks and produces more seed than the common sort. Per lb. 10c., 100 lbs. \$5.00.
- Sugar Cane, Early Amber.** Culture same as for corn. Per lb. 10c., 100 lbs. \$5.00.
- Field Peas.** Sow broadcast or in drills, about three bushels per acre. Per bu. \$1.00.
- Vetches.** For spring or fall sowing. Grown mostly for a forage crop. Culture same as field peas; two bushels per acre. Per bu. \$3.25.
- Cow Peas.** Valuable as a fodder plant, sheep being very fond of them when in flower; their chief value, however, is as a green crop to plow under. Sow in May or June, one to one and one-half bu. to the acre and plow under as soon as they have attained their full growth. Per bu. \$1.50.

THE CAMBRIDGE LAWN MOWER.

The Lightest Running and Most Practical Self-Sharpening Lawn Mower on the Market. Every Machine Guaranteed.



It is made of the very best material, strong and durable. The stationary knife is of peculiar form, being concave, and by means of the adjustment the edges of the revolving knives and bottom knife are brought in contact in such a manner as to invariably keep the machine in excellent condition. The adjustments are extremely simple, and the mower runs so light, that any boy or girl can use it without much fatigue.

12-inch Cut, \$4.00. 14-inch Cut, \$4.50. 16-inch Cut, \$5.00.

The Cambridge High-Wheel Lawn Mower.

Built on same principal as the regular machine, with concave stationary knife, but is heavier throughout and has nine-inch driving wheels.

14-inch Cut, \$5.50. 16-inch Cut, \$6.25. 18-inch Cut, \$7.00.



RED CLOVER.



TIMOTHY.



WHITE CLOVER.



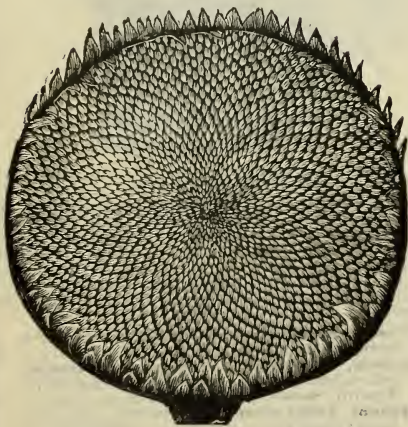
ORCHARD GRASS.



RED TOP.



KENTUCKY BLUE GRASS.



LARGE RUSSIAN SUNFLOWER.



VETCHES.

AMARANTHUS.

Well known annuals; very ornamental, of rapid growth and easy culture.

Amaranthus, Caudatus (Love-lies-bleeding), long, dark red; drooping flower spikes. .05

Amaranthus, Tricolor (Joseph's Coat.) Beautiful show plants for summer bedding, growing 2 to 3 feet high. Leaves red, yellow and green. .05

ANTIRRHINUM. Snapdragon.

The Antirrhinum is an old favorite border plant, with dark and glossy leaves, and large, curiously shaped flowers with finely marked throats. Blossoms the first season from seed sown in the spring, but the blossom will be much stronger the second season. Succeeds best in dry, loamy soil. Tender perennial, one and one-half to two feet high.

Antirrhinum, majus, tall varieties, mixed. .05

AQUILEGIA. Columbine.

Hardy perennial plants, growing from one and one-half to three feet high, bearing in profusion large drooping flowers of novel shape and great variety of colors. Very ornamental and among the best of hardy border plants. May be propagated by dividing the roots.

Aquilegia, vulgaris, fl. pl., double varieties, mixed. .05

ASTER. (Callistephus Chinensis.)

Among the many annuals now in cultivation Asters are the most popular. There are few flowers that combine so much beauty, variety of habit, form and color, and few are easier grown. They are favorites for bedding, bordering or pot culture, but to see them in their beauty, should be grown in masses and well cultivated, not at any stage left to poor culture. For summer and autumn flowering they are unexcelled. The seed we offer comes from the most celebrated German growers, and has been saved from the best double flowers.



ASTER, DWARF CHRYSANTHEMUM FLOWERED.

Aster, Dwarf Chrysanthemum Flowered.—Surpasses all the dwarf varieties, in size of flowers. They are full and double and produced in clusters of 20 to 30 on a plant. Height, 10 inches. Later than other varieties and therefore valuable for succession.

White10
 Finest Mixed, Per oz., \$1.5010

Aster, Giant Comet.—A superb new class of Asters. The plants are dwarf and of pyramidal growth. Flowers are extremely beautiful, 3 1/2 to 4 1/2 inches across, composed of long, wavy, twisted petals which form loose yet dense half globes, much resembling the large flowered Japanese Chrysanthemums.

"The Bride." White changing to Rose. Very effective.15
 Finest mixed. Per oz., \$2.5010

Aster, Princess.—A magnificent class similar to the Mignon Aster. A profuse bloomer, a single plant often producing 30 flowers, of half globular form and composed of short, thickly set, imbricated petals, giving them the appearance of a white Lilliput Dahlia. Fine for pot culture.

Pure White or "Snowball." One of the finest white Asters; very long bloomer; excellent for florists.10

"Rosalind." Most charming bright rose color.15

White and Rose. White shaded Rose and Blush.15

Aster, Mignon.—An excellent new class resembling in habit, height and form, the Victoria, but a more profuse bloomer. The flowers are of refined form and are particularly valuable for cutting.

Pure White, excellent.10

Peach Blossom, beautiful pink.10

Crimson.10

Light Blue, splendid.10

Mixed, a great variety of colors.10

Aster, Truffaut's Pæony-Flowered Perfection.—A magnificent class, with large, fine flowers, 3 to 4 inches in diameter, with long beautifully incurved petals. Forms large compact plants 1 1/2 to 2 feet high.

Snow white.10

Rose, very brilliant.10

Crimson.10

Light Blue.10

Finest mixed, nearly 30 distinct shades and colors. Per oz., \$2.00.10



ASTER, VICTORIA.

Aster, Victoria.—This is without doubt the most handsome Aster in cultivation. Flowers are massive and showy, with petals curving out and down and overlapping like the petals of the double Dahlia. Height about 2 feet.

White.10

White, turning to Rose.10

White, turning to Azure Blue.10

Peach blossom, beautiful pink.10

Bright Rose tinged White.10

Crimson.10

Light Blue.10

Finest mixed; contains over 20 colors, per oz. \$2.50.10

Aster, Vick's Branching White.—This Aster is a strong grower of branching habit, and blooms later in the season than any other variety. The flowers are pure white, four inches and over in diameter; borne on long stems, with broad long petals.10

Aster, Semple's Branching—A choice strain of American grown Asters. The plants are of branching habit; flowers are of perfect form, 4 to 6 inches in diameter, borne on long stems, and equal to early Chrysanthemums, which they much resemble.

- Pure White..... .10
- Pink..... .10
- Lavender Blue..... .10
- Finest mixed..... .10

Aster, Crown or Cocardeau—A very showy variety from 1½ to 2 feet high. The large double flowers have a center of purest white, surrounded with petals of a distinct bright color. Mixed, per oz. \$1.50..... .10

Aster, Imbricated Pompon—This class has exquisite shaped flowers, very full and double, with narrow petals closely imbricated, forming a most perfect pompon. Excellent for bouquets. Finest mixed, per oz. \$1.75..... .10

Aster, China—A tall growing variety with large double flowers of a globular shape. Plants 2 ft. high. Mixed, embracing a great variety of colors, per oz. 75c..... .05

AURICULA—See *Primula Auricula*.

BACHELOR'S BUTTON.

A name sometimes applied to *Centaurea Cyanus*, q.v.

BALSAM,—(*Impatiens Balsamina*.)

Lady Slipper. Touch-me-not.

One of the most beautiful of popular summer blooming annuals, forms a showy bush-like plant 1½ to 2 feet high, profusely covered with large double flowers of bright colors.

Balsam, Camellia Flowered—The flowers resemble the Camellia, are often fully as double, and are borne in wonderful profusion. Finest mixed, per oz. \$1.00..... .10



BALSAM, DOUBLE.

Balsam, Double Rose Flowered—An excellent strain, many of the flowers approaching the perfection of the Rose in shape and fullness.

- Pure White..... .10
- Splendid Mixture, per oz. \$1.00..... .10

Balsam, Double, Very Fine Mixed—A rich effective mixture of fine double varieties, per oz. 40c..... .05

BELLIS—*Double Daisy*.

Splendid plants for early spring and summer, flowering in cool, shady places; admirably adapted for edging, borders and low beds, and also suitable for growing in pots. They are easily raised from seed and bloom the first season if started early in the house.



BELLIS PERENNIS.

- Bellis Perennis, Alba fl. pl., Extra Double White**..... .10
- Bellis Perennis fl. pl., Longfellow.** Very large pink blooms..... .10

CALENDULA—*Pot Marigold*.

Showy free flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; valuable also for pot culture, blooming freely in winter and early spring; 1 foot high.

- Calendula, Meteor**—Large double yellow striped with orange, per oz. 30c..... .05
- Calendula, Prince of Orange**—Resembles Meteor but is much darker, per oz. 40c..... .05
- Calendula, Sulphurea, fl. pl**—Large full double flowers of a pleasing sulphur yellow color, per oz. 30c..... .05
- Calendula, Mixed**—Fine mixture of double varieties, per oz. 25c..... .05

CALIFORNIA POPPY—See *Eschscholtzia*.

CALLIOPSIS, OR COREOPSIS.

A very showy border plant, producing flowers in nearly every shade of yellow, orange, crimson, red and brown. If the seed pods are removed as soon as they appear, the plant will remain in bloom much longer. Two feet high.

- Calliopsis, Grandiflora** very large golden yellow flowers; splendid for cutting; perennial...10
- Calliopsis**, fine mixed, per oz. 15c..... .05

CALLISTEPHUS CHINENSIS—(See *Aster*.)

CAMPANULA.

This is one of the oldest of ornamental garden plants and is one of the easiest culture. Grows 2½ feet high, producing large bell-shaped flowers of different shades which are very effective.

Campanula, Medium—(Canterbury Bells). Single mixed..... .05

CANDYTUFT—(*Iberis*.)



CANDYTUFT, ROCKET.

Well known hardy annuals of the easiest culture; great favorites for beds, edgings, pots and borders, and considered indispensable for cutting. The plants flower profusely throughout the entire season.

- Candytuft, Empress**—A handsome pure white variety, intermediate in height between the Rocket and Tom Thumb sorts. The plant is of branching habit, each branch producing a large truss of flowers, and the whole plant presenting a candelabra-like profusion of bloom throughout the summer, per oz. 40c..... .10
- Candytuft, Tom Thumb**—A dwarf, white flowered variety, 4 to 6 inches high, and especially suited for edgings, per oz. 35c.... .10
- Candytuft, White Rocket**—(*Iberis Coronaria*.) A standard sort, producing large trusses of pure white flowers; admirably suited for cutting, per oz. 25c..... .05
- Candytuft, White**—(*Iberis amara*.) The common white variety, per oz. 20c..... .05
- Candytuft, Crimson**—(*Iberis umbellata purpurea*.) Dark crimson; the best dark variety..... .05
- Candytuft, Carmine**—(*Iberis umbellata carminea*.)05
- Candytuft, Mixed**—Annual varieties in good mixture, per oz. 15c..... .05

CANNA—(Indian Shot.)



CANNA.

Grand ornamental plants with stately foliage and large spikes of brilliant flowers. Plants grown from seed will bloom slightly the first year, and form large roots which will flower profusely the second summer. Tender perennial, 2 to 6 feet high.

Canna, Crozy's New Hybrids, made up from seed obtained direct from Mr. Crozy and other noted foreign specialists; saved from the handsomest of late introductions. Most of them are of dwarf habit, large bloomers, and very remarkable, both for beauty and size of flower and foliage. Mixed, per oz. 50c..... .10

Canna, Dark-Leaved Varieties, flowers large; foliage very dark color. Mixed, per oz. 40c..... .05

CANTERBURY BELLS—See Campanula.

CASTOR OIL PLANT—(Ricinus.)

A very ornamental, strong growing plant with leaves of green, brown or bronzed metallic hue, and long spikes of prickly capsules of scarlet and green. An elegant plant for a lawn or as a center plant of groups of Cannas, Dahlias, etc. Half hardy annual, six to ten feet high.



CASTOR OIL PLANT.

Castor Oil Plant, Zanzibariensis—An entirely distinct new sort, with enormous leaves, measuring 2 to 2½ feet across, and in different plants ranging from light green to deep bronze. Exceedingly striking and beautiful, per oz. 25c..... .10

Castor Oil Plant, mixed varieties, per oz. 15c., .05

CARNATION—(Dianthus Caryophyllus.)

A universal favorite; one of the most esteemed flowers of the florists' collection, and indispensable in every collection of conservatory or house plants, while for open ground culture it is very desirable. It is not surpassed in elegance, beauty or fragrance by any other flower. The flowers are borne on long stems, rendering them excellent for cut flowers. Half-hardy perennials. One to one and one-half feet high.



CARNATION. DOUBLE PERPETUAL.

Carnation, Double Perpetual—This new carnation was raised by a famous French specialist who claims it to be the best of his introductions. The plant is closely branched, grows from sixteen to twenty inches high, and carries its bloom well. Handsome double flowers are produced in great

in every variety of color, on vertical straight stalky flower stems. Blooms in about seven months from sowing of seed and continues to flower indefinitely. It possesses all the good qualities of the best Tree Carnations, together with the earliness of the Marguerite class, and produces from eighty to ninety per cent. of double flowers. In view of its earliness, hardiness, robust growth, perfect bearing, variety of color of the flowers, and the long continued time of bloom, it is likely to supersede all other varieties. It will be found invaluable for florists and amateurs. Seed can be sown either in autumn or early spring..... .15



A magnificent class of carnations that will bloom in 4 months after sowing of the seed. The flowers are of brilliant colors, ranging through many beautiful shades of reds, pinks, white, variegated, etc. They are of perfect form and large size, and what is of special value, the calyx never bursts. Those sown in spring commence flowering in early summer and continue to bloom most abundantly until checked by frost. They can be potted and taken into the house and will flower though the winter. Eighty per cent. of the flowers are very double. The plants are dwarf, much branched, compact and robust in habit, consequently supporting themselves. The seed we offer is an improved strain of the semi-dwarf class, which is most valuable.

New Giant—A much improved class, both in size of flower and doubleness, yielding a rich display of colors..... .25
White, new, much improved and nearly true from seed; extra fine..... .15
 Finest mixed, per oz. \$2.00..... .10
Carnation, Extra Choice, Double—A very fine strain, mixed, per oz. \$2.50..... .10

CENTAUREA.

Centaurea. cyanus—(Ragged Sailor, Corn Flower, Blue Bottle). Sometimes called Bachelor's Button. A perfectly hardy border plant, thriving finely in any common garden soil, but the flowers are more brilliant if grown in gravelly ground. Under cultivation it is really a handsome flower, sport-thing its varieties of white, purple, pink, the first-colored, etc. Hardy annual, two to three feet high. Mixed, per oz. 20c..... .05

Emperor William—A fine dark blue variety, per oz. 25c..... .05
Centaurea Gymnocarpa—(Dusty Miller). A valuable ornamental leaved plant, forming a graceful round bush of silvery gray, fern like leaves, making a fine contrast when massed with dark foliage plants. Half-hardy perennials, 1½ ft. high..... .10

CHRYSANTHEMUM.

Showy and effective garden favorites, exclusively grown for cut flowers. They produce on long stems, beautifully large flowers of many bright colors.



CHRYSANTHEMUM, MIXED ANNUAL VARIETIES.

Single Annual Sorts.

Showy, free blooming plants of thrifty habits, 12 to 18 inches high. Hardy annuals.
Chrysanthemum, carinatum, (tricolor) Buridgeanum—Crimson maroon with white edge and inner circle of yellow..... .05
Chrysanthemum, carinatum—Fine mixed single, per oz. 25c..... .05
Chrysanthemum, Frutescens—Paris Daisy or "Marguerite." The finest of the white "Daisies." Produces its pretty white star shaped flowers in great abundance. Popular with florists; valuable for cutting. Succeeds well in any garden soil, 2½ feet high..... .10

Double Annual Sorts.

Hardy garden plants 1½ to 2 feet high, blooming plentifully throughout the summer and until frost.
Chrysanthemum, coronarium, fl. pl—Double white and yellow mixed, per oz. 25c..... .05
Chrysanthemum, carinatum hybridum, fl. pl—Double hybrids. New and unique varieties. Pure white, yellow, bronzy yellow, crimson, etc., tinged with red, lilac or rose. Finest mixed colors..... .10

Perennial Varieties.

These are the popular fall flowering Chrysanthemums that attract so much attention at the autumn shows. Plants raised from seed bloom the first year if sown early.
Chrysanthemum, Chinese and Japanese Varieties—Saved from the finest varieties in cultivation and cannot fail, with proper care, to give magnificent flowers in a wonderful variety of colors and form..... .25

CIGAR PLANT—See *Cuphea Platycentra*.

CINERARIA.

Flowering Varieties.

One of the most ornamental and useful greenhouse flowering plants. Has large handsome flowers measuring 2 to 3 inches in diameter, the colors being distinct and richly diversified. Greenhouse perennial.
Cineraria hybrida grandiflora—Large flowered prize varieties, splendid mixed..... .25
Cineraria hybrida grandiflora nana—Large flowered semi-dwarf prize varieties, splendid strain, mixed..... .25

Cineraria plenissima—Double; saved from a splendid collection of double sorts and will produce almost exclusively beautifully double flowering plants..... .50

CLARKIA.

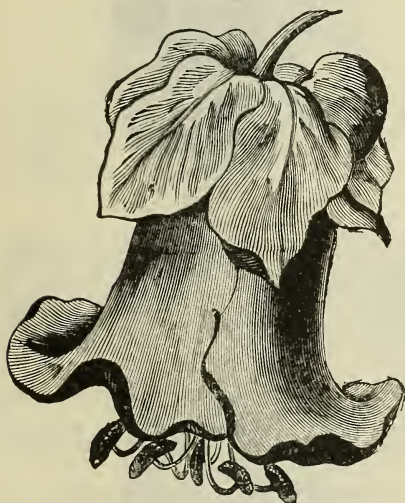


CLARKIA, SINGLE AND DOUBLE VARIETIES.

Very pretty free flowering annuals for flower beds. The flowers are very showy and of many colors; one and one-half feet high.

Clarkia, Elegans—Single and double, fine mixed, per oz. 25c..... .05

COBÆA.



COBÆA SCANDENS.

A rapid growing climber attaining a height of 20 to 30 feet in a season. Can be grown in the garden in summer and in the greenhouse or conservatory in the winter. Bears large purple bell shaped flowers which are produced in great profusion. Half hardy perennial.

Cobæa Scandens..... .10

COLEUS.

Well known ornamental foliage plants; indispensable for groups on lawns or bedding and also valuable for pot culture. The leaves are of many shapes, colors and markings, and nearly all have a rich velvety appearance. Tender perennial, one to three feet high.

Coleus, finest varieties, splendid mixture.... .25

COLUMBINE—See *Aquilegia*.

CONVOLVULUS.



CONVOLVULUS, TRICOLOR.

Convolvulus, Tricolor (minor)—(Dwarf Morning Glory). Dwarf plants of trailing, branching habit, each plant occupying a space of two feet. At mid-day they are completely covered with a mass of most brilliant, many colored blossoms, which remain open till evening, in dry weather. One foot high. Half-hardy annuals. Mixed, per oz. 15c. .05

CONVOLVULUS, MAJOR—See *Morning Glory*.

CORDYLINE.

Cordylina, Indivisa—Very showy foliage plant with narrow arching leaves; extensively used for centers of hanging baskets and vases, and for decoration..... .10

CORN FLOWER.—See *Centaurea Cyanus*.

COSMOS.

A showy autumn flowering plant, with elegant foliage, of very strong growth, and considered of great value for cutting. The plants grow from six to eight feet high, and in blooming season are covered with hundreds of blossoms two and three inches in diameter and resembling single Dahlias. A quite hardy annual.

Cosmos, New Giant Early — Flowering Fancy—The flowers of this superb new strain are of immense size, measuring 4 to 5 inches in diameter, and are produced in great diversity of form and coloring. the colors range from pure white through shades of pink, deep rose and crimson to light red. Mixed .10

Cosmos—Large Flowering. White..... .05
 “ “ “ Pink..... .05
 “ “ “ Mixed..... .05

CUCURBITA—See *Gourds*.

CUPHEA.

Cuphea, Platycentra—(Cigar Plant). A most interesting plant, useful for bedding purposes and for house culture. Forms a dwarf, compact bush about twelve inches high and bears a profusion of vermilion tube shaped blossoms with black lower lip and edged with white on the tip. Half-hardy annual..... .05

CYPRESS VINE—(*Ipomœa Quamoclit*.)

A most beautiful climber, with delicate, dark green, feathery foliage, and an abundance of bright, star-shaped, rose scarlet and white blossoms, which, in the bright sunshine, present a mass of beauty. Planted by the side of a veranda, tree or stakes, and trained properly, there is nothing prettier. Tender annual; fifteen feet high.

Cypress Vine—Scarlet, per oz. 30c..... .05
 “ “ White, “ “ 30c..... .05
 “ “ Mixed, “ “ 25c..... .05

CYCLAMEN.

Beautiful winter and spring flowering tuberous-rooted plants for pot culture in conservatory or greenhouse; bearing large handsome flowers in a variety of bright colors. Tender perennial.

Cyclamen, Persicum Giganteum—An extra choice strain saved from very large flowers of rich and varied colors. Finest mixed, .25

DAHLIA.

A very popular race of plants that may be had in the greatest variety and beauty from seed both of the single and double sorts. Seed sown in spring will produce some flowers the same season and the large roots will give a profusion of bloom the next year. Tender perennials, 4 to 6 feet high.

Dahlia, Double, Large Flowered—Large double flowers of perfect form and rich colors and markings..... .10

Dahlia, Single Varieties—Splendid mixture.. .10

DAISY—See *Bellis*.

DATURA.

Datura, Cornucopia—A highly interesting novelty forming a good sized bush-like plant in a single season. The flowers are composed of three funnel shaped tubes, growing each within the other; the throat and mouth of each tube being a delicate white and the outside a mottled purple. The flowers are 8 to 10 inches in length and 5 to 7 inches across the mouth. This novelty is of easy culture, does splendidly in the open ground; may be grown as single specimen, in groups, or among shrubbery.10

DELPHINIUM—Hardy Larkspur.

Very ornamental, free flowering perennials, with splendid flowers and curiously cut leaves. Indispensable for permanent beds and borders.

Delphinium, Formosum, flowers deep blue with white center, in tall, much crowded spikes; 2 to 3 feet high..... .05

Delphinium, Nudicaule, compact and abundant bloomer with large, scarlet flowers; 1½ feet high..... .10

For annual varieties see *Larkspur*.

DIANTHUS—Pinks.

The family of Dianthus is by far the most useful of all the biennials and perennials, and for beauty the variety cannot be surpassed. The delicacy and richness of the tints, combined with the aromatic fragrance of many of the species, are valuable recommendations for the entire family.



DIANTHUS, CHINENSIS, FL. PL.

Dianthus, Chinensis, fl. pl.—Double China Pink; a biennial of dwarf habit; flowers the first

year but the bloom is stronger the second. Finest double mixture, per oz. 30c..... .05

Dianthus, Heddewigii—Finest single mixed; flowers deeply fringed or feathered; broad and round and of exquisite colors. Half-hardy annual, per oz. 50c..... .05

Dianthus, Heddewigii, Hybridus, fl. pl.—Double Japan Pink; flowers very large and double, two to three inches in diameter and of many brilliant colors. Half-hardy annual. Choicest mixed, per oz. 60c..... .05

Dianthus, Heddewigii, Hyb. Albo-Marginatus, fl. pl.—Mourning Pink. The most striking of all pinks. The large double flowers are almost black with a clear fringed edge of white..... .05

Dianthus, Imperialis, fl. pl. Double Imperial Pink. Very beautiful; many charming colors. Extra fine mixture, per oz. 40c..... .05

Pure White..... .05

Dianthus, Plumarius—Pheasant's Eye Pink. The sweet scented single grass pink. Large finely fringed flowers. Hardy perennial, per oz. 40c..... .05

DIANTHUS, BARBATUS—See *Sweet William*.

DIANTHUS, CARYOPHYLLUS—See *Carnation*.

DRACÆNA, INDIVISA—See *Cordylite*.

ELICHRYSUM—Everlasting Flower.



ELICHRYSUM.

Very showy summer-blooming annuals producing large, full double flowers of various colors, from bright yellow to scarlet, shaded and tipped. Not only handsome as garden plants, but valuable as an "everlasting" for winter bouquets. When used for this purpose the blossoms should be gathered on the point of expanding. One to two feet high.

Elichrysum, Monstrosum fl. pl., Album, large flowering double, white..... .05

Elichrysum, Monstrosum fl. pl., large flowering double, very showy and rich mixture, per oz. 50c..... .05

ESCHSCHOLTZIA—California Poppy.

Very showy summer flowering annuals; blossoms about two inches in diameter, saucer shaped, of many brilliant and showy colors, are produced in great profusion. Excellent for bedding or borders; also fine for pot culture. One foot high.

Eschscholtzia, Californica, yellow, Per oz., 30c..... .05

“ “ alba, white, Per oz., 30c..... .05

“ “ mixed, Per oz., 25c..... .05

EVENING PRIMROSE—See *Ethothena biennis*.

EVERLASTING—See *Elichrysum*.

FEVERFEW—See *Matricaria*.

FORGET-ME-NOT—See *Myosotis*.

FOUR O'CLOCK—(*Mirabilis Jalapa*.)
Marvel of Peru.

Handsome, sweet-scented free flowering plants; some varieties have beautifully variegated leaves. The flowers are funnel-shaped, white, red and striped, and open

about 4 o'clock in the afternoon, remain open all night and generally perish before noon the next day. Hardy annual, two feet high.

Four O'Clock, mixed, per oz. 15c..... .05

GAILLARDIA.

A very showy and useful class of plants; remarkable for the profusion of bloom, size, and brilliancy of their flowers. Effective when grown in masses, flowering during the entire summer and autumn, 1½ ft. high.

Gaillardia, Grandiflora, splendid new perennial varieties with large flowers, dark crimson centers, marked with rings of many different colors. Mixture..... .10

GODETIA.



GODETIA.

Beautiful garden plants of easy cultivation in any good garden soil, and remarkable for the delicacy of their very large blossoms. Hardy annual; one to one and a half feet high.

Godetia, fine mixed..... .05

GOURDS—(Cucurbita.)

A tribe of climbers with curiously shaped fruit in various colors. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. The foliage is quite ornamental, and the markings of some of the fruit is extraordinary. Do not plant the seed until all danger of frost is over and select rich,



ORNAMENTAL GOURDS.

mellow ground. Tender annual climber; 10 to 20 ft. high

Gourds, Ornamental, mixed, per oz. 25c.. .05

HELIANTHUS—See Sun Flower.

HELIOTROPE.

Highly valued for the fragrance of their flowers, and duration of bloom. They succeed in any rich, light soil, and cuttings of the shrubby kinds, taken off while young, start readily. Start under glass. Half hardy perennial; one foot high.

Heliotrope, choice mixed..... .10

HOLLYHOCK.

The Hollyhock, in its present state of perfection, is very unlike its parent of olden times. It now ranks with the Dahlia, Aster, Camellia, etc. For a back-ground to a flower garden, perhaps no plant is so useful. The flowers are as double as a rose, of many shades of color, from deep yellow, red, purple, to pure white. Hardy perennial; five feet high.

Hollyhock, Superb Double—A prize strain; unsurpassed. Mixture of 15 prize varieties, .10

Hollyhock, German, Double, mixed, per oz. \$1.00..... .05



DOUBLE HOLLYHOCK.

IBERIS.—See Candytuft.

ICE PLANT—(Mesembryanthemum.)

Handsome and curious plant for hanging baskets, rockwork, vases and edgings. The leaves and stems are succulent and fleshy, and look like rock candy. The whole plant is peculiarly brilliant in the sunshine. The flower is white and not conspicuous. Can be grown in pots or open border, the former having preference. Tender annual trailer; six inches high.

Ice Plant, (Mesembryanthemum, crystallinum) .05

IMPATIENS BALSAMINA—See Balsam.

IPOMŒA QUAMOCUIT—See Cypress Vine.

JOB'S TEARS—(Coix Lacryma.)

Curious ornamental grass with broad corn-like leaves. Valuable for the formation of winter bouquets, in connection with everlasting flowers. The seeds are of a light slate color; strings of handsome beads may be made from them. Hardy annuals; three feet high, per oz. 15c..... .05

JOSEPH'S COAT—See Amaranthus Tricolor.

LARKSPUR—(Delphinium.)

The Larkspur is one of the handsomest and most useful of plants, and for large gardens it is invaluable. The leaves are much divided; flowers in terminal spikes. The brilliancy of some of the colors is unsurpassed. Hardy annuals.

Larkspur, Double Dwarf German Rocket, very free flowering species. Flowers in spikes. One foot high. Mixed, per oz. 25c..... .05

Larkspur, Tall German Rocket, two feet high. Finest mixed, per oz. 25c..... .05

Larkspur, Stock-Flowered Tall Branching, a tall branching variety with beautiful long spikes of flowers, 2 feet high. Mixed, per oz. 25c..... .05
For perennial varieties see Delphinium.

LATHYRUS ODORATUS—See Sweet Peas.

LOBELIA.



LOBELIA CRYSTAL PALACE COMPACTA.

One of the most elegant and useful plants, of easy culture, and well adapted for bedding, edging, pots or rockeries. Half-hardy annuals.

Lobelia, Erinus Gracilis, light blue. Fine for baskets, vases, etc., training gracefully and blooming profusely. Six inches high..... .05

Lobelia, Crystal Palace Compacta, deep rich blue, splendid for edging and carpet bedding. Four to six inches high..... .05

LOVE-LIES-BLEEDING—See *Amaranthus Caudatus*.

MARIGOLD—(*Tagetes*.)

MARIGOLD, EL DORADO.

The Marigold has been an inhabitant of the flower garden from time immemorial, and where a rich display of bloom is desired, is almost indispensable. The African varieties are tall, growing usually two feet or more, while the French are more dwarf, of more perfect form and gorgeous beauty; all are desirable. Half-hardy annuals, in bloom till frost comes.

Marigold, Tall African Orange. (*Tagetes erecta* fl. pl. aurea), bright orange yellow..... .05

Marigold, Tall African Lemon. (*Tagetes erecta* fl. pl. sulphurea), lemon yellow..... .05

Marigold, Tall African, (*Tagetes erecta*), mixed sorts, per oz. 40c..... .05

Marigold, Tall African, El Dorado. (*Tagetes erecta* fl. pl. fistulosa). Flowers very large, quilled and extremely double. Colors in all shades of yellow..... .10

Marigold, Dwarf Double French. (*Tagetes patula nana*). Bright attractive colors, mixed, per oz. 40c..... .05

MARVEL OF PERU—(*Mirabilis Jalapa*). See *Four O'Clock*.

MATRICARIA.

Matricaria Capensis, fl. pl. (Feverfew). Bushy annual garden plant, useful for bedding. Flowers much used for cutting. Double white, fine..... .05

MESEMBRYANTHEMUM CRYSTALLINUM—See *Ice Plant*.

MIGNONETTE.



MIGNONETTE.

A well known hardy annual, producing dense semi-globular heads of exceedingly fragrant flowers, borne on spikes from three to six inches long. Is in bloom nearly the whole season, and is so fragrant that the whole atmosphere around is perfumed. If sown at intervals during the spring and early summer, it will be in bloom till killed by the frost. Seeds sown in autumn will bloom early in spring. Hardy annual; perennial if protected; one foot high.

Mignonette, Sweet, Large Flowered—(*Reseda Odorata grandiflora*), per oz. 10c..... .05

Mignonette, Matchet—(*Reseda grandiflora*). An entirely new and distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. One of the very best sorts for pot culture, per oz. 50c..... .05

Mignonette, Golden Matchet—A new and distinct variety, possessing all the excellences peculiar to the popular Matchet Mignonette, which sort is recognized by every grower as the best for forcing and pot culture. The plants are of strong, compact habit, with large crinkled leaves, and bear massive spikes of golden yellow blossoms..... .15

Mignonette, Niles Hybrid Spiral. (*Reseda grandiflora spiralis*). A vigorous grower; spikes of pink flowers 8 to 12 inches long. Very fragrant; plant dwarf and branching, per oz. 30c..... .05

MIMOSA—See *Sensitive Plant*.

MIMULUS.



MIMULUS, TIGRINUS.

Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air.

- Mimulus, Pochatus** (Musk Plant); cultivated on account of the musky odor of the leaves..... .10
- Mimulus, Tigrinus Grandiflorus** (Monkey Flower); beautiful, large, tigered and spotted flowers; blooms the first year..... .10
- MIRABILIS JALAPA.** (*Marvel of Peru.*)—See *Four O'Clock.*

MONKEY FLOWER—See *Mimulus Tigrinus.*

MOURNING BRIDE—See *Scabiosa.*

MUSK—See *Mimulus Mochatus.*

MYOSOTIS. (Forget-me-not.)

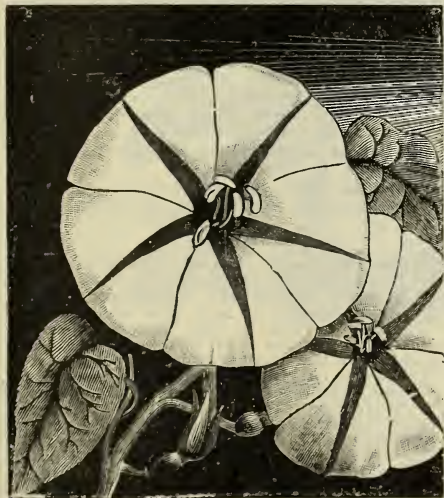


MYOSOTIS.

An old favorite plant, bearing clusters of star shaped, delicate blue flowers with white and yellow eyes. It flourishes best in a moist, shady situation, and it is in constant bloom nearly the whole season. If the seed be sown early in autumn, it will succeed best, and flower early in spring. Hardy perennial; six inches high.

Myosotis, Alpestris, blue, per oz. \$1.00..... 10

MOON FLOWER—(*Ipomœa.*)



MOON FLOWER.

Moon Flower, New Hybrid—It makes an immense growth of vine and deep foliage, and is of great value in the north, as it is in full bloom fully one month before the old varieties. The large flowers are four to six inches in diameter and very numerous, completely covering the foliage at places. They vary in form on different plants, some being scalloped, others perfectly round, others star-shaped; the foli-

age also varies from the original shape, to oak-leaved and heart-shaped forms, per oz. 75c..... .10

MORNING GLORY.

One of the most free flowering and rapid growing plants in cultivation. It is so hardy as to grow and thrive in almost any soil or situation.



MORNING GLORY.

Morning Glory, Imperial Japanese—A magnificent new class, with gigantic flowers measuring 4 to 6 inches across and of an endless variety of colors running through all shades of blue and of red from palest pink to the darkest shades of red and purple; some are streaked, mottled, striped, marbled and bordered in wonderful profusion. Of the easiest culture and very rapid growth, grows in any common garden soil, attaining a height of 30 ft. during the summer. Very attractive even before flowering, on account of the varied forms and markings of the foliage, some of the leaves being a dark green while others are golden, and many of them marbled, margined and streaked with silvery white, green and grey. Grand mixture of all varieties, per oz. \$1.00, three packets 25c..... .10

Morning Glory—(*Convolvulus, major.*) Handsome showy climber of easy culture, and suitable for covering arbors, windows, trellises, old stumps, etc. Ten feet high, per lb 60c, per oz. 10c..... .05

Morning Glory, Double.—(*Ipomœa Purpurea, fl. pl.*) A double *Convolvulus* coming 75 to 85 per cent. true from seed. Is of rapid growth and produces its double flowers very freely; the remainder of the flowers are semi-double and single. The flowers are white with spot of red or blue at base of the large petals, three packets 25c..... .10

DWARF MORNING GLORY—See *Convolvulus, Minor.*

NASTURTIUM—(*Tropæolum.*)

Tom Thumb or Bedding Sorts.

A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, and blooms all the season. The flowers are more brilliant if the soil be not over rich. Give each plant a foot of room. Hardy annual; one foot high.

Nasturtium "Liliput"—(*Tropæolum Lobbianum compactum.*)—An entirely new class of Dwarf Nasturtium; the plant is in every respect smaller than Tom Thumb. The dainty little flowers are produced in the greatest profusion and appear in various and showy colors, many shades among them such as are not represented in the old class. The seed is much smaller than in the Tom Thumb Nasturtium and similar to that of the Lobbianum varieties. As yet no separate colors have been fixed, but the mixture will be found highly effective and renders this new Nasturtium excellent for groups and borders..... .15

Nasturtium, Tom Thumb, Scarlet.—(*Tropæolum minor coccineum.*) Very bright, per oz. 20c..... .05



NASTURTIUM, TOM THUMB.

- Nasturtium, Tom Thumb, Crimson.—(*Tropæolum minor atropurpureum*). Rich velvet crimson, per oz. 20c..... .05
- Nasturtium, Tom Thumb, Empress of India.—Splendid dark leaved variety, with brilliant crimson flowers, per oz. 25c..... .05
- Nasturtium, Tom Thumb, King of Tom Thumbs.—Scarlet with dark foliage, per oz. 25c..... .05
- Nasturtium, Tom Thumb, mixture of many fine sorts, per lb. \$2.00, per oz. 15c..... .05

NASTURTIUM.

Tall or Climbing Sorts.

The Tall Nasturtium is a very rapid grower, and strikes freely from cuttings, but seeds sparingly. The colors are very brilliant and of many shades, from scarlet to black. Fine for covering arbors, trellises and rustic work. Hardy annual; ten to twenty feet high.

Nasturtium, Lobb's Climbing Varieties.—(*Tropæolum Lobbianum*). The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtium, but the varieties are more profuse flowering and have brighter foliage. Mixture of splendid sorts, per lb. \$2.50; per oz. 20c..... .05

Nasturtium, Tall.—(*Tropæolum majus*) Mixture of choice varieties, per lb. \$2.00, per oz. 15c..... .05

GENOTHERA.

(*Eurotia*, Biennis.—(Evening Primrose). Fine free flowering plants, best for back grounds or shrubby borders. Large saucer shaped flowers that open at dusk and emit a delightful perfume. Hardy annual; per oz. 20c..... .05

OXALIS.

Very pretty herbaceous plant with rich rose colored blossoms. They thrive well in



OXALIS.

a mixture of loam and sand; they should not be watered after they have done flowering

until they begin to grow afresh. Are very desirable for greenhouse decoration, rock work, or baskets out of doors. The plants can be wintered successfully in cold frame if they are kept dry and the frost is excluded. Half-hardy perennial.

Oxalis, choice mixed..... .05

PANSY—(*Viola Tricolor Maxima*.)

These lovely flowers are favorites with all, not only for the brilliancy and variety of their color, but for the durability of their bloom. Seed may be sown in open ground in spring or summer, or in hot-bed early in spring. Young plants produce the largest and best flowers. The plants should always occupy a cool, partially shaded situation, and the ground cannot be too rich; coolness and moisture are necessary. Transplant when an inch high. Seed sown in July will blossom late in autumn; if sown in October, will bloom the following spring. Hardy biennial, four inches high.

Separate Sorts.

- Black, or Dr. Faust.—(Queen of Blacks). Deep jet black, per oz. \$1.50..... .05
- Coquette de Poissy.—An entirely new color in Pansies; unlike anything before known, being a distinct mauve color; of good size, regular compact growth..... .15
- Emperor William.—Ultra-marine blue with dark center, per oz. \$1.50..... .05
- Giant Beaconsfield, ground color, purple violet shading off in upper petals to lavender and white, per ¼ oz. 7c..... .10
- Giant Snowflake.—An excellent new Pansy offered for the first time. Satiny white; very pretty..... .10
- Gold-Margined.—Very distinct and showy. Bright golden margin, per oz. \$1.25..... .05
- Peacock.—A beautiful large flowered pansy of English origin. The upper petals are rich ultra-marine blue, the lower petals a deep claret, blotched with deep blue shading to black, the whole flower edged with white..... .10
- President Carnot.—A valuable new French Pansy; the flowers are large and of elegant shape. Each of the five petals is margined with clear white, while the greater surface of each is covered with a rich deep violet blotch, the two colors forming a very handsome combination..... .15
- Victoria.—Very effective; rich velvety petals of a bright claret color; the nearest approach to a scarlet in Pansies..... .10
- Yellow, Black Center, Very showy; has large black eye, per oz. \$1.25..... .05
- Yellow Gem, pure yellow, without eye. One of the showiest pansies, per oz. \$1.50..... .05

Mixtures.

"Greater Cleveland" Mixture. The finest mixture ever offered. Contains over 65 different colors, shades and markings; beautiful, rare varieties, and new shades that can only be had in this mixture, besides the large stained and blotched sorts, and strains of the leading kinds of commerce, which by careful culture from season to season have been brought to a high degree of perfection. The flowers are of perfect form, enormous size, measuring from two and one-half to four inches in diameter; they will please everyone. In "Greater Cleveland" Mixture we have the cream of varieties, secured regardless of cost from Pansy specialists of our own country and Europe. Five packets \$1.00..... .25

Odier or Blotched.—A superb strain of three and five blotched show pansies, unsurpassed for shape, markings and richness of color of the flowers as well as for habit of growth, per ¼ oz. \$1.00..... .15

Cassier's Very Large-Flowered Blotched.—An especially recommendable strain of largest flowered class of blotched Pansies, per ¼ oz. \$1.25..... .15



GIANT TRIMARDEAU.

Bugnot's Superb Blotched—A very beautiful class; extra large flowers with broad blotches and delicate markings; yields a great diversity of the handsomest and rarest colors, per ¼ oz. \$1.50..... .20

Giant Trimardeau—An entirely distinct and beautiful race, with flowers of the richest and most varied shades of color. The plants are of vigorous and compact growth and the flowers are each marked with three large blotches or spots, per ¼ oz. 75c..... .10

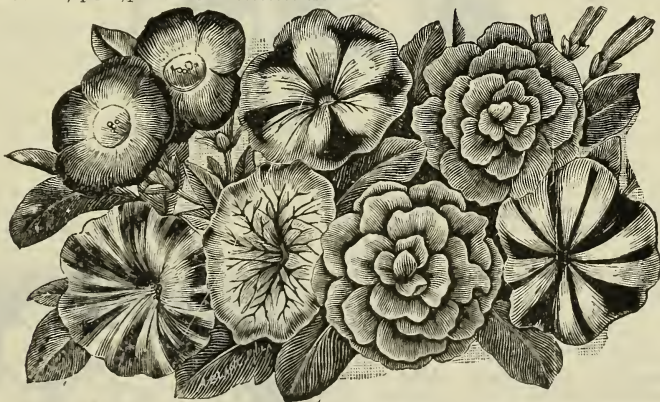
Giant Striped—A beautiful mixture. Flowers striped and mottled in various tints on contrasting grounds, per ¼ oz. 75c..... .10

Tilton's Giant Pansy Mixture—A splendid mixture of the finest giant flowering varieties; embraces the Odier, Cassier and Bugnot strains, the distinct colors of Trimardeau, and many other shades and colors that are not found in other mixtures.

Per ¼ oz. \$1.00. Per pkt. (250 seeds) 15c. Per pkt. of 100 seeds 10c.

Very Fine Mixture, composed of over thirty separate varieties, remarkably showy and rich in color, per oz. \$1.50..... .05

PARIS DAISY—See *Chrysanthemum Frutescens*.



PETUNIA, HYBRIDA.

PETUNIA

Well known very ornamental plants producing fragrant and beautiful flowers; they are unsurpassed for massing in beds, and for greenhouse or window culture are valuable. The richness of color, duration of bloom, and easy culture will always render them popular. Tender perennials, but will bloom the first season; one and one-half feet high.

Petunia, Grandiflora Fimbriata, single large flowered fringed. A superb strain of finely fringed flowers, measuring over 4 inches in diameter; remarkable for their brilliancy and variety of color. The seed is saved from finest specimens. Mixed varieties..... .25

Petunia, Grandiflora fl. pl.—Double large flowered. Flowers very double, 3 to 4 inches across and of most beautiful colors. Fecundated with scrupulous care. Extra fine mixed..... .25

Petunia, Grandiflora Fimbriata fl. pl.—Double large flowered fringed..... .25

Petunia, Hybrida, Inimitable—Striped and blotched. Many beautiful colors and combinations. Single mixed, per oz. \$1.00.... .05

Petunia, Hybrida, flowers large and in a great variety of colors. Very rich mixture, per oz. \$1.00..... .05

PHLOX.

Among the most esteemed favorites in the list of flowers. Remarkable for the brilliancy and abundance of their large terminal flowers, completely hiding the foliage. The blossoms are of many colors from pure white to deepest purple, eyed and striped. For masses and separate colors and for cutting for bouquets, they are unsurpassed. Hardy annual, one foot high.



PHLOX DRUMMONDI GRANDIFLORA.

Phlox Drummondii, mixed, a great variety of colors, per oz. 50c..... .05

Large Flowering Phlox.

A magnificent class producing flowers nearly twice as large as the ordinary Phlox and of the most brilliant colors imaginable.

Phlox Drummondii Grandiflora Alba --Pure white, beautiful, per oz. \$1.00..... .10

Phlox Drummondii Grandiflora "Brilliant." -- Brilliant rose with dark red center; very effective, per oz. \$1.00..... .10

Phlox Drummondii Grandiflora Coccinea. --Deep scarlet, very brilliant, per oz. \$1.00..... .10

Phlox Drummondii Grandiflora Kermesina Splendens --Vivid crimson; very bright and effective; one of the best for masses, per oz. \$1.00..... .10

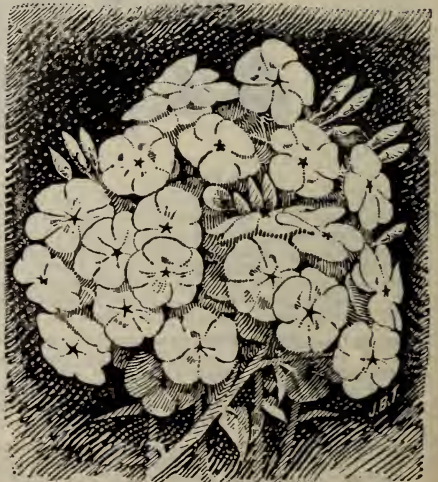
Phlox Drummondii Grandiflora. --Splendid mixed; richest variety of color, per oz. 75c..... .10

Star Phlox.

A splendid class for bouquets. Flowers are of a regular star like form, very novel and beautiful.

Phlox Drummondii Cuspidata. --Finest mixed, per oz. \$1.00..... .10

PINK--See Dianthus.



PHLOX DRUMMONDI GRANDIFLORA ALBA.

POPPY—(Papaver.)

Old fashioned flowers but very popular; there are a few species of great beauty, which are an ornament to any garden.

Poppy, Tulip. (Papaver Glaucum.) Flowers forming a distinct tulip cup. Plants grow vivid scarlet with black spot at base of each petal; of tulip shape, the two other petals about one foot high and produce from fifty to sixty brilliant flowers well above the foliage, resembling scarlet tulips. Hardy annual..... .10

Poppy, The Shirley.—(Papaver Rhoeas.) A magnificent Poppy with a rich tissue paper like appearance, the colors ranging from purest white to all shades of pink, rose, carmine and richest crimson, with an entire absence of black. Flowers are single and semi-double. Hardy annual; very rich and effective mixture..... .10



POPPY, DOUBLE PEONY-FLOWERED.

Poppy, Double Carnation-Flowered. (Papaver somniferum fl. pl.) Large, globular flowers finely slashed and fringed. Plants from two to two and one-half feet high. A great variety of colors. Mixed, per oz. 20c..... .05

Poppy, Double Peony-Flowered (Papaver pœoniflorum fl. pl.) A splendid class, with large double flowers, greatly resembling Peonies. Mixed, per oz. 20c..... .05

Poppy, Iceland.—(Papaver nudicaule.) Hardy perennials, but will produce flowers the first season from spring-sown seed. The flowers are white, yellow and orange scarlet; are very useful for cutting and are produced in great profusion. The plants are very graceful, about twelve inches in height. Single, finest mixed,10

PORTULACA. Rose Moss.

There are scarcely any flowers in cultivation that make such a dazzling display of beauty as a bed of many-hued brilliant-colored Portulacas. Whether used in baskets, beds or edgings, their splendid flowers are produced in great profusion and are very effective. They are in bloom from the first of July till killed by frost in autumn. Tender annual; nine inches high.

Portulaca, Grandiflora.—Single mixed, many colors, per oz. 40c..... .05

Portulaca, Grandiflora, fl. pl.—Double, mixed, finest quality..... .10

PRIMULA.

Primula Auricula—An old and well known favorite. Clusters of fragrant flowers of many colors. Tender perennials, six inches high. Finest quality, mixed..... .10

Primula Chinensis, (Chinese Primrose.)

One of the most desirable plants for the house or conservatory; about eight inches high, with pretty and attractive foliage and flowers one and one-half to two inches in diameter, borne in clusters of twenty-five to thirty. They are fine for winter and spring blooming and if transferred to the border will bloom nearly all summer. Perennial, but new plants flower more freely and seed should be sown every year. One of the best pot plants.

Primula Chinensis Fimbriata, fringed, finest mixed, first quality. A superb mixture.. .50

RHODANTHE.

One of the most handsome of the many varieties of everlastings. Adapted for garden decoration in summer or for pot culture in winter as they come into flower early and continue for a long time. The flowers are of various colors, and if used for winter bouquets should be gathered before they are fully expanded. Tender annual, one foot high.

Rhodanthe, single sorts, mixed..... .10

RICINUS—See Castor Oil Plant.

SALVIA. Flowering Sage.

Salvia Splendens, (Scarlet Sage.) This is the most gorgeous of all plants. Grows 2 to 3 feet high, flowering in the open ground the entire summer and until frost in fall, when the plants can be removed to the greenhouse and will continue in bloom a long time. A single plant will carry as many as 200 spikes of flowers, each spike from 8 to 10 inches long, presenting a blaze of flaming scarlet, completely concealing the foliage. Half-hardy perennials..... .05

Salvia Patens.—Handsome foliage and erect strong stems, bearing heads of broad tubular lipped flowers of a rich bright blue color..... .10

SENSITIVE PLANT—(Mimosa Pudica.)

A very curious plant, with elegant foliage and globular heads of pink flowers; well known for the extreme irritability of its leaves and foot stalks which close and droop at the slightest touch, or in cloudy, damp weather, and during the night. Tender annual, one and a half feet high.

Sensitive Plant—per oz. 50c..... .05

SCABIOSA. Mourning Bride.

Handsome flowers of exceeding sweetness, in hemispherical heads on long stems. Very useful for bouquets, as their long stems work easily, and their striking colors, as well as fragrance, are desirable. Hardy annual, one to two feet high.

Scabiosa, Candidissima fl. pl. (Snowball), large flowering double, pure white. Very fine. .05

Scabiosa, Large Flowering-Double, finest mixed, per oz. 30c..... .05

Scabiosa, Dwarf Double, all colors, per oz. 30c..... .05

SMILAX—(Myrsiphyllum Asparagoides.)

No climbing plant in cultivation surpasses this for the graceful beauty of its foliage. In cut flowers and for wreaths, etc., it is indispensable to florists. Its hard texture enables it to keep several days after being cut, without wilting; nothing is finer for clothing statuettes, vases, etc. The seed germinates

very slowly, sometimes requiring three or four months. Tender perennial climber, ten feet high.

Smilax, per oz. 75c..... .10

SNAPDRAGON—See Antirrhinum.

STOCK.



STOCK.

The stock is one of the most popular plants either for bedding or for pot culture. It has for many years been a general favorite, but in late years the Germans have grown them in such perfection that they are considered almost indispensable where a fine display is wanted. A large proportion of the double flowers is produced from seed. Hardy annual; one foot high.

- Stock, New White Perpetual**, or Cut and Come Again; of strong growth and fine branching habit. Grows about 1½ feet high and produces from spring to late in the fall pure white, beautifully shaped double flowers. .10
- Stock, Large-Flowering Dwarf Pyramidal, Ten Weeks**, a splendid strain, producing its extra double flowers in pyramidal form. Pure white..... .10
- Stock, Large-Flowering Dwarf, white**, per oz. \$2.00 .05
- “ “ “ **mixed**, “ 2.00 .05
- “ “ “ **Dwarf German, Ten Weeks, fine mixed**, per oz. \$1.50..... .05

SUNFLOWER—(Helianthus.)

Adapted by its stately growth for a back ground to a lawn or screen to hide unsightly places. It is also raised as an absorbent of miasma in damp or ill drained situations, thus preventing fevers. The flowers are really quite attractive. Hardy annual; five feet high.



SUNFLOWER, DOUBLE.

- Sunflower, Double**, (Helianthus Californicus, fl. pl.) Large double orange, per oz. 15c..... .05
- Sunflower, Globe-Flowered Double**, (Helianthus Globosus Fistulosus fl. pl.) Enormous flowers of bright yellow color; 5 to 6 ft. high, per oz. 15c..... .05
- Sunflower, Dwarf Double**, (Helianthus nanus fl. pl.) Golden yellow; 2½ to 3 feet high; True. Per oz. 15c..... .05
- Sunflower, Large Russian**, a very tall growing single variety, often fifteen to twenty feet high; the stalks are sometimes used for fuel, per oz. 5c..... .05

SWEET PEAS—Lathyrus odoratus.

Few flowers are more deservedly popular than these showy, free flowering climbers. The purity and brilliancy of their coloring and their peculiar and graceful form make

them universal favorites. They are unsurpassed for hedges and for cutting.

Culture.—Sweet Peas should be sown in drills as early as possible in the spring, in rich friable soil. Prepare the bed by thoroughly working in a large quantity of well rotted manure. Make a trench six inches deep. In this sow the seed and cover two inches deep; as soon as the plant begins to show through, fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of the summer. As fast as the flowers come into bloom or fade, they should be cut off, for if the pods are allowed to form, the plants will stop blooming.

Our stocks are from the Mammoth Sweet Pea Fields of California; carefully rogued; grown by the best growers who know the true varieties. They will be found TRUE TO NAME.

New Dwarf Sweet Pea—“Cupid.”

A DISTINCT AMERICAN NOVELTY OF SURPASSING MERIT.

It has absolutely no tendency to climb, but branches from the root; does not grow over five inches high, nor cover a space of more than 15 inches across.

The flower stems are about four inches long, each bearing 2 or 3 pure waxy white blossoms, all very near the end of the stem. It is a wonderfully free bloomer, beginning to flower as early as May and continuing until frost.

“Cupid” is well adapted for borders and bedding, as it will bear trimming to just the proper shape. It also makes an excellent pot plant; grown in a 12 inch pot it just fills the top. The foliage is a very dark green, and its snow white blossoms bursting into a massive bloom so strongly contrasted



NEW DWARF SWEET PEA—“CUPID.”

with the rich green, present an effect that is certainly very striking. Per packet 10c; oz. 30c; ¼ lb. \$1.00.

Note Low Rates on Sweet Peas by Ounce.—Our List includes only the best varieties, many of them being productions of that famous English hybridizer, Mr. Henry Eckford.

	PKT.	OZ.
Adonis , carmine rose.....	\$0.05	\$0.10
America , cardinal stripe on white ground.....	.05	.15
Apple Blossom , bright pink and blush.....	.05	.10
Blanche Burpee , pure white; of exquisite form and immense size. Very free flowering.....	.05	.10
Blanche Ferry , pink and white.....	.05	.10
Blushing Beauty , delicate pink.....	.05	.10
Boreaton , bronze, crimson and purple.....	.05	.10



PKT. OZ.
 Stanley, rich dark maroon, handsome..... .05 .10

Sweet Peas in Mixtures.

Golden Gate Mixture, containing twenty-five of the finest Eckford and other new and choice large flowering varieties; (our own mixture) will be sure to please. Per lb. \$1.00; oz. 15c; pkt. 10c.

Eckford's New Mixed, a mixture of Eckford's choicest varieties. Will astonish and delight every one. Per lb. 75c; oz. 15c; pkt. 10c.

Choice Mixed, many choice colors; will make a beautiful display. Per lb. 35c.; pkt..... .05

Sweet Peas in Collections.

One packet each of six named varieties.. \$0.25
 One packet each of twelve named varieties..... .50
 One packet each of twenty kinds, including packet of "Cupid"..... .75

Double Sweet Peas.

A new race of Sweet Peas producing double flowers. The type is not yet thoroughly established, and as the strains now presented produce but 20 to 30 per cent. double flowers, we do not offer them.

SWEET WILLIAM—(Dianthus Barbatus.)

A bed of the finer varieties sports into an endless variety of colors, and presents a beautiful sight. For display in the garden, the Sweet William unsurpassed. The seed can be planted very early in the spring in open ground and will blossom the following autumn; or it can be sown in August and will make fine blooming plants for spring. The plants will bloom several years, but young plants will bloom better, and seed should be sown every year. Hardy perennial, one and a half feet high.



SWEET WILLIAM.

Sweet William, Single White. (Dianthus Barbatus Albus), per oz. 25c..... .05
Sweet William, Single, mixed, per oz. 25c.... .05

TROPAEOLUM MINOR. See Dwarf Nasturtium.

TROPAEOLUM { LOBBIANUM, } See Tall Nasturtium.
 { MAJUS, }

EMILY HENDERSON.

	PKT.	OZ.
Butterfly, white and lilac.....	\$0.05	\$0.10
Captain of the Blues, purplish claret; wings lighter, shading to pale blue.....		
Cardinal, crimson scarlet.....	.05	.10
Countess of Radnor, delicate lavender.....	.05	.10
Delight, white flushed rosy pink.....	.05	.10
Dorothy Tennant, rosy heliotrope.....	.05	.10
Emily Henderson, beautiful pure white.....	.05	.10
Extra Early Blanche Ferry, color same as Blanche Ferry; 10 days earlier, of dwarf habit; profuse flowering.....	.05	.10
Fairy Queen, pinkish white, delicately striped with crimson.....	.05	.10
Firefly, intense glowing crimson, scarlet.....	.05	.10
Gaiety, white, lilac and rose striped.....	.05	.10
Gray Friar, Pale purple on white ground; distinct, beautiful.....	.05	.15
Juniata, pure white, delicately lined and striped with pale lavender.....	.05	.15
Invincible Scarlet, bright scarlet.....	.05	.10
Katherine Tracy, solid brilliant pink; the finest pink in existence.....	.05	.10
Lady Penzance, laced pink, touched with gauze; wings darker purer pink.....	.05	.10
Lemon Queen, bluish white, shaded lemon.....	.05	.10
Lottie Eckford, white, edged lilac; beautiful.....	.05	.10
Mrs. Sankey, pure white, fine.....	.05	.10
Nellie Janes, pink and white; early.....	.05	.10
Orange Prince, bright orange, flushed pink.....	.05	.10
Painted Lady, rose and bluish white.....	.05	.10
Primrose, pale primrose yellow.....	.05	.10
Princess of Wales, white, shaded and striped with purple.....	.05	.10
Queen of the Isles, white, striped rose and crimson.....	.05	.10
Ramona, creamy white, flaked with soft pink.....	.05	.15
Red Riding Hood, rosy pink, shading to bluish white at the calyx; very fragrant; entirely distinct; new.....	.15	...
Senator, shaded and striped, chocolate purple and white.....	.05	.10

VERBENA.



VERBENA.

No plant is more generally cultivated, or more eagerly sought after than the Verbena, and no plant excels it for masses in beds on the lawn. In the varieties may be found every color except yellow. They flower perfectly well from seed sown in spring. If sown in open ground in May they will bloom in August, but if started in the house, in pots, in winter, they will be in bloom sooner. Half-hardy perennial trailer; one foot high.

Verbena, Hybrida, Mammoth. has flowers nearly twice as large as the ordinary sorts, of very brilliant colors and large distinct eyes. The plants are vigorous growing and very free flowering, per oz. \$2.50..... .10

Verbena, Hybrida Candidissima. pure white; large trusses of snow white flowers..... .10

Verbena, Hybrida, fine mixed; seed saved from a beautiful collection, per oz. \$1.50..... .05

Verbena, Citriodora, (Aloysia).—Lemon Verbena. A universal favorite. Lemon scented foliage..... .10

VIOLET (Viola.)

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Double violets' do not



VIOLET.

seed. Hardy perennial; six inches high. The seed germinates very slowly.

Violet, Single, Sweet Scented. (Viola odorata semperflorens). Flowers blue..... .10

WALL FLOWER—(Cheiranthus Cheiri.)



WALL FLOWER, GERMAN DOUBLE.

The large massive spikes of the Wall Flower are very conspicuous in beds and borders, and are very useful in making bouquets. They are deliciously fragrant and combine many shades of color. Tender perennial; one and a half feet high.

Wall Flower, Fine German Double, mixed..... .10

Wall Flower, Single, mixed, per oz. 40c..... .05

ZINNIA.

No flowers are more easily grown from seed in the open ground, and few bloom so continuously through the summer and autumn as the Zinnia. They grow two feet high and bear flowers of immense size, perfectly double, and as perfect in form as Dahlias. Hardy annual.

Zinnia, Elegans, fl. pl. Tall Double, mixed. Perfectly double flowers of grand form, large size and brilliant colors, per oz. 30c. .05

Mixed Flower Seed, (for a wild garden) per oz. 10c..... .05

Collections of Flower Seeds in Packets.

STRICTLY OUR OWN SELECTION.

Where the selection of Flower Seed is left to us, we make up collections of choice varieties of easy culture and free blooming habit, at the prices named below.

These collections will invariably be found very satisfactory, particularly to those purchasers who are not familiar with the different varieties listed.

Collection No. 1—12	Choice Annuals, distinct varieties.....	\$0.50
“ 2—18	“ “ “.....	.75
“ 3—25	“ “ “.....	1.00
“ 4—6	Varieties Choice Asters.....	.50
“ 5—6	“ Choice Pansies, separate colors.....	.40
“ 6—10	“ Pansies, including one packet “Greater Cleveland” Pansies.....	.75

BULBS.

For Summer and Autumn Blooming

Postage.—If desired by mail, add to catalogue prices, 5c. per dozen bulbs for Tuberous-rooted Begonias; 10c. per bulb (first size), and 5c. per bulb (second size), for Caladium Esculentum; 5c. per plant for Cannas; 3c. per bulb for Lilies; 10c. per doz. bulbs for Gladiolus, Tuberoses and Madeira Vines. Unless postage is included with the order, bulbs will be forwarded by express at expense of purchaser.

TUBEROUS ROOTED BEGONIAS.

Tuberous-rooted Begonias are among the handsomest and most popular of our summer-flowering bulbs, both for planting in the open border for summer decoration, and for growing in pots for the greenhouse, conservatory or sitting room. Nothing can excel the brilliancy of their colors, the delicacy of their tints, the richness of their waxy flowers and their graceful appearance in beds or borders.

Giant Flowering Varieties.

Single, White	Each	\$0.15	Per Doz.	\$1.50
Pink	"	.15	"	1.50
Scarlet	"	.15	"	1.50
Yellow	"	.15	"	1.50
Mixed	"	.10	"	1.00
Double	"	.20	"	2.00

CALADIUM ESCULENTUM.

(Elephant's Ears.)



CALADIUM ESCULENTUM.

A very effective plant and suitable for either a single plant on the lawn, masses in beds, or for margins of water; its very distinct apron-like leaves often attain the length of three feet by twenty inches wide. Bulbs can be stored in dry sand in winter and kept from year to year.

Extra Large Bulbs, four to six inches in diameter, each 30c. to 50c.

First Size Bulbs, two and one-half to three inches in diameter, 15c. each, \$1.50 per doz.

Second Size Bulbs, one and one-half to two inches in diameter, 10c. each; \$1.00 per doz.

EVER-BLOOMING FRENCH CANNAS.

Nothing is more effective for grouping on lawns or for large beds in parks than these ever-blooming Cannas. They commence flowering very soon after being planted out in the ground and continue until stopped by frost in the fall. Grown as pot plants they make beautiful, showy specimens for the porch during summer, and if taken into the conservatory or window garden before frost will continue to bloom all winter.

Collection of the Best Standard Varieties.

The varieties offered in this collection are standard, well tried sorts. We can recommend them for all purposes, especially for massing in large quantities.

We furnish only started plants, well rooted and ready for rapid growth from the time they are planted out, which will be in this latitude about May 20th to 25th. They will prove to be more satisfactory than dormant roots.

Alphonse Bouvier.—This is one of the finest varieties ever introduced. It is a remarkably luxuriant and free grower, and for out door bedding is the grandest of all Cannas. In rich ground with good cultivation attains a height of six to seven feet. In color it is a rich brilliant crimson. Foliage, rich deep green, each..... .15

Chas. Henderson.—A grand variety introduced three years ago. The flowers are a deep rich crimson, borne in compact symmetrical heads above a rich green foliage. In habit of growth the plant is compact and uniform, and rarely exceeds a height of three and one-half feet, making it a desirable companion to such varieties as Florence Vaughan and Madam Crozy, each... .15



DWARF FRENCH CANNA.

Egandale.—An especially valuable bedding variety with dark foliage and strong, compact flower spikes; color cherry red. It is of compact, uniform growth, attaining a height of four feet, each..... .15

Explorateur Crampel.—Foliage green; flowers of good size borne in large heads, well above the foliage; color a clear vermillion scarlet, tinted with crimson spots distributed evenly over the petals, each..... .15

Florence Vaughan.—Undoubtedly one of the finest yellows ever sent out; in color it is a rich golden yellow, spotted with bright red. The flowers are of largest size, great substance, perfect form and are borne in large heads and in the greatest profusion. The foliage is massive and of a rich green color; the plants rarely exceed three feet in height, each..... .15



QUEEN CHARLOTTE.

- J. D. Cabos.**—One of the most distinct of the Cannas. Dark greenish maroon foliage, with a bronze metallic lustre; flowers very bright orange, tinged with apricot. A fine grower and a very early profuse and continuous bloomer. 4¼ ft. high. In foliage and flower it is unsurpassed, each..... .15
- L. E. Bally.**—Flowers very large, with broad, heavy petals; color light canary yellow spotted with orange, each..... .15
- Madame Crozy.**—Plant is of vigorous growth, yet very dwarf in habit, rarely exceeding four feet in height. Foliage is very massive and of a rich green; flowers are of deepest vermilion, bordered with golden yellow; they are produced in large branching stems, closely set with blossoms which follow each other so rapidly that the plant is always in bloom, each15
- Paul Marquant.**—One of the most pleasing and beautiful on account of its large size and an entirely distinct novel color. The flowers stand out from the spike in such a manner as to attract special attention. Color, bright salmon scarlet, shading to carmine; the foliage is of a dark green and its habit very dwarf, growing from three to three and one-half feet high, each15
- Queen Charlotte.**—Entirely distinct in markings from any other variety. The flowers are large, with well rounded petals of intense scarlet crimson, and a broad rich golden yellow border. The flower spike, which is full and well formed, stands well above the leaves. The plant is handsome, with broad bluish green leaves; a sturdy compact grower and profuse bloomer; attains a height of about three feet, each. .15
- One of each of these Grand French Cannas for \$1.25.

GLADIOLUS.

The Gladiolus is the most beautiful of the Summer Bulbs, with tall spikes of flowers, two feet or more in height, often several from the same bulb. The flowers are of almost every desirable color.

The culture is very simple; they thrive in almost any good soil, except a stiff clay, require full sunlight, and are only liable to injury from rank manure. Plant the bulbs six to nine inches apart; the large ones four inches and the small ones two inches deep. Make an early planting of the smallest bulbs first, as soon as the ground is sufficiently dry and warm, and continue to plant at intervals of two weeks during the spring and early summer. In this way a succession of bloom may be had from midsummer until frost. In autumn, before freezing, they should be dug and dried, the earth and old roots removed, and then stored in a cool, dry place, secure from frost until spring.

NAMED GLADIOLI.

Three Grand New Sorts.

- May.**—Makes a large spike of well expanded flowers; very prolific, producing two and frequently more spikes from a single bulb. Flowers are large and of great substance; color white ground, delicately touched with pink, the lower petals penciled with a peculiar light brown10
- Bertha.**—The grandest variety of its color ever introduced. Grows tall, erect, and makes a long spike. The flowers are set close together on the stem and form a solid mass of color, which is a brilliant scarlet. Blooms early and continues late, making a long season..... .15



GLADIOLI.

Label.—This variety attracts marked attention, not only for its fine coloring, but for its upright habit. It is of dwarf growth, rarely exceeding a height of thirty inches. In color it is a carmine or cherry, shading

to delicate pink at the center of the flower, and with small crimson stain on bottom of the cup. Very early..... .10
 One Bulb each of the above three grand Gladioli for 25c.

Eugene Scribe—One of the best varieties. Spike large and branching; flowers wide and perfect; tender, rose blazed with carmine. Each 10c.; per doz. \$1.00.

Marie Lemoine—One of the best of the Lemoine strain. Upper division of flowers a pale, creamy color, flushed salmon lilac, the lower petals spotted purplish violet, bordered canary yellow. Each 5c.; per doz. 50c.

Snow White.—The best white variety; the flowers are of fine shape, large size, pure paper white color. Spike large, and thickly set with flowers. Each 20c.; per doz. \$2.00.

One each of the above six kinds, 50c.

Fixed Gladioli.

Lemoine's New Hybrids.—A remarkably beautiful class, with peculiar markings and gay colors; two or three weeks earlier than other sorts. Best mixed, containing every shade and color imaginable. Each 5c; per doz. 50c.

Cushman's Seedlings.—Splendid strain; scarcely two will be alike, and a hundred taken without selection will produce as many fine blooms as can be gathered promiscuously from as many named sorts. Each 5c.; per doz. 50c.

	Each.	Doz.	100.
Shades of Red mixed.....	\$0.03	\$0.30	\$2.00
White and Light mixed.....	.05	.40	3.00
Yellow mixed.....	.04	.40	3.00
Pink, Striped and Variegated.....	.04	.40	3.00
Extra fine mixed, all colors.....	2 for 5c.	.25	2.00

LILIES.



The Lily has been, with eminent propriety, styled the "Queen of Flowers," and truly no flower conveys so adequate an idea of queenly beauty, majestic grandeur, and faultless pur-

ity as the Lily. Their culture is simple, and with a little care failure is impossible. The bulbs should be planted in spring, as soon as frost is out of the ground until the first of May; the earlier the better. Select a well drained spot, dig the soil deep and make it fine, enriching it abundantly with very rotten cow manure and adding a liberal mixture of sand. Set the bulbs from three to five inches deep, according to size. During the winter it is advisable to cover the surface of the bed with a thin layer of manure, which will not only afford a slight protection to the bulbs, but will materially enrich the soil. In spring the manure may be removed or dug in between the rows. Care should be taken that they have proper drainage, no water being allowed to stand around the roots. Once firmly established, they should not be disturbed oftener than once in five years.



THREE GRAND JAPAN LILIES.

Imported direct from Japan. Our stock is as fine as can be secured anywhere, and will be sure to give best results.

Auratum. (Golden Banded Lily of Japan). This magnificent Lily succeeds well everywhere. It is justly entitled to the name often given it, "The Queen of Lilies," as it is decidedly the most beautiful of all lilies. The immense flowers are produced in the greatest profusion, and are deliciously fragrant. In beauty of color and markings it surpasses all others. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. 20c. each; \$2.00 per dozen.

Speciosum Sorts.

One of the most desirable of all lilies for general cultivation. The varieties are distinct, graceful and free blooming. They are hardy, needing very little protection, and will grow and flower without any special treatment.

Album.—This is a pure white and very fragrant variety; 25c. each; \$2.50 per dozen.

Rubrum.—One of the best lilies. White, with band and spots of rose or crimson on each petal. The petals are beautifully recurved as shown in cut; 20c. each; \$2.00 per dozen.

One Bulb each of these three grand Lilies for 50 cents.

MADEIRA VINE.

Tuberous rooted climber, with glossy, green leaves, and delightfully fragrant white blossoms. Sometimes called "Mignonette Vine" It is of rapid growth, and from a few tubers, vines will be produced sufficient to cover one side of a cottage in a single season. The tubers are tender and must be protected from frost during winter. 5c. each; 50c. per dozen.

TUBEROSE.

The flowers of this well-known and popular plant are waxy white, double and so fragrant as to perfume the whole atmosphere for some distance around. They are useful in large bouquets, as single specimens, or for forming button-hole bouquets. Each bulb flowers but once, but the smaller bulbs can be set out for future flowering when their growth is complete. A good way to grow tuberoses is to fill five-inch pots half full of cow manure, and the remainder with good rich earth mixed with sand. Plant the bulbs in this in April, water moderately, and hasten growth by putting in a warm, light place. When weather has become warm, plunge the pots in the earth out of doors. They will usually flower before cold weather in autumn, if they do not, the pots can be brought in, and they will bloom in the house. The bulbs cannot be safely sent by mail before April 1st.



DOUBLE PEARL TUBEROSE.

Double Pearl.—This variety is characterized by its short, robust stem and long spikes of large flowers in great profusion, perfectly double and twice the size of the common Tuberose, while of equally delicious fra-

grance. 3c. each; 30c. per dozen, \$2.00 per 100.

Large Double.—A fine stock of well-known double Tuberose. 3c. each, 30c. per doz., \$2.00 per 100.

Albino.—Flowers single, pure white, star shaped, with recurved petals; flower spike large, often branched. 3c. each, 30c. per doz., \$2.00 per 100.

OXALIS, SUMMER FLOWERING.

They are charming for pots and hanging baskets, giving a graceful display of fine foliage and flowers.

The bulbs can be planted as early as May first and will produce quickly an unbroken row of elegant foliage and pretty flowers, that is maintained from early summer until late in fall. Per dozen 10c.; per 100 \$1.00.

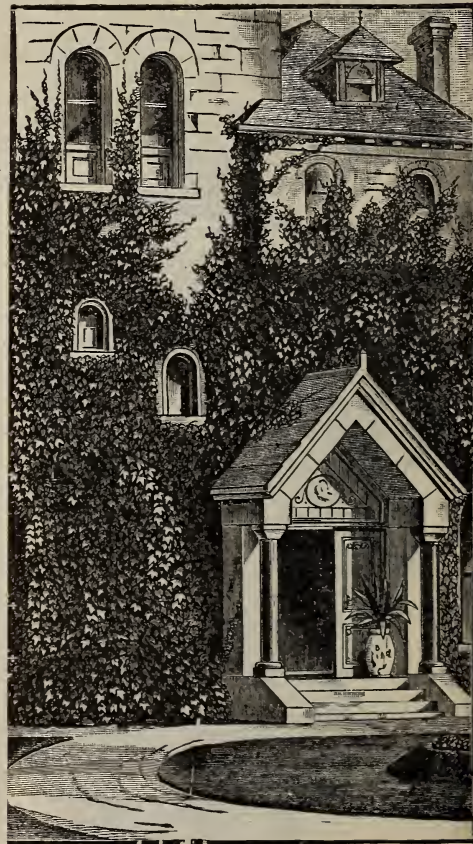
CINNAMON VINE.

A beautiful rapid climber with very large heart-shaped leaves. Perfectly hardy, the stem dying down every autumn, but growing in spring so rapidly as to cover any trellis or arbor very early in the season. Large roots 5c. each; 50c. per dozen.

BULBS FOR FALL PLANTING.

Holland and other Bulbous Roots.

Our Catalogue will be issued during September, and will be mailed on application.



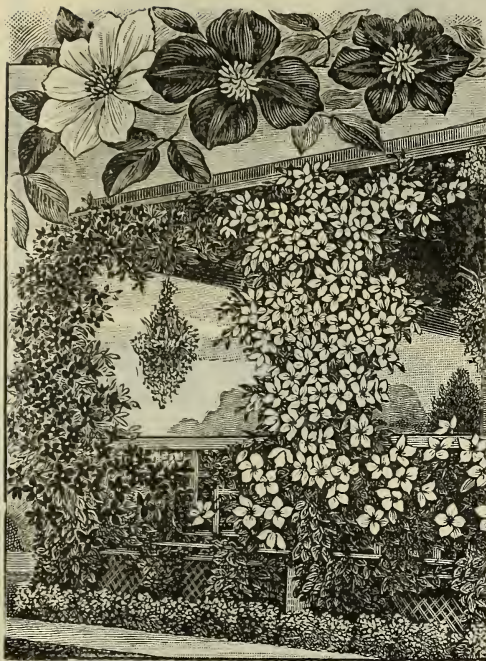
AMPELOPSIS VEITCHII.

BULB CULTURE.

An interesting and valuable book on the culture of bulbous plants; by Peter Henderson. 24 pages. Price, post-paid, 25 cents.

HARDY PLANTS AND VINES.

By express only; prices do not include prepayment.



PURPLE.] JACKMANII CLEMATIS. [WHITE.
 AMPELOPSIS VEITCHII. (Boston Ivy or Japan Ivy.)

No picture can portray the beauty of this great climbing plant. It is adapted to all situations, and transforms the humblest cottage. It is entirely hardy in the most exposed places, attaining a height of twenty to thirty feet in two or three years, clinging to stones, brick or woodwork with the tenacity of ivy. The leaves overlapping each other, form a dense sheet of green. For covering dead trees, rocks, walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. Splendid field grown plants, very large, three years old, 20 cents each; \$2.00 per doz.

CLEMATIS.

The Clematis is entirely hardy, and for covering large spaces quickly, is unrivaled. Blooms during the entire season, and embraces a great variety of color. Our list, while not extensive, includes the best varieties, such as we know to succeed best in our climate. The plants we offer are Holland grown, three and four years old; they are exceptionally strong, and will bloom with full vigor the first season. Plant any time from April to June. The plants must have a sunny location and good culture,

and should be pruned early in the spring. Many failures in the growing of Clematis are the result of too shallow planting; the crown of the roots should be set at least 3 inches below the surface of the soil.

Jackmanii.—A strong, healthy grower, and blooms with astonishing profusion from July to November, on shoots of present season. Flowers are of a deep velvety purple and very large.

Jackmanii Alba, pure white.

Madame Baron Viellard.—One of the strongest, most vigorous and free flowering varieties of Clematis. Flowers from four to five inches in diameter, and of perfect form. Light rose with lilac shading.

Viticella Kermisinus.—A splendid variety of wonderful profusion of bloom; flowers of medium size and of bright wine red color; a strong free grower.

Each 60c.; Set of four Varieties \$2.00.

HYDRANGEA. (Hardy Variety.)

Paniculata Grandiflora.—Few plants have the grace and beauty of this grand shrub. It grows in any soil, and blooms the first year it is set out; flowers abundantly, bearing large panicles of bloom, white at first, and changing to a deep pink as the season advances. Used largely in cemeteries. Field grown plants, two to three feet, 25 cents each; \$2.50 per doz.

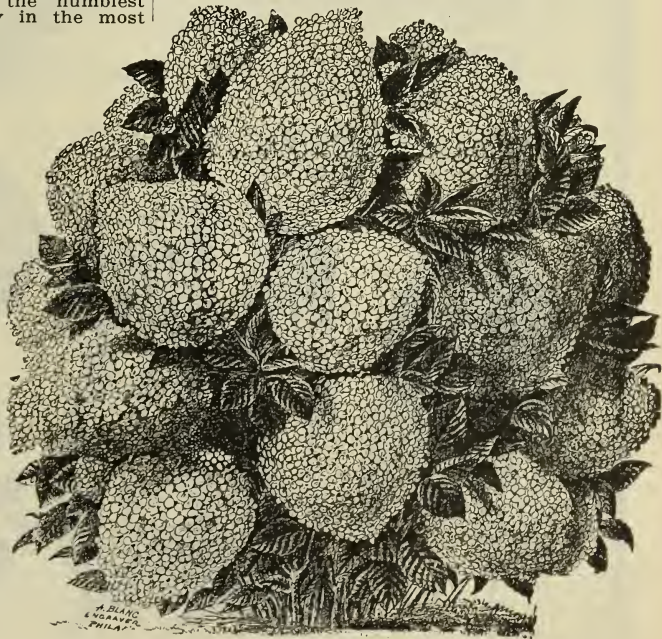
HERBACEOUS PÆONIES. (Hardy.)

Magnificent hardy plants, almost rivaling the rose in brilliancy of color and perfection of bloom. Some of the varieties are very fragrant. They require little or no care and produce larger and finer blooms when well established.

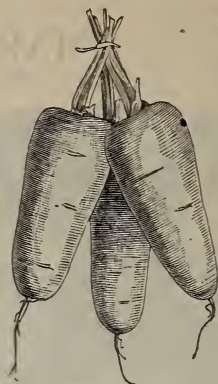
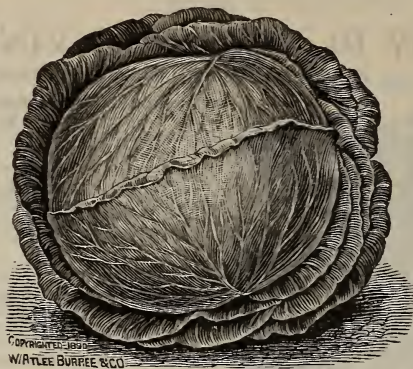
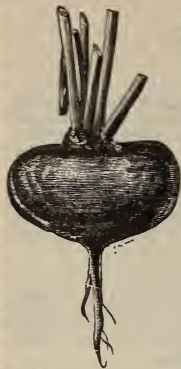
Officinalis.—This is known as the old double red; flowers are like crimson satin, large, double and fragrant; blooms very early. 30 cents each.

Madam Chaumy.—Satiny rose shading toward the edges. Very fragrant. 40 cents each.

Queen of the Whites.—Fine silky white; often six inches across, 45 cents each.



HYDRANGEA PANICULATA GRANDIFLORA.



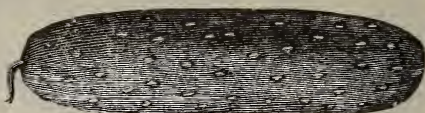
COPYRIGHTED 1899
W. A. TILLY BURFEE & CO.

OUR BARGAIN COLLECTION OF VEGETABLE SEEDS.

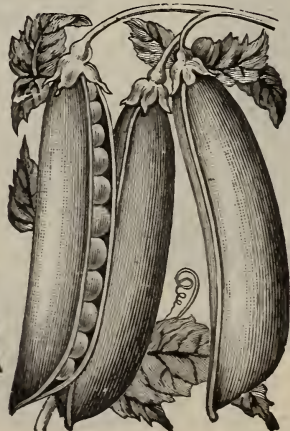
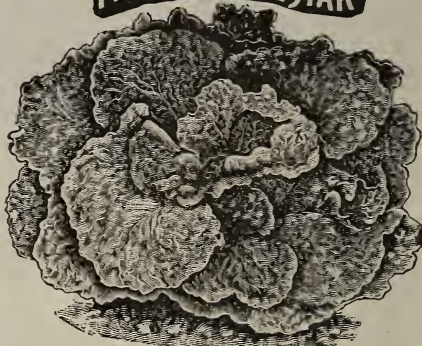
30 DISTINCT VARIETIES, \$1.00. BY MAIL, \$1.10.
A COMPLETE VEGETABLE GARDEN.

Large, full sized packets of the following well-known sorts:

- 1 pkt. Beans, Golden Wax
- “ Burpee's Bush Lima
- “ Beet, Crosby's Imp. Egyptian
- “ Edmund's Imp. Blood Turnip
- “ Cabbage, Burpee's All Head Early
- “ All Seasons
- “ Carrot, Chantenay
- “ Celery, Golden Self-Blanching
- “ Corn, Burbank's Early Maine
- “ Country Gentleman
- “ Cucumber, Imp. White Spine
- “ Lettuce, Tilton's White Star
- “ Denver Market
- “ Musk Melon, Jersey Belle
- “ Osage
- “ Water Melon, Sweet Heart
- “ Onion, Ex. Sel., Yellow Globe Danvers
- “ Parsley, Moss Curled
- “ Parsnip, Sugar or Hollow Crown
- “ Peas, Nott's Excelsior,
- “ Heroine
- “ Pumpkin, Calhoun
- “ Radish, Glass
- “ Early Long Scarlet
- “ Salsify, Mam. Sandwich Island
- “ Spinach, Victoria
- “ Squash, Improved Hubbard
- “ Tomato, Livingston's Beauty
- “ Turnip, Extra Early P. T. Milan
- “ Red Top White Globe



TILTON'S WHITE STAR





WE ARE CLEVELAND AGENTS FOR

BOWKER'S Special Manures, Fertilizers, Chemicals, Etc.

THEY ARE

SOLUBLE, ACTIVE, SURE.

Manufactured by the BOWKER FERTILIZER CO.,
Boston and New York.

The Bowker Fertilizer Company is the original and largest manufacturer of special fertilizers in the country, and its output amounts to more than 100 tons for every working day in the year.

A Complete Catalogue of Bowker's Fertilizers will be mailed free upon application.

STOCKBRIDGE (SPECIAL COMPLETE) MANURES.

These celebrated fertilizers are special fertilizers made for different crops or classes of crops; they not only go further and cost less per acre, but furnish to growing crops at the right time, in the right forms, and in the right proportions, all the elements they need for perfect maturity.

Potato Manure, Corn and Grain Manure, Grass Manure, Top Dressing, Seeding	Per Bag,	Per
Down Manure, Root Manure, Asparagus Manure, Celery Manure, Lettuce and	100 Lbs.	Ton.
Spinach Manure, Pea and Bean Manure, Cabbage and Cauliflower Manure.	\$2.25	\$45.00

Bowker's Potato and Vegetable Manure.—This is a high-grade fertilizer manufactured especially for potatoes, but will give good results on any other root crop. It is second only in analysis to our Bowker-Stockbridge Potato Manure. It is sold at a lower price than the Stockbridge brand, and is a popular potato fertilizer among those who have used it. The demand for it increases steadily, from which it is safe to say that it has given excellent results. Per sack, 200 lbs., \$3.75; per ton, \$33.00.

Bowker's Ammoniated Dissolved Bone.—A lasting fertilizer, returning to the soil what has been removed by crops. Especially valuable wherever a permanent manure is wanted. Per sack, 200 lbs., \$3.50; per ton \$30.00.

Bowker's Sure Crop Phosphate.—An active, effective fertilizer, differing from the preceding ones in this way: It contains less ammonia, but more Phosphoric Acid and fully as much potash. Since the Ammonia is less it can be sold at a lower price. Per sack, 200 lbs., \$3.25; per ton, \$29.00.

Bowker's Superphosphate, (with Potash).—An exceedingly valuable fertilizer for grain crops. It is made fine and dry, and consequently will feed readily from grain drills; neither does it cake up in the packages. Per sack, 200 lbs., \$3.00; per ton, \$26.00.

Bowker's Wheat Grower.—The name of this fertilizer indicates just what it is made for; namely, to grow wheat. Wheat needs a pure bone phosphate in connection with more or less potash, in order to mature a fine, plump kernel on Ohio soils; and this fertilizer supplies both in ample quantity. It will start off the crop quickly, giving it the growth it needs in the fall, so that it will "winter" well. Per sack, 200 lbs., \$3.00; per ton, \$26.00.

Bowker's Harvest Bone, (Dissolved).—A fertilizer that supplies a large amount of bone phosphate in the best form; namely, dissolved or treated with acid so as to make it available for the roots of the crop and easy of assimilation by the plants while they are growing. Being very active it gives the crop a good start, so as to better withstand a severe winter. Per sack, 200 lbs., \$2.75; per ton, \$23.00.

Bowker's American O. I. O. Bone Phosphate.—A mineral phosphate which has been dissolved with Sulphuric Acid in order to make it available. It is valuable for grain crops, and as it contains but 1 to 2 per cent Ammonia and Potash, can be sold at a lower price than any of the above. Per sack, 200 lbs., \$2.75; per ton, \$24.00.

Bowker's Dissolved Bone Phosphate, (with or without Potash).—The fertilizers which we have described above, contain ammonia; but in many parts of the country the soil is rich in organic matter, and does not seem to require ammonia in the fertilizer applied. So we offer this brand, which is phosphate of lime dissolved in sulphuric acid; or, in other words, the phosphoric acid is made soluble in water, so that the plant can take it up. The phosphoric acid enters largely in the formation of the grain kernel, and also stiffens the straw. On soils rich in organic matter a large grain crop cannot be raised because of the excess of organic matter, which causes an overgrowth of straw and root. Therefore, to insure a healthy and profitable crop of grain on such soils, this fertilizer will be found exceedingly valuable. As it contains no ammonia whatever, it also comes cheaper than any of the foregoing brands. Per sack, 200 lbs., \$2.25; per ton, \$21.00.

Hardwood Ashes, (from Canada).—Unleached and Unadulterated, "Nature's Plant Food." Every one knows the value of ashes. *They are no experiment.* As is well known, ashes are not a complete, balanced fertilizer. They lack ammonia and phosphoric acid, but they contain potash and lime, both of which are essential not only as plant food, but also as sweeteners of the soil and solvents of other plant food ingredients. So far as they supply potash and lime they are "nature's plant food." These things have been extracted from the soil by the trees and now we return them in the shape of ashes. They are considered especially valuable as a top dressing for grass land and lawns, and also for use in connection with stable manure, or where the soil is rich from previous manuring and needs something to quicken and sweeten it. 10 lbs., 25c; 25 lbs., 50c; 50 lbs., 75c; per bag, 100 lbs., \$1.00; per ton, \$18.00.

Nitrate of Soda, (95 per cent. Purity).—A fertilizer for all crops; valuable solely for the nitrogen it contains, equal to 20 per cent. of Ammonia. It is chiefly a stimulant, is very quick in action and hastens maturity of crops fully two weeks. Being extremely soluble should not be applied until the plants are above ground, when 100 to 250 lbs. per acre may be sown, mixed with wood ashes or land plaster for convenience in applying. Per lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50; per bbl., 200 lbs., \$6.50.

Peruvian Guano.—Peruvian Guano is one of the most powerful stimulants for plants and growing crops. For pot plants it should always be used as a liquid. $\frac{1}{2}$ lb. to 8 or 10 gallons of water, applied once a week. When used in a dry state should be mixed with loam or plaster, not with lime, ashes or clay, nor should it come in contact with growing plants. The quantity used per acre is 300 to 400 lbs. Ten per cent. Ammonia. Per lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50; 100 lbs., \$5.00.

LAWN FERTILIZERS.



BOWKER'S FINE GROUND BONE.

This bone is manufactured from the waste bone (chiefly the head bones) of the cattle and sheep killed at the Brighton slaughter-houses, where 1,500 to 2,000 animals are slaughtered daily, and is much superior to the so-called pure bone, which is made from weather-beaten bones picked up about old pastures and other places where they have lain and lost much of their value. It is practically raw ground bone, the only thing extracted from it being the grease, which is of no value as a fertilizer. After the grease is extracted, the bone is dried and ground in its pure state. Much of the bone which is sold nowadays has nearly all the glue extracted, which is like skimming the cream from milk; it is the richest part. Some manufacturers, after extracting the glue, reinforce their bone by grinding in hoof meal or horn waste, which supplies the ammonia that the glue has removed, and makes the bone show up better in the analysis, but these things are insoluble and worthless in the soil, and the bone therefore is not as good for fertilizing purposes.

Bowker's Bone is not treated in this way, but contains all the properties of raw ground bone, rich in natural ammonia and free from all adulterations of whatever kind or nature, and while it may not look so white or be so acceptable to the eye as bone from which the richest part, the grease and glue, has been extracted, it actually contains in value many dollars per ton more of available plant-food, and better results are derived from it. Per lb., 5c.; 10 lbs., 30c.; 50 lbs., \$1.25; 100 lbs., \$2.00; per sack, 200 lbs., \$3.50; ton, \$28.00.

BOWKER'S LAWN AND GARDEN DRESSING.

Chemistry has solved many problems, one of which is the manufacture, from clean chemicals, of an efficient substitute for stable manure as a dressing for lawns and gardens.

It is an odorless, dry chemical powder, containing all the enriching qualities of stable dressing in a form easy to apply, and in no way disagreeable to the most fastidious. It contains the same chemicals that are used in the preparation of baking powders and medicine. It is applied in a dry state, like wood ashes, and will produce a strong, compact turf, covered with a luxuriant healthy growth of rich green grass. Used in the garden, it produces beautiful flowering plants and delicious early vegetables. As it is made wholly from chemicals and by a chemical process, it is entirely free from disease germs and weed seeds; therefore it is a sanitary as well as a productive dressing. Bowker's Lawn and Garden Dressing is not a stimulant, but a perfect food for grass and other plants. What would cost ten dollars in a stable dressing can be furnished for at least three dollars in these concentrated chemicals, and will be fully as permanent and effective, and more cleanly and healthful. Special Circular Free.

Sample bag for 500 sq. ft. of garden or 1,000 sq. ft. of lawn.....	\$0.50
Sample bag for 1,000 sq. ft. of garden or 2,500 sq. ft. of lawn....	1.00
50-lb. bag for 2,500 sq. ft. of garden or 5,000 sq. ft. of lawn.....	1.75
100-lb. bag for $\frac{1}{8}$ acre garden or $\frac{1}{4}$ acre of lawn.....	3.00
200-lb. bag for $\frac{1}{4}$ acre of garden or $\frac{1}{2}$ acre of lawn.....	5.50

GRANULATED TOBACCO AND SULPHUR.

Tobacco as a fertilizer has been known for years, and its virtues are familiar to most people. It being a vegetable product, and undecayed, decomposition must take place after application, thereby making a gradual food for the grass or plant, tree or shrub, and one that will continue until all is consumed.

Being odorless and clean and without foreign seeds, it has no equal as a lawn-dressing. It is convenient in form, easy of application, and will not burn or injure the lawn. For garden or field purposes it is invaluable. There is no vegetable which cannot be successfully grown by it. On flowering plants of all descriptions it will produce a fine growth and luxuriant flower. In flower beds, or in potting plants, the granulated tobacco stems mixed with the soil, in a proportion of about one part to five of soil, will produce lasting effects for the entire season. It will destroy all grubs that infest potatoes and strawberries, and produce a large rapid growth. Application may be made at any time when frost is not in the ground, and the result will be almost immediate. It should be applied as follows: For lawns and grass lands, 50 lbs. per 1,000 sq. ft.; per acre, 1,000 to 2,000 lbs.; half a pint in a hill of potatoes or corn.

Per lb. 5c., 10 lbs. 30c., 50 lbs. \$1.25, bbl. of 200 lbs. \$5.00, per ton \$45.00.

“Planet Jr.” Garden Tools for 1897.

Space will not permit illustrating and describing all of the “Planet Jr.” tools, but we will gladly send a fully illustrated catalogue to any who desire it; and we can supply promptly anything ordered. “Planet Jr.” tools are standard machines, the best on the market. In sending your orders to us, you can rely on getting bottom prices.

The “PLANET JR.” No. 5 Hill Dropping Seeder.

This beautiful tool will be a delightful surprise to every gardener who tries it. It drops at 5, 6, 8, 10, 12, 16, 24 and 48 inches apart, and sows in a continuous row. It drops without injury; can be changed from hill to drill or from one distance to another very quickly, and without any changing of bolts, and without any loose wheels or parts so easily lost or mislaid; and a neat, clear index with brass screw regulator and quick cut-off is arranged most conveniently just at the top of the handle.

This new drill is a great favorite, too, because it is unusually large, holding three quarts, yet very light running withal; and it is also a model of simplicity, strength and durability. Its large capacity will suit all large growers, and yet it works so perfectly that it will sow a single paper of seeds or drop it in hills accurately, to the very last grain. In a word, no seeder has ever been made that compares with this newly perfected No. 5 “Planet Jr.”

Price,
\$12.00



Differs from the above in that it is of smaller capacity, holding three pints, and does not drop at so many different distances apart; however, it drops at all the most important distances, at 6, 9, 12, 18 and 36 inches. The index is just as accurate and plain, though being a combined tool it is not placed at the top of the handle. *It is like No. 5* in dropping in just the same way, just as accurately, and in handling the smallest paper of seed perfectly and to the last grain; has no loose parts and is simple, durable, and very light-running. The drill is quickly detached and the tool frame substituted. It then becomes a most admirable Single Wheel Hoe. Has a fine garden plow, two elegantly shaped, new-style hoes, three cultivating rakes, made new form and specially to fit 6, 9 and 12, and, using two at once, 14 and 16 inch rows; and a practical leaf guard.

Price, complete, \$10 00
As a drill only, 7.00

The “PLANET JR.” No. 4 Combined Hill Dropping Seeder and Single Wheel Hoe, Cultivator, Rake and Plow.



The “PLANET JR.” No. 15 Single Wheel Hoe, Cultivator, Rake and Plow.

This new Wheel Hoe has the advantage of a high wheel with broad face, of a convenient arrangement of the frame, and a very full set of tools, most of them being of new, special design, such as have been found to perform wheel hoe work in the very best manner. It also has the great advantage of being convertible into a hill dropping and row seeder, by buying the seeder attachment.

This attachment is quickly exchangeable for the wheel hoe frame; it is identical with the “Planet Jr.” Hill Dropping Seeder No. 4, and drops at 6, 9, 12, 18 and 36 inches apart.

Price, complete, = \$6.00
Without Rakes and Leaf Guard, - - 5.00
Plain, with Hoes and Rakes only, - - 4.00
Seeder Attachment, extra, 4.50



Send for “PLANET JR.” Catalogue.

It illustrates and describes all “Planet Jr.” tools.

WE SELL THEM ALL.



The "Planet Jr." No. 3
HILL DROPPING SEED DRILL.
Price \$9.00

"PLANET JR."
Hill Dropping Garden Drill.
Double Wheel, \$10.00

"PLANET JR."
Combined Hill Dropping
Seed and Fertilizer Drill.
\$16.00

"PLANET JR."
No. 2 Seed Drill.
\$6.50

"PLANET JR."
No. 1 Combined Drill,
Cultivator, Rake and Plow.
\$9.00

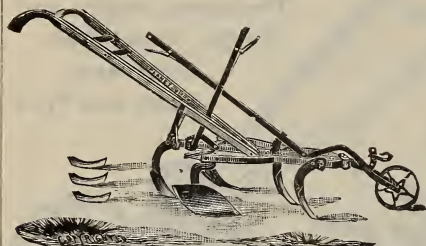
"Planet Jr."
Fertilizer and
Pea Drill.
NEW.
\$12.00

"PLANET JR." Double Wheel Hoe,
Cultivator, Rake and Plow.
Complete, - - \$6.00
Plain, with Hoes only, 3.50

"PLANET JR." Single Wheel Hoe,
Cultivator, Rake and Plow.
Complete, - - \$4.50
Plain, with Hoes only, 2.75

"FIRE FLY," Single Wheel Hoe, \$3.75
"FIRE FLY," Wheel Garden Plow, 2.00

"PLANET JR." EXTRAS AND REPAIRS.
We can furnish extras or repairs for any of
the "Planet Jr." Tools.
Send for Price List of Repairs.



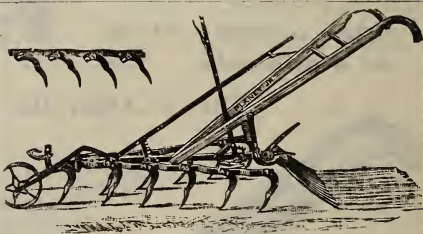
"PLANET JR." No. 6 Horse Hoe and Cultivator. Price \$6.75

"PLANET JR."
No. 5 Horse Hoe and Cultivator.
Has lever expander, but not lever wheel.
With Wheel, \$6.25
Without Wheel, 5.50

"PLANET JR."
No. 4 Horse Hoe and Cultivator.
Is without lever expander and lever wheel.
With Wheel, \$5.50
Without Wheel, 4.75



The "PLANET JR."
No. 8, All Steel
Horse Hoe and
Cultivator.
Price, \$7.50
Without depth
Regulator, \$7.00



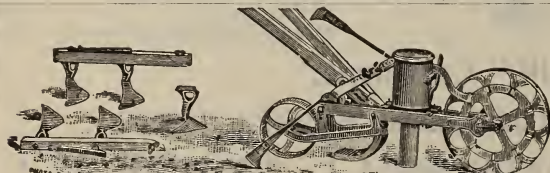
"PLANET JR." Twelve Tooth Harrow.

Price Plain, - - - \$4.90
With Wheel, - - - 6.15
Complete, - - - 7.50

MATTHEW'S GARDEN SEED DRILL.
A standard and well-known drill. It has been
improved from time to time and is now ack-
nowledged to be one of the most perfect drills
made. Price \$5.00

MATTHEW'S NEW UNIVERSAL GARDEN DRILL.
This drill is the same as the Matthew's Garden
Drill except that the frame is iron. It has the
patent indicator and new seed cut-off, and is
in every way a desirable tool. Price, \$5.50

**MATTHEW'S DRILL, CULTIVATOR
AND HOE, COMBINED.**



When used as a drill it possesses
all the features of the separate
Matthew's Drill, except it is of
a smaller size. Very efficient
either as a drill or cultivator.
Price, \$6.50

GARDEN TROWELS

CLEVES' ANGLE TROWEL.

A very handy trowel for removing weeds from lawns and for transplanting. It is very durable, the blade and shank being one solid piece of steel, set firmly in a nice handle, and made strong by its angle form. No. 1, 8 in., 25c; No. 2, 7 in., 20c; No. 3, 5 in., 15c.

Steel Garden Trowel.—A very durable trowel, being one solid piece of pressed steel, 15c each.



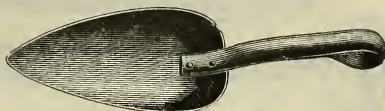
THE ORDINARY GARDEN TROWEL. cheap and useful. Six in., 8c each; 7 in., 10c each.

GARDEN SPOONS.

The handle is wrought iron and will not come loose or be spoiled if exposed to the weather. The blade is steel, which is vastly better than cast metal for working in the ground.



GARDEN SPOON NO. 1.



GARDEN SPOON NO. 2.

No. 1, size, 2 in x 5 in., with $\frac{3}{4}$ inch handle, for potting, etc., 10c each

No. 2, size, 3 in. x 6 in., with $\frac{3}{4}$ inch handle, for transplanting, etc., 12c each.

HAND WEEDERS.

Hazeltine Hand Weeder and Scraper.—The latest and best hand weeder for use either in the flower or vegetable garden. For onions and strawberries it is simply indispensable. It is rapid, easy and thorough in its work. The blade is $\frac{3}{8}$ inch wide, $\frac{1}{2}$ inch thick, solid steel, oil tempered, and has five sharp edges. Thirty cents each.

The Combination Weeder.—Combining as it does both rake and hoe, it is the most serviceable, durable and perfect weeder on the market. It is neatly and strongly made of malleable iron, and the blade is of the best steel; sharpened on both edges and points, which allows weeding close to plants. Thirty cents each.

Lang's Weeder.—This effective weeder is becoming more popular each year among gardeners and florists. It is well made and fits the hand so comfortably that the fingers are entirely free for use when ever necessary. Twenty-five cents each. Per doz. \$2.50.



NOYES' WEEDER.

A very convenient and useful tool, made of steel, well tempered. An old standard article; has been in use for many years. Twenty-five cents each.

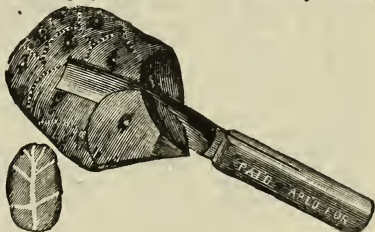
EXCELSIOR WEEDING HOOK.

A very useful tool for weeding flower beds or vegetable gardens. It will work well among plants, between rows or any place where freedom from weeds is desired. It removes weeds rapidly and does not injure the plants. Will pay for itself in one day's use. Ten cents each.

THE CONCAVE AND CURVED SEED POTATO KNIFE.

This knife is endorsed by planters everywhere, and thousands are now in use. Seed potatoes can be cut better, and time and money saved by its use. The blade is very thin and the right shape to divide the potato into one, two or three eye pieces very rapidly without cracking the tuber or injuring the vitality of the germs.

Full directions for using accompany each knife. Thirty cents each.



PRUNING SHEARS.

THE LEVIN PRUNER.

The strongest hand shear made. Makes a clean, smooth cut and does not bruise or tear. For all kinds of pruning it is very efficient. It is made of the finest steel, is self-sharpening and very convenient. EACH.

No. 1.—7 inch, cuts $\frac{1}{2}$ -inch dry oak.....\$1.00

No. 2.—9 inch, cuts $\frac{3}{4}$ -inch dry oak..... 1.25

Sandusky—Solid steel, 8 $\frac{1}{2}$ inch and 9 $\frac{1}{2}$ inch..... 1.50

Common—Malleable with steel blade, 8 $\frac{1}{2}$ inch... .45



Goldman's Atomizer.—For applying liquid solutions to destroy insects on plants, and for disinfecting and deodorizing rooms. It is also useful for sprinkling house plants, clothes, carpets, or wherever a fine spray is required. Forty cents each.

Dibbles.—For transplanting vegetable plants. Large size 50c each; medium size 40c each.

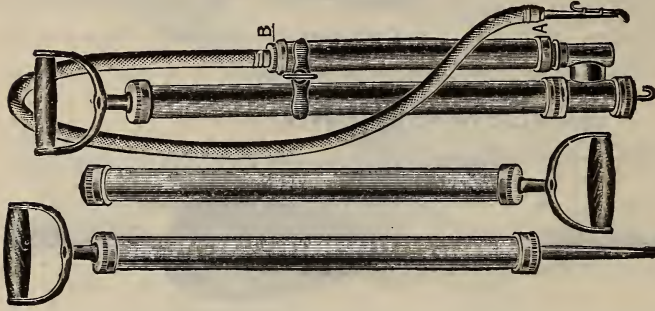
Acme Plaster Sifter.—For applying plaster and powder insecticides on potatoes and other vines. It is simple and durable; easy to operate. 50c each.

Livingstone's Tie-Joint Tomato Frame.—Will last for years; can be put together instantly; when taken apart can be stored in the smallest possible space; gives the plant a solid support without cutting the vines. Fifteen cents each; \$1.75 per dozen.

Scollay's Rubber Plant Sprinkler.—Indispensable for floral work; useful for spraying house plants; holds 2-3 pint. 80c each.

THE NEW WONDER SPRAY PUMP.—WITH AIR CHAMBER.

THE Best, Cheapest and Easiest Working First-Class Spraying Outfit in the World. Price, express paid, \$6.00. Is personally endorsed by the leading entomologists and Agriculturists of the United States.



Is a combination of three complete brass machines, as shown in cut. All the parts screw together, and can be taken apart or put together instantly, and any part can be duplicated at any time and warranted to fit. It has automatic mixer and barrel attachment and is fitted with patent spray nozzle, which can be changed

from solid stream to fine or coarse spray instantly, while pumping. It is impossible to clog this nozzle. As a spray pump it has ample capacity for orchards of from 8 to 10 acres, and will do your work just as well as a higher priced pump. The central machine in this cut is an **Agricultural Syringe**, or **Potato Bug Exterminator**, with which a man or boy can spray from 8 to 10 acres of potatoes per day. The lower machine in cut is a **Veterinary Syringe**, and is something that every farmer should possess as it is often the means of saving the life of a valuable animal.

A valuable illustrated book on "Our Insect Foes and How to Destroy Them," given to each purchaser. The knowledge contained in this book is valuable, as it gives you just the information needed; tells you just the kind and quality of whatever poison is best adapted to rid your trees and vines of the different kinds of insect pests. Also gives illustrations of the different insects. Many of the illustrations show the insect at work.

THE LITTLE GIANT.

Price, \$7.00.

Express Paid.

THE LITTLE GIANT is the New Wonder Pump with lever attachment, which makes it much easier to operate for a considerable length of time. It also has the double mixer. The pump and air chamber are made entirely of brass and will last a lifetime.

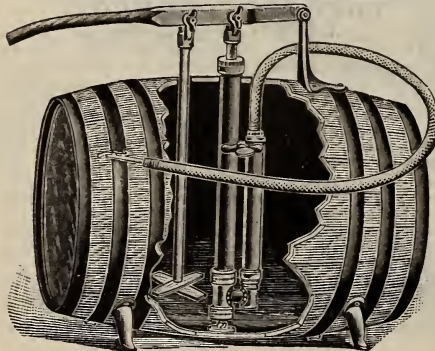
Has a straight-grained hickory lever instead of a cast iron lever which snaps off like a pipe stem at a slight blow.

The lever can be detached in one minute and the pump can then be used as a regular hand pump for washing wagons, windows, sprinkling lawns, or as an ever-ready fire extinguisher.

When the LITTLE GIANT is removed from the barrel it can be instantly converted into a veterinary syringe or an agricultural syringe, thus making three complete brass machines as illustrated above.



THE DEFENDER.



The Defender, a powerful all brass spray pump with two lines of hose, has been constructed with a view to meeting the constantly growing demand for a Powerful Brass Spray Pump, for doing a great amount of work with ease and dispatch. It is the best, cheapest, easiest-working and the most powerful Brass Spray Pump in the world. It is air tight and yet can be taken apart without tools.

Price including two 5-ft lines of hose, two spray nozzles, stop cocks, etc., freight paid, \$10.00. Price fitted to barrel ready for spraying as shown, \$11.50.

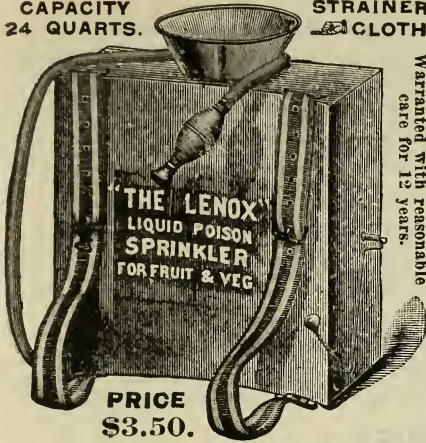
Any of these spraying outfits is fully warranted for three years, and is guaranteed to give absolute satisfaction or money refunded.

THE LENOX IMPROVED KNAPSACK SPRAYER.

CAPACITY
24 QUARTS.

STRAINER
CLOTH

Warranted with reasonable
care for 12 years.



PRICE
\$3.50.

For applying poisonous liquids, such as Paris Green water, etc., on grape vines, trees, bushes, potatoes, garden vegetables, etc. It is made of galvanized iron and is fitted with adjustable straps and bail, so can be carried on the back or by the hand, as desired. Can be adjusted to fit a man or boy of any size. Weighs, when full, 50 pounds. The liquid which flows through the rubber tube is forced out in a fine spray by pressing the rubber bulb held in the hand. This spray will reach to 15 feet; it is distributed very evenly, covering every leaf as if by fog or dew.
Extra Hose and Bulb attachments, \$1.50.
Extra Roses for wide or narrow spray, 50c. each.



INSECT DESTROYERS.

Hellebore, Pure Powdered White.—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than London Purple and Paris Green, and safer to use when fruits or vegetables are nearly ripe. Per lb. 25c.

Lo don Purple.—One of the best destroyers for insects. It is less dangerous than Paris Green, but equally efficacious, and more soluble in water. 1 lb. boxes, per box, 25c; 5 lb. boxes, per lb., 20c.

Paris Green, Pure.—Valuable for destroying potato bugs. Very poisonous but invaluable on the farm or garden. Per lb. 30c.

Tobacco Stems.—Indispensable for fumigating greenhouses and conservatories. Per lb. 5c., per bale of 50 lbs. 1.00.

Flour of Tobacco and Sulphur, (Rose Brand).—A valuable insecticide for Plants, Trees, Sheep, Cattle, Dogs, Horses, Poultry and domestic use. It is not poisonous, and has the double advantage of being a fertilizer as well as an insecticide. It will prevent and cure mildew on grape vines and rose bushes; will destroy the green and black fly, grubs, cut worms, lice, and the eggs of insects, mealy bug and vine bugs of all kinds. It is said to be a sure cure for the green cabbage worm. Small size package 25c., large size package, 50c. (Circulars free.)

Whale Oil Soap.—An effectual remedy for destroying and preventing insects on plants, trees, vines, etc., and for washing down the barks of trees, grape vines, etc. In pasteboard boxes, ¼ lb box, 5c; ½ lb. box, 10 c.; 1 lb. box 20c.

BOWKER'S

Ammoniated Food for Flowers.

The Original and Most Concentrated HOUSE PLANT FOOD
Manufactured in this Country.

A fertilizer made from chemicals and prepared especially for plants grown in the house, garden or conservatory. It is clean, free from odor, harmless to use, largely soluble in water, and produces healthy plants free from vermin, and early abundant blossoms, to which it imparts a rich and brilliant color. Will keep any length of time. It is used by thousands of housekeepers and florists all over the country.

Prof Maynard's little book, "Window Gardening," free with every package.

PRICES. Small size package, containing sufficient plant food for 20 plants for three months, 15c. Large size package, containing sufficient plant food for 20 plants for 1 year, 25c. Full directions with every package.



VEGETABLES FOR THE HOME GARDEN.

A Complete Guide to the Vegetable Garden. Price, postpaid 10 cents.

It is a brief, clear and reliable book of 125 pages, illustrated with more than 75 engravings, including a map of the Life Zones of the United States—the first map of the kind ever published in a work on gardening.

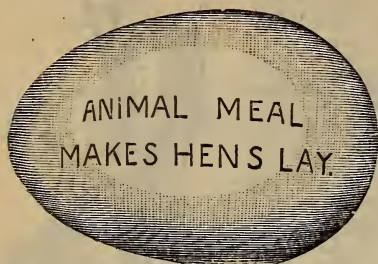
In addition to the latest and best methods of cultivation, it gives, so far as is known, the geographical distribution of species from which our cultivated vegetables have been derived. The book is divided into two parts, with an appendix containing much tabulated information of daily interest to all gardeners.

PART FIRST treats of the Location and Management of the Home Garden, Soils, Drainage, Manuring, Composting, Concentrated Manures, Hot-beds and Cold-frames, Selection of Seed, Preparation and Planting, Climate, Geographic Distribution of Plants and Animals, and briefly describes the Seven Life Zones of North America.

PART SECOND gives the Distribution of Aboriginal Species, contains accurate and complete Cultural Directions for all Culinary Vegetables, with Notes on Varieties and Time Required from Planting until Vegetables are Ready for Use or to Maturity.

In the Appendix are revised and corrected Planting Tables for Vegetables, Grass and Forage Crops, Weights of Agricultural Commodities, Formulas for Insecticides and Fungicides, and Tables of Annual Rain-fall for all the States of the Union.

POULTRY FOOD, ETC.



Bowker's Animal Meal for Fowls and Pigs.—It is not a medicine but a true egg-producing, flesh and bone forming food, and supplies just what laying hens and growing chicks require, and takes the place of all other animal food as well as ground bone or crushed oyster shells. It is prepared from fresh meat and fresh bones carefully selected, dried and ground to a sweet meal. It should never be fed dry or alone, but should be fed in connection with other foods made into a mash. Ask for pamphlet called "The Egg." It is a valuable little book, treating upon the care of poultry. Per lb, 5c, 10 lbs. 40c, 25 lbs. 75c, 100-lb bag \$2.50.

CRUSHED OYSTER SHELLS.

One of the most important articles for the poultry yard through the winter and should be liberally supplied to fowls to supply lime. It is a substitute for bone, being cheaper. Per lb. 2c, 10 lbs. 15c, 25 lbs. 30c, sack of 100 lbs. 75c.

GRANULATED BONE.

Is about the size of wheat or cracked corn, and can be fed like any other food in grain. About one handful for every five fowls, daily. It furnishes a valuable food for poultry at all seasons of the year. Per lb. 5c, 10 lbs. 40c, 50 lbs. \$1.50, sack of 100 lbs. \$2.75.

SUNDRIES.

Twine.—2 ply jute per lb. 10c.
 3 " " " 10c.
 4 " " " 10c.
 3 ply white cotton per lb. 18c.
 4 " " " 22c.
 Flax warranted free from jute, per lb. 25c.
 No. 1 hemp, 2 and 3 ply, per lb. 12c.
 Baling twine, per lb. 25c.

Marlin.—Tarred cord, used for making straw mats for hot beds, etc.
 2 ply per lb. 12½c., per 100 lbs. \$12.00.
 3 ply per lb. 12½c., per 100 lbs. 12.00.
 Grafting Wax.—¼ lb. package 10c., ½ lb. package 15c, 1 lb. package 25c.
 Grain Baags.—2 bu. each 15c., per 100, \$12.00.
 Market Boxes.—Holding 1 bu. pr. dz. \$1.50, 100 \$11

BOOKS ON AGRICULTURE, ETC.

Gardening for Profit. by Peter Henderson. Written particularly for the market gardener and truck farmer, yet is of equal value for large private gardens. New edition, entirely re-written, and greatly enlarged; 375 pages. Cloth, fully illustrated, price, postpaid, \$2.00.

"Vegetables for the Home Garden." A recent publication compiled and issued by W. Atlee Burpee & Co. It is indispensable to the beginner and useful even to the professional gardener. It is brief, clear and reliable. Contains concise cultural directions for all our common garden vegetables, gives the latest and best methods of planting, cultivation, varieties, etc. Paper, 125 pages; price, postpaid, 10c.

Bulb Culture, by Peter Henderson. Gives descriptions of bulbs, alphabetically arranged, with special cultural instructions for each; paper, 24 pages. Price, postpaid, 25c.

STANDARD FLOWER POTS.

SIZE.	EACH.	PER DOZ.	PER 100.	PER 1000.	SIZE.	EACH.	PER DOZ.	PER 100.	PER 1000.
2 inch	\$.01	\$.09	\$.55	\$ 4.50	7 inch	\$.08	\$.85	\$ 5.00	\$ 38.00
2½ "	.01	.11	.70	5.50	8 "	.12	1.15	7.00	60.00
3 "	.02	.12	.80	6.50	9 "	.16	1.75	11.00	90.00
4 "	.03	.25	1.40	11.00	10 "	.20	2.00	14.00	120.00
5 "	.04	.35	2.50	18.00	11 "	.25	2.50	17.50	150.00
6 "	.06	.55	3.50	25.00	12 "	.25	2.75	20.00	180.00

POT STANDS OR SAUCERS.

SIZE.	EACH.	PER DOZ.	PER 100.	SIZE.	EACH.	PER DOZ.	PER 100.
4 inch	\$.02	\$.20	\$.80	9 inch	\$.05	\$.50	\$ 3.60
5 "	.03	.25	1.15	10 "	.06	.60	4.50
6 "	.04	.30	1.75	11 "	.08	.75	5.50
7 "	.04	.35	2.25	12 "	.10	1.00	7.00
8 "	.05	.40	2.60				

Pots and Saucers are of white color except 2 inch and 2½ inch Pots, which are dark red. Can furnish 3 inch Pots in either color.

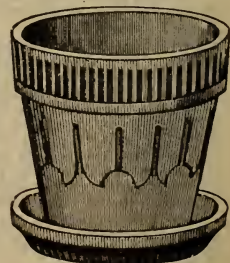
PAINTED POTS AND SAUCERS.

These are fancy Pots and Saucers beautifully painted. They are very ornamental, and prices are nearly as low as those of plain goods. These prices are for Pots with Saucers.

SIZE.	EACH.	PER DOZ.	PER 100	SIZE.	EACH.	PER DOZ.	PER 100
4 inch	\$.07	\$.60	\$3.40	8 inch	\$.18	\$1.75	\$11.50
5 "	.08	.75	5.50	9 "	.25	2.50	16.00
6 "	.10	1.00	6.50	10 "	.30	3.00	20.00
7 "	.15	1.40	8.25				

☞ 250 at 1000 rate. 25 at 100 rate. ½ dozen at dozen rate.

We have a large stock of Flower Pots, all sizes, constantly on hand, and will quote special wholesale prices on large quantities to Florists or Dealers.



VALUABLE TABLES.

Quantity of Seed requisite to produce a given number of plants and sow an acre of ground.

	Quantity per acre.		Quantity per acre.
Artichoke, 1 oz. to 500 plants	½ lb.	Hemp	½ bu.
Asparagus, 1 oz. to 200 plants	5 lbs.	Kale, 1 oz. to 3,000 plants	2 lbs.
Barley	2½ bu.	Kohl, Rabi, 1 oz. to 300 feet of drill	1½ lbs.
Beans, dwarf, 1 qt. to 150 ft. of drill	1½ bu.	Leek, 1 oz. to 250 feet of drill	4 lbs.
Beans, pole, 1 qt. to 200 hills	½ bu.	Lettuce, 1 oz. to 250 feet of drill	3 lbs.
Beet, garden, 1 oz. to 100 feet of drill	10 lbs.	Martynia, 1 oz. to 50 feet of drill	10 lbs.
Beet, Mangel, 1 oz. to 150 feet of drill	6 lbs.	Melon, Musk, 1 oz. to 100 hills	2 lbs.
Brocoli, 1 oz. to 3,000 plants	5 oz.	" Water, 1 oz. to 25 hills	3 lbs.
Broom Corn	10 lbs.	Nasturtium, 1 oz. to 50 feet of drill	10 lbs.
Brussels Sprouts, 1 oz. to 3,000 plants	5 oz.	Oats	2½ bu.
Buckwheat	½ bu.	Okra, 1 oz. to 50 feet of drill	10 lbs.
Cabbage, 1 oz. to 3,000 plants	5 oz.	Onion Seed, 1 oz. to 200 feet of drill	4 to 5 lbs.
Carrot, 1 oz. to 150 of drill	3 lbs.	" " for Sets	30 to 50 lbs.
Cauliflower, 1 oz. to 3,000 plants	5 oz.	Onion Sets, 1 quart to 20 feet of drill	8 bu.
Celery, 1 oz. to 10,000 plants	4 oz.	Parsnip, 1 oz. to 250 feet of drill	5 lbs.
Clover, Alsike and White Dutch	8 lbs.	Parsley, 1 oz. to 250 feet of drill	8 lbs.
" Lucerne, Large Red and Crimson Trefoil	8 lbs.	Peas, garden, 1 quart to 150 feet of drill	2 bu.
" Medium	10 lbs.	" field	2½ bu.
Collards, 1 oz. to 2,500 plants	6 oz.	Pepper, 1 oz. to 1,500 plants	4 oz.
Corn, sweet, 1 quart to 500 hills	8 qts.	Potatoes	6 bu.
Cress, 1 oz. to 150 feet of drill	8 lbs.	Pumpkin, 1 quart to 300 hills	4 qts.
Cucumber, 1 oz. to 80 hills	1½ lbs.	Radish, 1 oz. to 150 feet of drill	8 lbs.
Egg plant, 1 oz. to 2,000 plants	8 oz.	Rye	1½ bu.
Endive, 1 oz. to 300 feet of drill	3 lbs.	Salsify, 1 oz. to 60 feet of drill	8 lbs.
Flax, broadcast	½ bu.	Spinach, 1 oz. to 150 feet of drill	10 lbs.
Garlic, bulbs, 1 lb. to 10 feet of drill	2½ lbs.	Summer Savory, 1 oz. to 500 feet of drill	2 lbs.
Gourd, 1 oz. to 25 hills	2½ lbs.	Squash, Summer, 1 oz. to 40 hills	2 lbs.
Grass, Blue, Kentucky	2½ bu.	" Winter, 1 oz. to 10 hills	3 lbs.
" Blue, English	2½ bu.	Tomato, 1 oz. to 3,000 plants	3 oz.
" Hungarian and Millet	1½ bu.	Tobacco, 1 oz. to 5,000 plants	2 oz.
" Mixed Lawn, 1 lb. to 600 sq. ft.	3 to 5 bu.	Turnip, 1 oz. to 250 feet of drill	1½ lbs.
" Orchard, Perennial Rye, Red Top,	2 bu.	Vetches	2 bu.
" Fowl Meadow and Wood Meadow	2 bu.	Wheat	1 to 2 bu.
" Timothy	¼ bu.		

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

Dis. apart.	No. Plants.	Dis. apart.	No. Plants.
½ foot	174,240	6 feet	1,210
1 "	43,560	7 "	889
1½ feet	19,360	8 "	680
2 "	10,890	9 "	573
2½ "	6,969	10 "	435
3 feet by 1 foot	14,520	11 "	360
3 " 2 feet	7,260	12 "	302
3 " 3 "	4,840	15 "	193
4 " 1 foot	10,888	18 "	134
4 " 2 feet	5,444	20 "	108
4 " 3 "	3,629	25 "	69
4 " 4 "	2,722	30 "	49
5 " 5 "	1,742		

Weights of Various Articles in the State of Ohio.

Apples	per bu. 48 lbs.	Peaches	per bu. 48 lbs.
" dried	22 "	Peas	60 "
Barley	48 "	Plastering Hair	8 "
Beans	60 "	Popcorn	40 "
Buckwheat	50 "	Rape	50 "
Broom Corn	46 "	Rye	56 "
Blue Grass, Kentucky	14 "	Red Top Seed	14 "
" English	24 "	Salt, coarse	50 "
Bran	20 "	" Michigan	56 "
Canary Seed	60 "	Sweet Potatoes	50 "
Castor Beans	46 "	Timothy Seed	45 "
Clover Seed	60 "	Tomatoes	56 "
Corn, shelled	56 "	Turnips	60 "
" on ear	68 "	Wheat	60 "
Corn Meal	50 "	Beef and Pork per bbl., net	200 "
Charcoal	22 "	Flour per bbl., net	196 "
Coal, Mineral	80 "	White Fish and Trout, per bbl. net	200 "
Coal, Cannel	70 "	Salt, per bbl.	280 "
Coke	40 "	" Lime, per bushel	70 "
Cranberries	40 "	" Hay, well settled, per cubic foot	4½ "
Dried Peaches	32 "	" Corn, on cob, in bin,	22 "
Flax Seed	56 "	" Corn, shelled, " "	45 "
Hemp Seed	44 "	" Wheat, " "	48 "
*Hungarian Grass Seed	50 "	" Oats, " "	25½ "
Irish Potatoes, heaping measure	60 "	" Potatoes, " "	38½ "
Millet	50 "	" Sand, dry, " "	95 "
Malt	34 "	" Clay, compact, " "	135 "
Oats	32 "	" Marble, " "	169 "
Osage Orange	33 "	Seasoned Beech Wood, per cord	5,616 "
Orchard Grass	14 "	" Hickory, " "	6,960 "
Onions	50 "		

*In Chicago and all the other large seed markets of the country Hungarian is sold at 48 lbs. per bushel, so we are compelled to conform, and we buy and sell 48 lbs per bushel.



NEW GIANT WHITE SWEET PEA.—*Blanche Burpee.*