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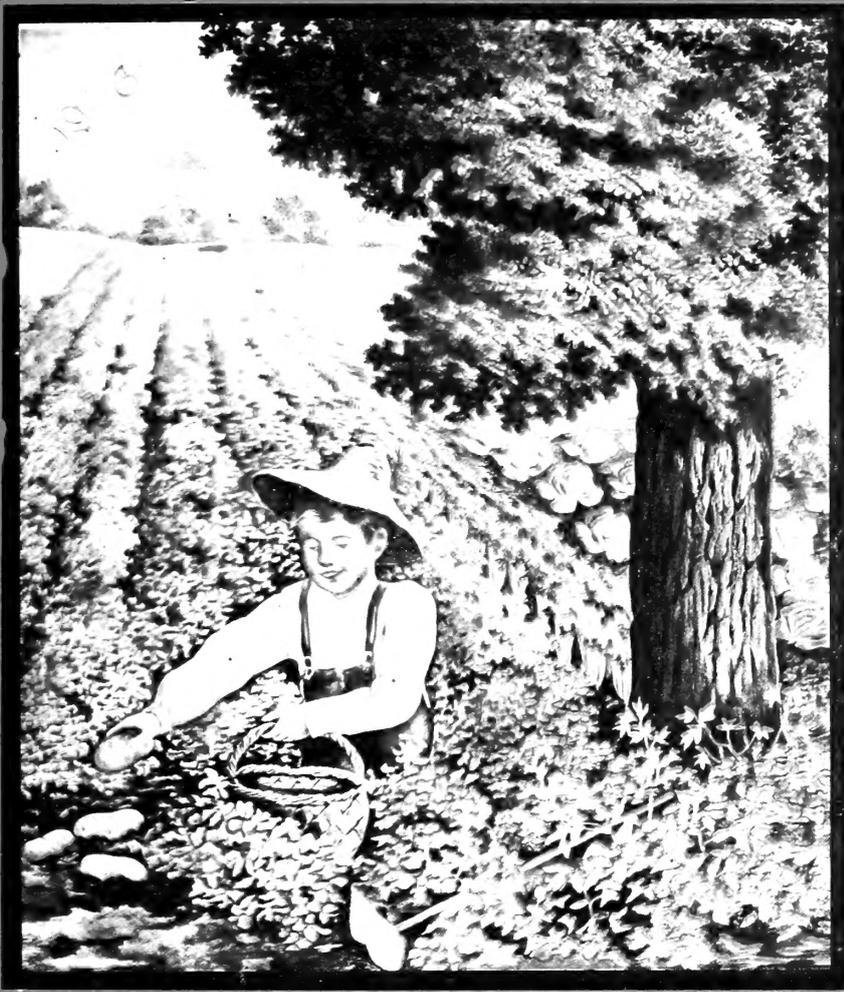


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SEEDS

for
1906 PLANTING



The **W. W. BARNARD CO.**
Seedsman

161-163 KINZIE ST.
 NEAR CLARK

CHICAGO

The Farmer's Vegetable Garden.



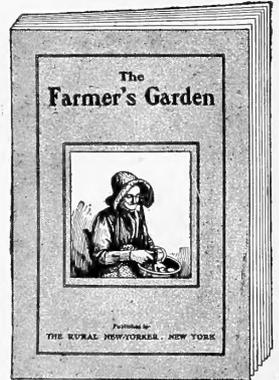
GOOD GARDEN is one of the best investments on the farm. It saves meat bills, grocery bills, and doctors' bills. The garden should give an abundant supply of vegetables for the table during the growing season and fill the cellar for the remainder of the year. Let us suggest to you two publications that will surely assist you either in farming or gardening.

Many of you read THE RURAL NEW YORKER. It is one of the best of the farm weeklies, \$1.00 per year. Its publishers have recently gotten out the book, "The Farmer's Garden." In this book, men and women who have made such gardens on their own farms, tell just how to do it. Laying out the ground, preparing the soil, varieties to plant and seeds required are given in detail. It gives plans for successive planting to insure a constant supply for the table and the instructions for cultivation and fighting of insect pests are clear and definite. There are no big stories or theories in this book. It is a plain record of how real farm gardens are made, told in easy and natural language. If you have a garden, this book will help you make a better one. If you have no definite garden plan, the book will be worth hundreds of dollars to you.

Our Special Offer. A Great Combination.

The Rural New Yorker weekly, for one year, **\$1.00**
 The Farmer's Garden **.75**
 Regular price **\$1.75**

Send a Money-order for **\$1.40** to The W. W. Barnard Co., and you will receive Book at once and The Rural a full year; or still better:



THE RURAL NEW YORKER, THE FARMER'S GARDEN and *Collection A*, postpaid, for **\$1.60**
 " " " " " " " " *B*, " " **1.90**
 " " " " " " " " *C*, " " **2.25**

A SPECIAL BARGAIN COLLECTIONS OF SEEDS.



Here are fourteen choice annuals selected as best for bouquets:
Aster, Sweet Alyssum, Agathe, Ageratum, Balsam, double mixed Calliopsis, Carnation, Margaret, Candytuft, Convolvulus, Minor, China Pinks, Nasturtium, Tall, Pansy, mixed, Sweet Peas, mixed, Zinnia, mixed. Entire 14 pkts. 25c

Beginners in gardening will find this a good collection to buy, as it contains the foundation of a permanent garden—annuals, biennials and perennials. It will make a grand show, not only this summer, but for years to come. Ageratum, Alyssum, sweet, Balsam, mixed, Candytuft, Empress, Canterbury Balls, Carnation, Margaret, Castor Beans, Centaurea, Clarkia, Columbine, mixed, Cosmos, mixed, Cypress Vine, mixed, California Poppy, Delphinium, perennial, Everlastings, mixed, Fox Glove, Forget-Me-Not, Gourds, ornamental, Gaillardia, Hollyhocks, Larkspur, mixed, Lupins, mixed, Marigold, Morning Glory, mixed, Nasturtium, dwarf, mxd., Pansy, bedding' Petunia, mxd., Phlox Drum'dl, Pink Chinese, mxd., Poppy, double, Portulacca, mixed, Salpiglossis, mixed, Sca,

FLOWER SEED COLLECTION
40 PKTS. "AN EVEN DOLLAR."

boisa, mixed, Stock, ten weeks, Sweet Peas, 1 oz., Sweet William, Verbena, mixed, Wallflower, mxd. Zinnia, mixed.

These Collections contain large pkts. of full size. **VEGETABLE SEED COLLECTIONS.** We can make no changes nor allow discount on them

25c. COLLECTION "A" 25c.
 TEN PACKETS, PREPAID, FOR TWENTY-FIVE CTS.
 Turnip—Prize Taker. Beans—Ex. Early Refugee.
 Radish—French Breakfast. Beet—Edmund's Bld. Turnip.
 Peas—Little Gem. Cabbage—Allhead Early.
 Tomato—New Stone. Cucumber—Siberian.
 Turnip—Purple top. Wh. Gl. Lettuce—Simpson's Curled.

50c. COLLECTION "B" 50c.
 TWENTY PACKETS PREPAID FOR FIFTY CENTS
 Beans—Extra Early Refugee. Water Melon—Phinney's early
 Beans—Imported Golden Wax. Onion—Prize Taker.
 Beet—Edmund's Bld. Turnip. Parsnip—Imp. Guernsey.
 Cabbage—Allhead Early. Peas—Little Gem.
 Carrot—Danvers Half Long. Peas—Everbearing.
 Celery—Dwf. Golden Heart. Salsify—Mam. S Island.
 Cucumber—Siberian. Radish—French Breakfast.
 Sweet Corn—Minnesota. Tomato—New Stone.
 Lettuce—Simpson's Cured. Turnip—P. Top. Wh. Globe.
 Musk Melon—Netted Gem. Radish—White Strasburg.

\$1.00 COLLECTION "C" \$1.00
 FORTY PACKETS, PREPAID FOR ONE DOLLAR
 Beans—Extra Early Refugee. Water Melon—Kolb's Gem.
 " Imp. Golden Wax. Onion—Yellow Gl. Danvera.
 " Henderson's B. Lima. " —Large Wethersfield.
 Beet—Edmund's Bld. Turnip. Pepper—Ruby King.
 " Long Dark Blood. Peas—Nott's Excelsior.
 Cabbage—Early J. Wakefield. " —Everbearing.
 " Fottler's Brunswick. Parsnip—Hollow Crown.
 Carrot—Danvers Half Long. Parsley—Double Curled.
 Sweet Corn—Early Minnesota. Pumpkin—Large Cheese.
 " Country Gentleman. Radish—French Breakfast.
 Cucumber—Siberian. " —Long Scarlet.
 " —Imp. Long Green. " —White Strasburg.
 Egg Plant—N. Y. Purple. Squash—Warty Hubbard.
 Endive—Green Curled. " —Bush Scallop.
 Kohl Rabi—White Vienna. Tomato—Acme.
 Lettuce—Simpson's Curled. Turnip—P. T. White Globe.
 Leek—American Flag. Ruta Baga—Am. P. Top.
 Musk Melon—Netted Gem. Spinach—Round Summer.
 " —Osage. Salsify—Mam. S Island.
 Water Melon—Phinney's Early. Sage—Broad Leaved.

1906 ANNUAL CATALOGUE AND 1906

Descriptive Price List of Seeds, Etc.

THE W. W. BARNARD CO., Seedsmen, 161-3, Kinzie St., CHICAGO.

FILLERS of the soil, be they farmers, market gardeners, or those who cultivate a plot of ground on which to raise Vegetables for family use, have reason to be well satisfied, successful and prosperous. Nature has done her part well; the harvests of recent years have been bountiful. Periodicals, handsomely illustrated, and simple text books teaching Horticulture in all its branches, are found in almost every home. Thus the people are being educated to a greater love for gardening, and as a result, more and more are entering upon a healthful and pleasant pursuit.

Since the publication of our last catalogue, W. W. BARNARD & Co. and THE GOODWIN-HARRIES Co., Seed Growers, have consolidated and will be known hereafter as THE W. W. BARNARD COMPANY. We solicit your patronage for the new company.

Announcement.

We invite the trade of those who appreciate "The HIGHEST QUALITY at a fair price." The interests of those who purchase from us are mutual with our own. To lose the confidence of our customers is as serious a matter to us as the loss of a crop to you. Therefore, fully realizing that any contributions that we can make to secure you ample and satisfactory returns for your time and labor will redound to our advantage,

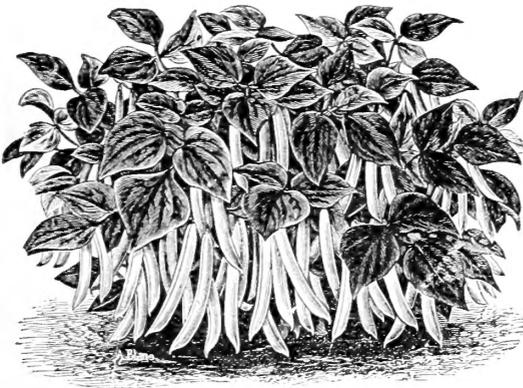
Quality.

we exercise great care to have all seeds, Bulbs and Plants pure and reliable, but give no warranty, express or implied, as to description, quality and productiveness, or any other matter of any Seeds, Plants and Bulbs we send out, and we will not in any way be responsible for the crop. If you cannot accept goods on these terms they are at once to be returned.

THE W. W. BARNARD COMPANY.

Desirable Vegetables

Of Special Merit.



BLACK VALENTINE BEAN.

Black Valentine Bean.

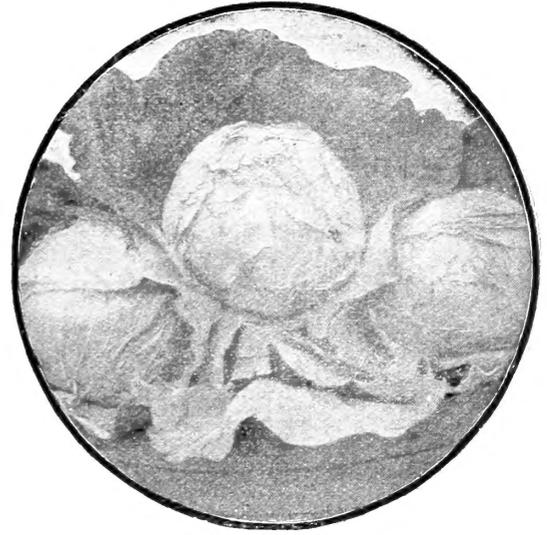
AN EXTRA EARLY Green Pod Bean. An enormous cropper. It produces extra large pods that are tender and delicious in quality. It is a good bean to force as well as to use for late planting. Pkt., 5c; pt., 25c; qt., 45c. Postpaid.

The Longfellow Bush Bean.

AN ideal snap bean. A producer of round, straight, solid, green, fleshy pods, that are tender and brittle. Cooks up with delicious flavor, of robust, compact habit, affording pods fit to pick as early or earlier than any other. Pkt., 5c; pt., 25c; qt., 45c. Postpaid.

Crimson Globe Beet.

HANDSOME in shape, a little deeper than round, with a smooth surface and small tap root. Flesh deep crimson, ringed and zoned. Desirable for early use, also good for main crop. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.



EUREKA CABBAGE.

Eureka Early Cabbage.

THE EARLIEST FLAT HEAD. Fine Grained.

IN COMPARISON with Wakefield, EUREKA is heavier, harder, earlier, and, in addition, is flat. Three heads with part of their leaves removed, cover a sugar barrel. It grows very compactly, thus yielding a much larger crop than other early varieties; a splendid keeper for an early variety on account of its solidness. For garden or market use. Pkt., 10c; oz., 30c; ¼lb., \$1.00.

New Winter Cabbage, "Volga."

THE pedigree of the VOLGA traces back through several generations to a trial packet of seed received from Russia ten years ago. By tedious care and selection the VOLGA has been produced, and is now offered for approval. In a field of three acres every plant was true, with heads of equal shape, averaging 12 to 15 pounds in weight. Flesh white, tender and firm. Stands severe weather without injury. Pkt., 5c; oz., 30c; ¼lb., \$1.00; lb., \$3.50.

SWEET CORN, PEEP O' DAY.

PLANT it and you will have the *First Sweet Corn of the Season*. The stalk grows about 4 feet in height. The ears average about 5 inches in length and are of perfect form, well filled out to the tip. When cooked the corn is exceedingly sweet and tender. It has been thoroughly tested and in *Minnesota* proved earlier than any other. Pkt., 5c; pt., 20c; qt., 35c; postpaid.

LARGE HEAD LETTUCE, WONDERFUL.

FOR outdoor growth and market purposes it stands unrivaled. The heads grow very large, almost like cabbage. Heart is solid; of pale-green color; crisp and tender. Stands heat well, therefore valuable for all seasons. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Iceberg Lettuce. The hardest heading sort we know, with beautiful, large, curled, light green leaves which cover the outside of the solid head. The leaves are always crisp and tender. An excellent lettuce for home garden and market. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$2.00.

Cole's Early Watermelon.

A DELICIOUS and productive variety for the family garden, succeeding in Northern States. It is so early that it matures in every State; very hardy; the flesh is deep red in color, clear to the rind; and is most sweet and delicate in flavor. It is exceedingly brittle, and hence cannot be shipped to distant markets, but is most desirable for the home sales. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 55c.

NEW POTATO, "Noroton Beauty."

SUMMARY
OF ITS
MERITS

- ① The Earliest Potato.
- ② Most Productive.
- ③ Handsome.
- ④ Superb Quality.
- ⑤ Long Keeper.

TRY this superb new Potato. It is fine for market or home use. Tubers large size, oval, russety-white ground, splashed with pink, and pinkish eyes, and more uniform in size and shape than any other variety. The flesh, like the skin, is white, dry, and of finest flavor. It is a Potato that is extremely large and productive. Prepaid: 1 lb., 35c; 2 lbs., 70c; 4 lbs., \$1.00.

Crimson Giant Radish.

THE Radishes run from six to seven inches in circumference and yet remain firm and crisp, free from all signs of becoming soft. Root turnip-shaped, color a beautiful crimson carmine, with pure white flesh, tender and juicy. Suitable for forcing or outdoor planting. Pkt., 5c; oz., 15c; ¼lb., 50c.

Scarlet Conical Radish.

IT is an *excellent forcing Radish*. Has a very short top. Color, brilliant red; flesh crisp and tender, white flavor is all that can be desired. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

Improved Acme Tomato.

RIPENS early, of medium uniform size; glossy red with purplish tinge, round and smooth, free from cracks. An excellent Tomato for market gardener's use, as it ships well. Pkt., 5c; oz., 25c.

SELECTED PEAS.

Goodwin's Prizewinner.

An Ideal Pea for The Market Gardener.

MATURES as early as the early smooth peas, and is of superior quality. *Pod like American Wonder; vine like Premium Gem*. The best all around Early Sweet Wrinkled Pea in the world. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

Thomas Laxton, Tall Growing, Early Wrinkled.

CLAIMED TO BE SUPERIOR TO GRADUS.

THE growth is identical with that of Gradus, but the pods are of a deeper, richer green, **square at the end**, instead of having a sloping point. Every market man who has tried it gives it unlimited praise. Pkt., 10c; pt., 25c; qt., 50c.

The Sibley Squash.

FOR the first time in several years we are able to offer this, one of the finest winter squashes. Will keep all winter. Cooks dry and is of fine nutty flavor. The fruit is of medium size, with a hard, thin rind. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

Sweetheart Watermelon.

VINE vigorous and productive, ripening its fruit early. Fruit large, oval, heavy; rind thin but firm; flesh bright red, firm, solid, tender, melting and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 55c.



"Icicle" Radish.

IT produces long, slender, pure white radishes very early in the season, much earlier and finer in quality than any other long white variety. The leaves are short and few, making it an excellent variety for forcing. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 55c.



CRIMSON
GIANT
FORCING
RADISH.

New Globe Tomato.

Livingstone's Latest.

ONE of the best for greenhouse growing or first early crop on stakes or trellis. An **entirely distinct and fixed new sort**. Color, a glossy rose, tinged purple. Every grower, whether for private or market purposes, will be pleased with the beautiful and attractive **globe shaped fruit**. Offered for the first time in packets of 40 seeds each. Pkt., 10c; oz., 50c; lb., \$1.50.

Flower Seeds For 1906

✻ New and Old Varieties of Special Merit. ✻

NEW GERMAN ASTERS.

✻ All Specially Adapted to Pot Culture. ✻

A NEW departure in Asters. The plant forms a compact bush about ten inches high, covered with small flowers of delicate rose, edged with white and about an inch in diameter. Extremely floriferous, a plant bearing sometimes 200 to 250 flowers. Excellent for pots and borders and said to come true from seed. Pkt., 25c.

Waldersee.

MINIATURE,
MANY FLOWERED.

New White ASTER

HERCULES.

THIS fine novelty comes from the raiser of the Hohenzollern Aster, the high value of which is well recognized.

HERCULES, in growth, presents an imposing aspect, making a strong stem 15 to 20 inches high, which bears the main central flower. On the side shoots from 4 to 6 secondary shoots are formed.

The flowers are of the purest white with very long petals, and attain the great diameter of 6, and with good culture 7 inches. Its height renders it excellent for pot culture. Yields splendid flowers for cutting. Pkt., 35c.

✻ SURPRISE ASTER ✻

✻ "Sunlight." ✻

A MOST pleasing sulphur yellow, a color not often met with among Asters. Pkt., 25c.

Christmas Tree Aster. This new type has a branching pyramidal form of growth, so that each individual flower is displayed on a long stem. The plants are quite early in blooming, and are most desirable for planting individually at some little space apart, thus showing to the greatest advantage the distinct and symmetrical form of growth. The flowers are one and a half to two inches in diameter, finely double, with reflexed petals, and range through many beautiful shades of coloring. Pkt., 10c.

THE CORNFLOWER ASTER, (*Stokesia Cyanea*).

THIS hardy perennial, while not new, is a desirable plant for cut flowers. Easily raised from seed and will bloom first year if sown early. Flowers light lavender blue, like those of the Cornflower, in bloom from July until frost. Pkt., 15c.

HOHENZOLLERN ASTERS.

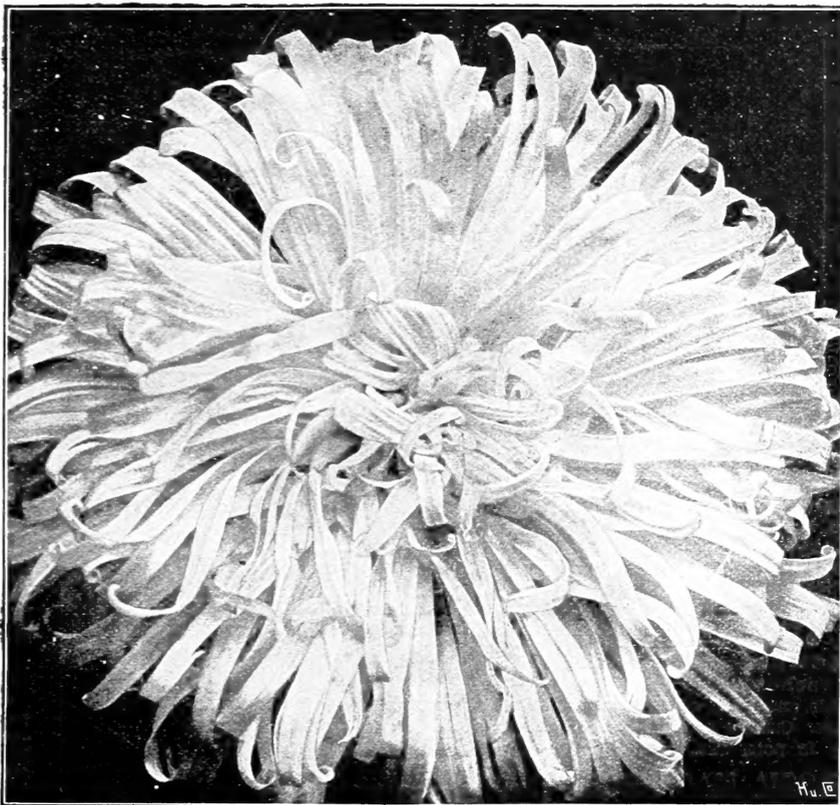
✻ ✻ Unexcelled for Cut Flowers. ✻ ✻

A SPLENDID new strain with flowers of the ostrich feather type. They are large, extremely double; petals curled and twisted; of great merit for pot culture, also for cut flowers. We offer white or mixed. Pkt., 10c.

Hohenzollern.

J. J. LAWRENCE, St. Marys, O., writes: "I grew the Hohenzollern Aster last year. They were fine."

DWARF,
LONG STEMMED.

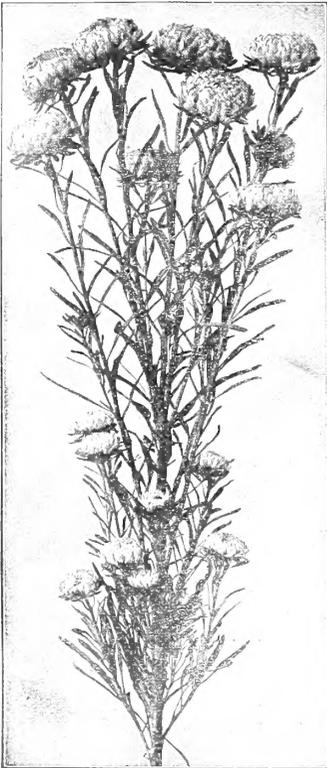


✻ New American Asters ✻

Bentley's Aster. For the present season we offer this in two colors only, white and pink. The extremely large and very double flowers are borne on stems thirty to forty inches long. Pkt., 15c for either color or one of each for 25c.

✻ SEMPLE'S BRANCHING ASTERS. ✻

THIS class, originating in America, is one of the most useful sorts in existence. The plants are very hardy, enduring unharmed under conditions which would prove fatal to some European sorts. It comes into bloom late in the season and produces very large flowers, gracefully poised on long stems. We offer the following colors: White, light rose, rose, crimson, lavender, purple, light blue, mixed. Pkt., 5c.



PEARL ASTER.

 $\frac{3}{4}$ NATURAL SIZE

NEW ASTER—"VIOLET KING."

PEARL ASTER. Plants of this new Aster grow 20 inches high. They have dainty foliage and pretty flowers in these colors—rose, lilac and light blue. Mixed. Pkt., 10c.

Camelia-Flowered BALSAMS.

FLOWERS often measure 2 inches across extremity, double, and of a wide range of colors. Can be grown successfully in pots. Pkt., 5c.

CELOSIA MAGNIFICA.

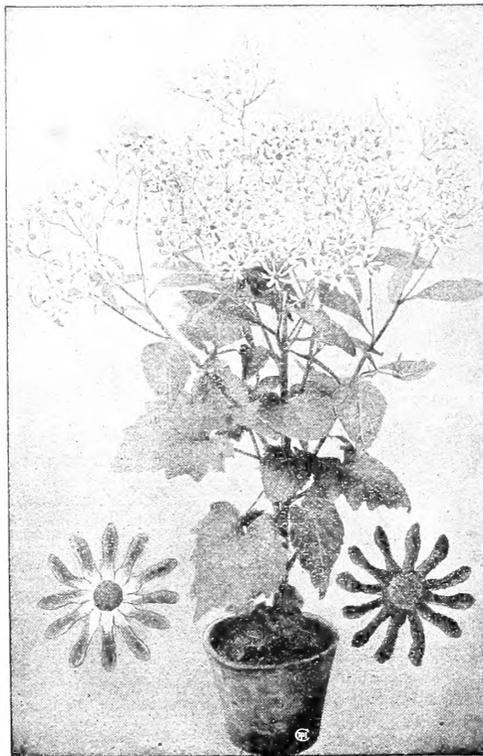
A Pyramid of Beauty.

AMONG the many kinds of this popular garden annual, so valuable for bedding or bouquets, this variety of French origin may be recognized as the highest point of perfection yet reached in Feathered Cockscombs. Borne on plants of elegant pyramidal shape, the flowers are resplendent in all colors. Pkt., 10c.

COLEUS.

Easily Grown From Seed.

WELL known foliage, plants popular for bedding and for pots. Leaves are velvety and of many shades of color. Mixed. Pkt., 10c.



CINERARIA RADIATA HYBRIDA.

NEW ASTER

“Violet King.”

IN form the flower is new and entirely distinct from any other variety; round, full and large. Its color is a soft violet lilac. The plant is a vigorous grower with long stems. Pkt., 25c.

CINERARIA

Radiata Hybrida.

THIS novelty, produced from *C. Stellata*, is a charming new Cineraria with large corymbs of delicate little flowers, in appearance somewhat like our native American asters. For vases and bouquets they are most fascinating, and they keep fresh a week or longer. Mixed colors. Pkt., 25c.

PERSIAN CYCLAMEN.

(Giant German.)

THIS strain has no equal or better. Perfect flowers of giant type are borne on long, erect stems in such profusion that they almost hide the foliage and pot. Colors: white, rose, brown, red, and bright red. 20 seeds, 50c.

Salmon. (Novelty), 10 seeds 35c

BLUE DAISY.

(*Agathea Cælestis.*)

FINE for bouquets and easily grown from seed. The flowers are blue, of a rare and beautiful shade which contrasts well with the golden yellow disk. Pkt., 5c.

BROWALLIA.

Speciosa Major. This is another easily cultivated flower, especially suitable for pot culture and for cut flowers. Color a deep indigo blue. Pkt., 10c.

MARGARET CARNATIONS.

Giant Flowered.

THESE begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf, robust habit, producing on long stems an abundance of large, beautifully-fringed, highly-scented flowers. The range of colors include white, blush, pink, salmon, crimson and variegated. Pkt., 10c.

CANTERBURY BELLS

(*C. Calycanthema.*)

THE "Cup and Saucer" varieties here described produce beautiful flowers 3 inches in length, with saucers 3 or 4 inches across. Very desirable. Pkt., 5c.

Candytuft, Empress.

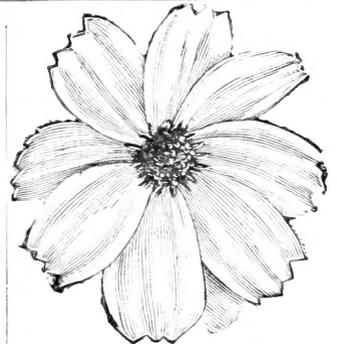
THE best of its class for cut flowers. Heads are very large, pure white and fragrant. It does best sown indoors and set out in the open in May and June. Pkt., 5c.

THE SHASTA DAISY.

WORTHY of a place in every garden. A hardy perennial of the easiest cultivation, producing large, graceful flowers, of purest, glistening whiteness, on long, strong, stiff, wiry stems. The blooms, when cut, remain fresh for a week or more. Blooms the first year from seed, but requires two years to be in perfection. Pkt., 10c.

DIANTHUS LACINIATUS MIRABILIS

A NEW and distinct strain of annual Japan Pinks. They furnish excellent material for bouquets. The large flowers vary in color from white to purplish red. The petals are cut into fine strips. Pkt., 10c.



COSMOS—ONE FLOWER.

Cosmos.

A TALL, graceful, showy annual enjoying the widest popularity. They attain a height of 3 to 5 feet, and their feathery-like foliage forms a filmy setting for the hundreds of large, single, Daisy-like flowers. Sow seeds early in the spring and they will bloom profusely from first of August to December. Most excellent for cut flower work. Early flowering, mixed. Pkt., 5c.

FORGET-ME-NOT,

"The Sylph."

THE flowers of this novelty are silvery white; plant is of dwarf habit with broad, shining, dark green leaves. It is a neat pot plant as well as an effective bedding variety.

Hyacinth-Flowered

LARKSPUR.

A MUCH improved type of this popular garden annual. The splendid flowers are much longer, very double, and of various beautiful colors, shades and markings, borne on spikes like Hyacinths. Pkt., 10c.

Kenilworth Ivy.

(*Linaria Cymbalaria.*)

A well known climbing and trailing plant. Pkt., 5c.



LINARIA MAROCCANA "EXCELSIOR."

CHARMING little annuals with miniature snapdragon-like flowers that, when cut, last a long time. The plants grow about 15 inches high; bloom quickly from seed sown in the open ground, or may be started indoors and transplanted. Many colors in mixture. Pkt., 15c.

NICOTIANA SANDERAE (Carmine Flowered Tobacco)

ONE of the most valuable of last season's novelties. It seems to thrive best in partial shade, where its brilliant carmine flowers remain open all day. Pkt., 10c.

Nicotiana Sanderæ. Collection of 8 Varieties.

Purple, white, pink, dark and light red, crimson, violet, salmon. In a cut state they last well and open their blossoms in water. Hardy annuals of most easy culture. The collection 35c.



N. SANDERÆ. COL. OF 8 VARIETIES.

PANSY, Barnard's Florists' Mixture. This mixture is made chiefly for and is extensively used by professional florists. Those who admire fine pansies should buy BARNARD'S FLORISTS' MIXTURE. It contains seeds of all the BEST Pansies, including the newer varieties. A bed grown from this seed will give you a grand display. It is the BEST Mixture that money can buy. Pkt., 20c; 3 for 50c.

Nasturtiums.

Flower from the start to the finish of the season. **They are suitable for bedding and for climbers.** All they need is a moderately good soil in a well drained, sunny position. The seed is so cheap it should be largely planted.

Dwarf Nasturtiums, mixed. Pkt., 5c; oz., 10c; ¼lb., 30c.

Tall Nasturtiums, mixed. Pkt., 5c; oz., 10c; ¼lb., 30c.

In Separate Colors, (see page 62). Pkt., 5c; oz., 15c.

Salvia Splendens, ♀

"Lord Fauntleroy."

Dwarf in habit. Over one hundred spikes of bloom have been counted on a single plant. The foliage is of a very rich dark green color, beginning right at the ground and rising no more than 10 inches above, while the 8-inch flower-spikes stand erect and clear above the foliage. For bedding in masses alone, or with plants of equal height, or for borders around beds of taller plants we know nothing that is so effective. Pkt., 25c.

♀ SALVIA. ♀

"Silver-spot."

ITS most distinct feature is the strikingly handsome spotted foliage. The leaves are rich, **dark green**, with light sulphur or cream-colored spots. Handsome and attractive, especially in connection with the large, intensely scarlet flower spikes. For garden or pot culture. Pkt., 15c.

Two of the NEWEST PANSIES

Its large, well-shaped, deep blue flowers are frilled and curled.

Hero They possess a great substance and therefore will not fade away so soon as other Pansy flowers when cut. The plants grow very bushy and compact. Pkt., 25c.

Very floriferous and perfect in habit.

Psyche Each flower is elegantly curled and undulated and in every respect a beauty in form and color. The characteristic velvety violet spots or eyes are surrounded with a broad white edge. Comes true from seed. Pkt., 25c. ♀ ♀ ♀



Andromeda.

ALL the Pansy novelties of former years—even "Psyche"—are surpassed by **ANDROMEDA**. Its color is a delicate apple-blossom showing a lilac blue, with still darker veins. Pkt., 25c.

♀ NEW PETUNIA ♀

Superb. Quadricolor.

A **REMARKABLY** beautiful addition to the few varieties of the superbissima section. The bright rose flowers are veined for two-thirds of their surface with net work. Many of the blooms show five yellow rays in the center. Pkt., 25c.

On page 64 you may read about some other very choice Petunias we offer.

New Star Primula (*Primula Stellata*)

WITHIN the past few years this highly decorative Primula has become one of the most popular house and conservatory plants, being *extremely free blooming* and continuing in flower *for a long time*. The Star Primula requires about same cultural treatment as for Chinese Primrose. The cut flowers remain *fresh* in water for *many days*. Pkt., 25c.

Rudbeckia Fulgida Variabilis. The ground color is either yellow or bronze, in some flowers it is striped. The blooms all have the characteristic purple disk and vary in size from 2 to 3½ inches in diameter. Fine for cut flowers. Pkt., 15c.



RUDEBECKIA
FULGIDA
VARIABILIS.

SALPIGLOSSIS.

LARGE FLOWERING.

ONE of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high and bearing throughout the season large flowers from three to four inches across. They are beautifully veined and marked, and are seen in various different colors, such as blue, rose, light yellow and others. Mixed colors. Pkt., 5c.

❖ Sinningia ❖ "Regina Hybrida."

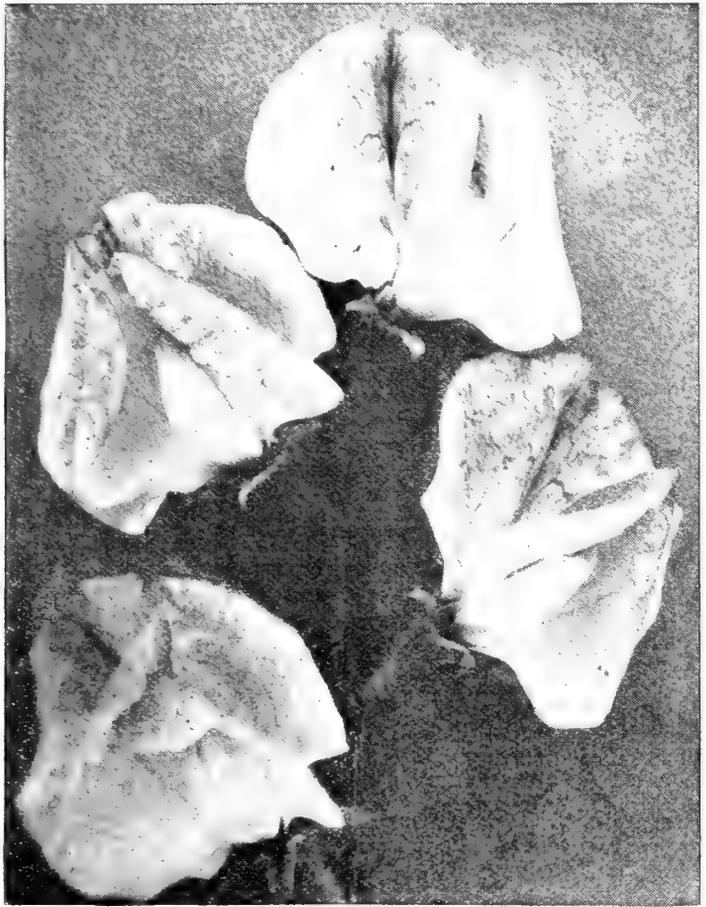
HANDSOME plants, with dark green velvety leaves, veined with emerald, purple on their under surface. The flowers are pale or dark lilac. Requires same treatment as Gloxinia; strong bulbs being readily formed from seed. Pkt., 20c. ❖ ❖ ❖

NEW SWEET PEAS.

Janet Scott. Has won praise everywhere as the very best deep pink. The unusual size of the wings in connection with the substantial hooded standard gives the flowers an appearance of enormous size. Pkt., 10c; oz., 15c; ¼lb., 40c.

Jessie Cuthbertson. The color is primrose, striped with light pink. Flower of large size and hooded. One of the best new ones. Pkt., 10c; oz., 15c; ¼lb., 40c.

Jennie Gordon. The standard is rose showing veins of a deeper, brighter rose. Wings primrose, tinged with pink. Flowers of large size. A charming and desirable variety. Pkt., 10c; oz., 15c; ¼lb., 40c.



Helen Pierce. Especially new in color and markings, and, briefly described, is a *Glorinia Flowered* type. The color is very bright blue mottled on pure white. It does not show any stripes, but is marbled or peppered with the color. The effect is very fine. The flowers, when bunched by themselves make a beautiful decoration. Pkt., 10c; ½oz., 35c; oz., 65c.



Winter Stock, "Crimson King."

TO those splendid new stocks, Beauty of Nice and Queen Alexandra, novelties of last year, can now be added "Crimson King." The color is a *brilliant, fiery crimson*. Both the central stem and the numerous side shoots are heavily colored with uncommonly large and very fragrant flowers. Pkt., 25c.

Stock "Beauty of Nice."

A VERY conspicuous and handsome new winter stock of quick growth with flowers of very large size. The color is a very pleasing pink. Pkt., 25c.

Queen Alexandra. Similar to above, except that the flowers are rosy lilac. Under good culture the plants will bloom in 10 weeks and grow 24 to 30 inches high. Pkt., 25c.

Verbena, Mammoth Flowered.

WHO would now cultivate the common small-flowered Verbena, when for a very trifling additional expense for seed, he can get the greatly improved one? The individual florets of the MAMMOTH VERBENA are greatly beyond ordinary size. Some flowers are all of one color and there are shadings and markings in this strain not seen in any other. Pkt., 10c.

YOU MAY select from more than 80 varieties of Sweet Peas. (See pages 63 and 69.) Also please read (on page 69) about our **Royal Mixture** of Sweet Peas and its contents. No better mixture made.



❖ Schizanthus Grahmi Niveus. ❖

THIS novelty possesses bright green finely cut foliage and snow white flowers which are suitable for bouquets. Sown in April and transplanted will bloom in June and until frost. Pkt., 15c.

New and Scarce Varieties of DAHLIAS

A Superb Collection of Seventeen of the Choicest Varieties in Cultivation

THE varieties offered upon this page were selected out of a large number of the most recent introductions which were tested by us last summer. Each and every one is worthy of culture by everybody.

Mrs. Roosevelt Delicate pink flowers of very large size. A grand show variety for cut flowers. Acknowledged to be far superior to that fine Dahlia, Grand Duke Alexis, described below. Each, 50 cents.

American Flag. A fancy Dahlia. Pure white, striped with crimson. Each, 15 cents.

Kreimhilde The most perfect pink cactus to date. A strong, vigorous grower, with stout, stiff stems. Each, 25 cents.

Other Good Ones Are:

Cuban Giant. An immense ball of bright maroon. 25c.

Gettysburg. Large, pure scarlet; fine form. 20c.

Black Diamond. Show. Almost jet black at first, changing to maroon. 15c.

Eureka. Finely formed show Dahlia. Has quilled petals of deep rose color. 15c.

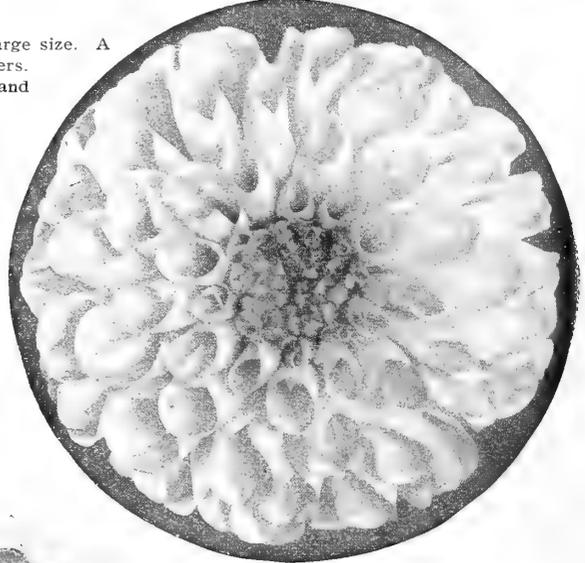
Pink Dandy. Very desirable for cut flowers. The color is pure and attractive. 15c.

Mars. Cactus. A bright, rich scarlet. Has strong stems and carries its flowers up. 50c.

Eloise. Fancy. Blush pink shading to white, each petal margined with velvety crimson. 15c.

Olympia. Fancy. Flowers measure 6 to 7 inches across. Deep rose pink, striped with crimson.

NOTE. We furnish roots while in stock, but will send growing plants from pots whenever our stock of roots is exhausted. The plants from pots bloom equally as well as the roots we plant them in great numbers annually. As the price for each is identical, we will fill orders from either, as stock permits at the time order is filled.



MRS. ROOSEVELT

Blue Oban. A blue Dahlia has for many years baffled all attempts to produce. This variety has lavender-blue flowers without traces of any other color. 15c.

Frank L. Bassett. Finely formed flowers of bright, royal purple. Decorative. One of the best for cut flowers. 15c.

Mrs. Winters. Cactus. Snow-white. A splendid sort. 15c.

Apple Blossoms. A very pretty show variety that combines all the shades from red, pink, and carmine, to pure white. 15c.



AMERICAN FLAG

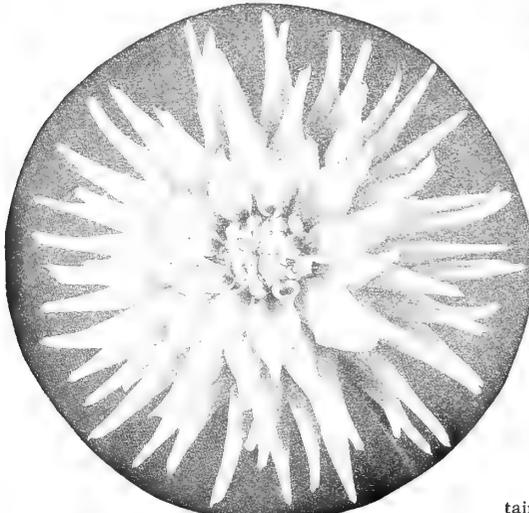
Grand Duke Alexis A magnificent cactus-flowered Dahlia of very large size and distinctly unique form, as the petals are rolled up so that the edges overlap each other. The color is pure white, distinctly tinged delicate pink. For shape and beauty, hard to beat. 25c.

20th Century, Single. Intense rosy crimson, with white tips and white disc around the yellow center. As the season advances, the flower becomes lighter until it becomes a beautiful pure pink. The plant is a strong, vigorous, sturdy grower, of branching habit, growing about 5 ft. high. The flowers are very large, sometimes reaching 7 inches in diameter. 20c.

For general list of Dahlias see page 73.

A Book About Dahlias

A new and valuable treatise on the Dahlia, by L. K. Peacock. Contains the history, classification, descriptions, varieties, and cultural instructions of and for the Dahlia. Splendidly illustrated. Price, 30c postpaid. Every Dahlia admirer should read this book



KREIMHILDE

Green-Pod and Wax-Pod Varieties

BEANS

DWARF OR BUSH

WE supply half pecks at
peck rates, and half
bushels at bushel rates.

THERE are two entirely distinct classes of Dwarf or Bush beans—those which produce Green Pods, and the Yellow-podded or Wax Beans, sometimes called Butter Beans. Dwarf Beans require no support.

Green Podded Varieties.

IMPROVED RED VALENTINE. Fully ten days earlier than the common Valentine, and therefore prized by market gardeners, as well as for its great productiveness. Beans medium size, marbled in pink and red, pods long, curved, fleshy, and tender. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35; bu., \$5.00.

LONG YELLOW SIX WEEKS. Early, upright in growth, very productive, with long pods of excellent quality. Seeds, when ripe, are yellowish drab color. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25; bu., \$4.50.

EARLY MOHAWK. Very hardy; vines stout; pods long, of good flavor; productive. This sort is so much hardier than others that it can be planted earlier. Its large, stout leaves will withstand a slight frost. Is regarded favorably as a forcing variety. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25; bu., \$4.50.

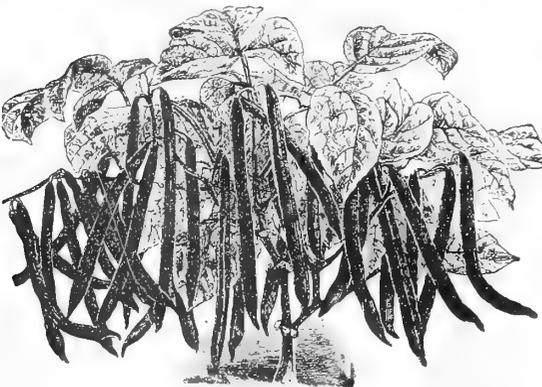
NEW STRINGLESS GREEN-POD.

This fine bean stands unrivaled as the only absolutely stringless green-pod bean in the market. Pod is nearly round, full, larger, and very slightly curved; they break or snap as freely as pipe-stems. Quality, superior. Pkt., 5c; pt., 25c; qt., 45c; pk., \$2.00; bu., \$7.00.

Absolutely Stringless,
Of Fine Flavor.
The Earliest Green-
Podded Bean.

IMPROVED EXTRA EARLY REFUGEE. A great improvement on the old and well-known Refugee, as it is very much earlier, ready to pick nearly as soon as Six Weeks, more dwarf and compact in growth, while the pods are round, solid, tender, and of the best quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.85; bu., \$5.00.

REFUGEE, or 1000 to 1. One of the best early sorts; bears profusely beans of good quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25; bu., \$4.50.



Longfellow Green Pod Bush Bean.

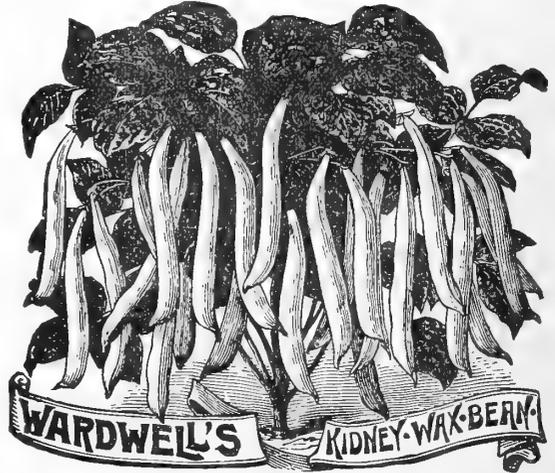
An ideal snap bean. Pods are round, straight, solid and fleshy, averaging 6½ inches long. It is extra early and unexcelled in bearing qualities. Pkt., 5c; pt., 25c; qt., 45c; pk., \$2.00; bu., \$8.00.

Customers write that our packets of Corn, Beans and Peas are very large, and thank us for the extras we give with orders.

Davis Kidney Wax Bean.

The BEST Bean for Market Gardeners and Cannerys.

The large beans are pure white; excellent for cooking, green or dry. The pods while young are stringless, tender, and of excellent flavor, very long, straight, and uniform in size and shape, of a clear, waxy white, do not discolor in canning. Pkt., 5c; pt., 25c; qt., 45c; pk., \$2.00; bu., \$7.50.



Wardwell's Kidney Wax. Strong upright bush growth; very productive. Pods straight and flat. A rich golden yellow, brittle, and entirely stringless. Pkt., 5c; pt., 25c; qt., 45c; pk., \$2.00; bu., \$7.50.

GOLDEN WAX. Pods golden colored; beans oval, white, with more or less of two shades of reddish purple visible. One of the most delicate and finely flavored, as well as earliest. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75; bu., \$6.50.

Pencil Pod Wax Medium early, hardy, prolific, and of excellent quality. Pods long, straight, round like a pencil, fleshy and of a bright yellow color. Tender, brittle, and produced during a long season. Pkt., 5c; pt., 25c; qt., 45c; pk., \$2.00; bu., \$8.00.

Challenge Dwarf Black. The Earliest Wax Bean.

Fully one week earlier than any other. Pods are round and tender, waxy white in color. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75; bu., \$6.50.

Curries' Rust Proof Black Wax.

This is an early, productive, good bean, having long, flat, yellow pods of fine quality. Foliage healthy and rust proof. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75; bu., \$6.25.

Prolific German Black Wax. Golden pods. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75; bu., \$6.50.

Jones' Stringless Wax Bean. A new round pod, white seeded variety. Beans are excellent, either green or dry. Pkt., 5c; pt., 30c; qt., 45c; pk., \$2.25; bu., \$8.00.

Send in your orders early, which will be as well for you and better for us. Be sure in every letter to give your name, post-office and state.

Dwarf Bush Lima Beans.

BURPEE'S DWARF. Plants make perfect bushes from eighteen inches to two feet high. They are *sure croppers* and *immense yielders*. Pods as large as those of the Pole Lima, and contain three to five beans of the best quality. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.65; bu., \$6.25

HENDERSON'S BUSH LIMA. Valuable on account of extreme earliness. Extremely productive, tender and delicious. The dry beans are small and white. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.65; bu., \$6.25.

DREER'S DWARF LIMA. Thick pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of same name. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75; bu., \$6.50.



LIMA and OTHER RUNNING OR POLE BEANS.

The following varieties are of strong running growth, and need stout poles or other support on which to climb. They require a longer season to mature than the bush varieties, but by reason of their stronger growth are more productive, and growing on poles are more easily gathered. Lima Beans will not germinate until weather and soil are warm; if planted before, they are apt to rot in the ground.

KENTUCKY WONDER or Old Homestead.

A very prolific sort, producing its long pods in large clusters. One of the best green podded pole beans for the market gardener. Pods nine inches, or more, in length; nearly round, fleshy and very showy. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.50; bu., \$5.25.

CUT SHORT or Corn Hill. An old variety, very popular for planting among corn, and it will give a good crop without the use of poles; vines medium, pods short, cylindrical and tender; beans nearly oblong, cut off diagonally at the ends, white, covered at one end with reddish brown dots. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.50; bu., \$5.25.

Dutch Case Knife. This is also used as a cornhill bean. Pods very long and flat; beans flat, kidney shaped, white; excellent. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.50; bu., \$5.50

Scarlet Runner. This variety is cultivated chiefly for its bright scarlet flowers. Its vines and leaves are very strong, making an excellent shade. Beans of fair quality, of a purplish color variegated with black. Pkt., 5c; pt., 25c; qt., 45c.

NOTICE: Owing to the extremely short crop of Beans, especially the wax varieties, prices are somewhat higher on these items. We have made our prices in consistence with conditions, and as low as possible.



Lazy Wife's This is a superior variety for the home garden. Desirable either for cooking in the pod or shelled for winter. The large, green pods are from 4 to 6 inches in length. Very tender and of delicious flavor. They are broad and thick, and are stringless until quite large. Dry beans are round, pure white. Possibly so named because easy to pick. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.50; bu., \$5.50.



SIEBERT'S EARLY LIMA.

The Earliest of the Large Limas.

When in condition to use green, the beans are larger than those of any other variety. The vines are exceptionally hardy, and not only produce pods earlier, but they continue in bearing longer than any other sort. In earliness, ease of shelling and quality of the beans, this variety is far in advance of all other sorts. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.65; bu., \$6.25.

KING OF THE GARDEN. Produces a continuous bloom and fruitage quite to the end of the season. Pods measure from 5 to 8 inches, and contain five, six and seven large beans of superior quality. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.65; bu., \$6.25

Varieties for SHELL BEANS.

Large White Marrow. The standard large white Bean commonly sold in market. Beans are good green or dry, of vigorous growth and productive. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

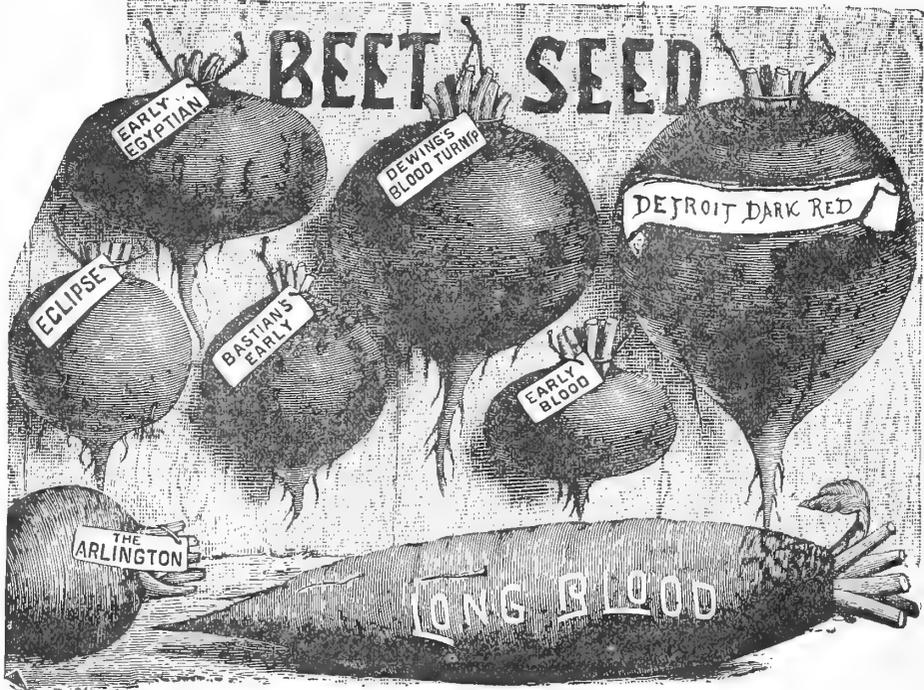
White Navy. Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; pt., 20c; qt., 30c; pk., 90c; bu., \$3.50.

Royal Dwarf or White Kidney. Excellent cooked with sweet corn, making "succotash." Among the best as a winter bean. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

Dwarf Horticultur's. Late; productive and much esteemed for good quality of the beans. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.40; bu., \$5.25.

PACKETS WELL FILLED

OUR PACKETS, we believe, contain more seeds in proportion to the price asked than those put up by the majority of seedsmen. You get full value for your money, and liberal discounts as well.



Excellent BEETS for the Table

CROSBY'S EGYPTIAN.

The Earliest Beet In the Market.

No market gardener will err in sowing this variety. It is perfect in shape, and the deepest red, almost black, in color. Equally good for early bunching as well as the fall market. Its fine color and superior quality make this one of the best beets. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Crimson Globe. Good for Early as well as Main Crop. This beet is of fine shape with a smooth and attractive dark red skin and small tap root. The interior is a rich, deep crimson, and fine grained in texture. The foliage is deep blood red. It is nearly round, of medium size, and does not become coarse at maturity. Those who have tested this new variety declare that you would make no mistake in giving it a trial. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

DIRIGO. A New, Extra Early Turnip Beet of handsome shape and attractive color. It is one of the best for summer or winter use. It is a beautiful dark red color, of fine grain and flavor. Tops and tap roots quite small. A most desirable variety, used largely for bunching. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Dewing's Early Blood Turnip. Suitable for market men. Medium size; smooth skin; flesh red with white bands. Good main crop variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

IMPROVED EARLY BLOOD TURNIP. This beet does not mature so early as those named above. It is an excellent one for the home garden and summer use. An old time standby, and low priced. Ounce, 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

Battle Creek, Mich.—We were greatly pleased with the seeds from you. Everything true to name and as represented.

A. F. O.

Barnard's Selected Edmands Beet.

Round and handsome in shape; smooth and of good, merchantable size. Good for bunching, and is a standard winter beet. Its uniformity, handsome appearance, small top and single tap root commend it most strongly to the market gardener, and for table use scarcely any other variety can equal it in fine quality. The skin is very deep, blood-red in color; the flesh also is very dark red, exceedingly sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

ECLIPSE. A VERY FINE TABLE BEET.

A well formed, globe-shaped beet. It matures early, and is an excellent sort to grow for either the market or the home garden. Color, bright, glossy red. Flesh, fine grained. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Detroit Dark Red. Tops small and upright, admitting of close planting. Roots medium in size, oval, and smooth; skin a dark blood-red; flesh deep bright red, zoned with a lighter shade, fine grained, crisp, tender, and sweet. This is certainly a market gardener's Beet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Half-Long Blood. One of the best beets for winter use. The roots are pear shaped, smooth and handsome; flesh a rich dark red, crisp, tender, sweet, and retaining its excellent quality longer than other sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Improved Long, Dark Blood Red. Tops large, with good-sized long roots, tapering, and growing even with the surface; dark red; flesh very sweet and tender, remaining so when kept till spring. A popular winter sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

SWISS CHARD or Sea Kale Beet.

It is superior to the common beet for greens; if sown at the same time it will be fit for use before it. Later, the plants form broad, wax-like stems to the leaves, which are very delicious cooked or pickled. They have a flavor similar to spinach. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Mangel=Wurzels and Sugar Beets

THE value of Mangels for stock feeding cannot be overestimated. The results from their use are clearly seen in the improved health and condition of animals, the increased flow and quality of milk from cows, and the saving in fodder. Mangels yield enormously if the soil is rich and they can be grown at trifling cost. **Every one who keeps one cow should grow a patch of Mangels for winter feed.** We also recommend cultivation of carrots for horses and turnips for sheep.

Sugar Beets are not as heavy yielders as Mangels, but they are of better quality, abounding in saccharine matter. For sugar producing purposes these beets are grown in Europe by thousands of acres, and in some localities in this country immense establishments are in successful operation, extracting sugar from beet roots.

Mammoth Long Red Mangel

THIS Mangel grows to an immense size (often eighteen inches long) much out of the ground and is enormously productive on rich soil. Dark richly colored foliage; skin bright dark red; flesh white with veined rings of rose-pink. It is an excellent keeper, very nutritious and milk producing. Oz., 5c; ¼ lb., 10c; lb., 35c. Not prepaid, lb., 25c; 10 lbs. \$2.00.

Golden Tankard. A distinct variety, particularly valuable on account of its richness in saccharine matter; highly prized by dairymen for its milk-producing qualities. All stock will thrive on it. Deep yellow flesh and skin. Oz., 5c; ¼ lb., 15c; lb., 35c.

Champion Globe. The best round Mangel. It is valuable for culture upon shallow soils. A better keeper than Long Red. Oz., 5c; ¼ lb., 15c; lb., 35c.

SUGAR BEETS.

Although Sugar Beets are grown principally for sugar-making and for stock-feeding, they are also very desirable for table use, being sweet and tender. Every one should give sugar beets a trial.

KLEIN WANZLEBEN. Recommended by expert chemists as possessing the highest sugar-making qualities. It forms beneath the surface a large, conical shaped root. Oz., 5c; ¼ lb., 15c; lb., 40c.

Lane's Imperial Sugar Beet. Forms a large root, long and tapering, partly above ground. Oz., 5c; ¼ lb., 15c; lb., 40c.

Sugar Beet Seed, not prepaid, per lb., 30c; 10 lbs. for \$2.50. Special quotations on large quantities.

BROCCOLI.

EARLY PURPLE CAPE. The best variety for our climate. Heads close and compact, of a violet or purple color, and of excellent quality. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

WHITE CAPE. Similar to above except in color which is a creamy tint. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

BRUSSELS SPROUTS.

This plant grows two or three feet high and produces from the sides of the stalks numerous little sprouts, one or two inches in diameter, resembling cabbages. The leaves should be broken down in the fall, to give the little cabbages room to grow. They are very tender and sweet after early frost. The small heads are boiled and served in the manner of cabbages. Sow in seed-bed in May, transplant and cultivate like cabbage. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

WE DELIVER FREE ANYWHERE IN THE UNITED STATES

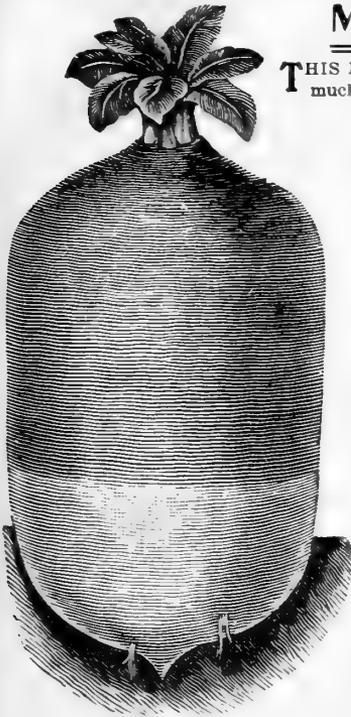
To any Post Office, Railroad Express Office or Station, at our option,

ALL VEGETABLE AND FLOWER SEEDS

By the packet, ounce, ¼ lb., ½ lb., and pound.

ALSO

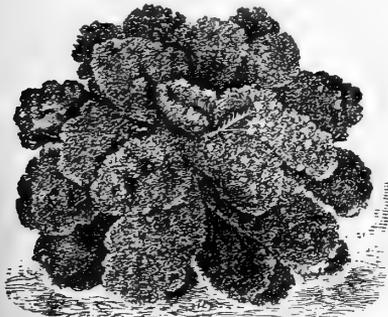
FLOWERING BULBS AT SINGLE AND DOZEN RATES AND BOOKS.



GOLDEN TANKARD.

BORECOLE or KALE.

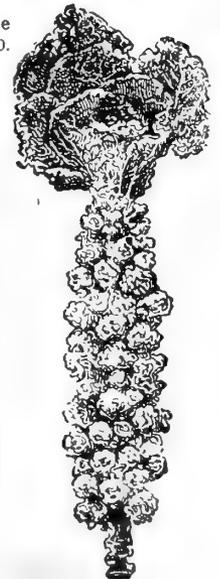
The Kales are more hardy than cabbage, and are improved by frost, but the time and manner of sowing and the culture are identical with cabbage.



Dwarf German or German Greens.

A dwarf variety, rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; the leaves are very beautifully curled and of bright green. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

Green Curled Scotch. About two feet high. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.



BRUSSELS SPROUTS.

The Best CABBAGE--Early Sorts



JERSEY WAKEFIELD

Conical or Pointed-Headed

EARLY JERSEY WAKEFIELD Select Stock

Long recognized as the best, earliest marketable cabbage. In size, medium; in shape, pyramidal with a pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, please the most critical gardeners. Our strain of seed is of superior quality. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.50.

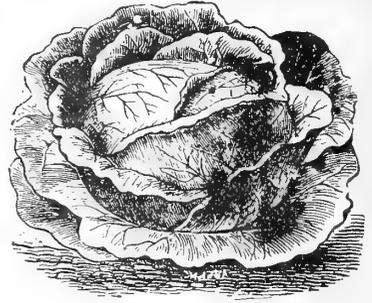
Large Wakefield, or Charleston. The heads are similar in form, although generally not so pointed, but of equal solidity as the original Jersey Wakefield, while they grow half again as large, reaching full size about ten days later. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

WINNINGSTADT. An old and famous type of second early cabbage. It makes a large, conical head, about ten days later than Wakefield. Color, a bright, glossy green. Valuable not only for early use, but as a winter cabbage. A vigorous grower, it thrives even under unfavorable conditions. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

THE IMPORTANCE OF GOOD, RELIABLE CABBAGE SEED

THERE is no vegetable in which the character of the seed is of more importance than this, and great care has to be taken in selecting the seed from the most compact and best-formed heads.

Our cabbage seeds are saved with scrupulous care from the best selected heads and are second to none in quality.



EUREKA

Flat Headed Varieties

Eureka THE EARLIEST FLAT HEAD. It is claimed for the Eureka Early Cabbage, in comparison with Wakefield, that it is heavier, harder, earlier, and, in addition, is flat. Three heads with part of their leaves removed, cover a sugar barrel. It grows very compactly, thus yielding a much larger crop than other early varieties; a splendid keeper for an early variety on account of its solidity. For garden or market use. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.50.

ALLHEAD, EARLY

A Profitable Cabbage for Market Gardeners

ALLHEAD has so few outer leaves, it is practically all head. A surprising quantity can be raised planted close together, and almost every head will be marketable. It makes a good, fall cabbage, also. Plants set out in August make splendid heads. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

BEST
all-the-year-around
Cabbage

Early Summer. Matures about ten days later than Early Jersey Wakefield. Heads are large, nearly round, somewhat flattened, and quite solid. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb. \$2.00.

ALL SEASONS. Stands hot sun and dry weather well. An excellent sort for any season. Produces solid, compact heads of large size, that do not easily burst. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$2.00.

Fottler's Improved Brunswick

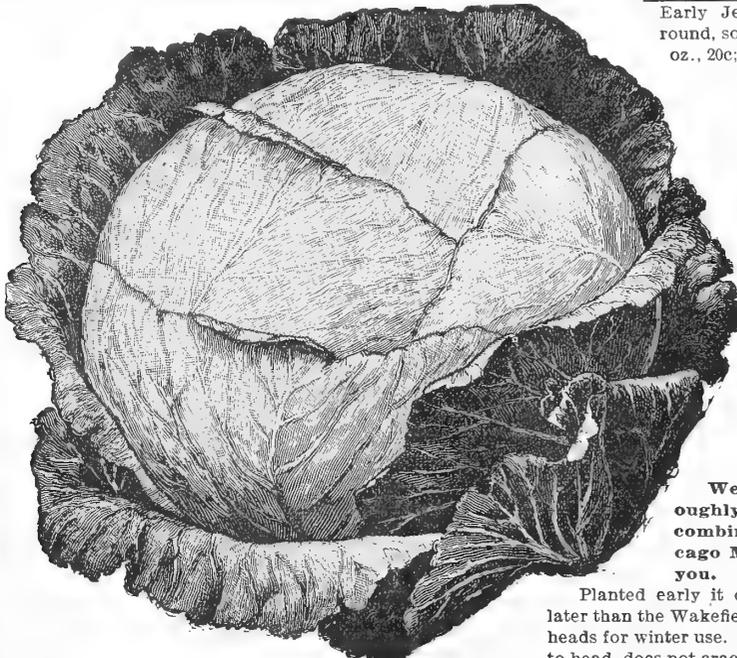
An extra fine strain with very uniform, large, solid heads. Always sure to head. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

CHICAGO MARKET.

THIS valuable cabbage continues to give the utmost satisfaction not only to Chicago gardeners but in every locality in which it has been introduced.

We have yet to find a variety more thoroughly adapted to general culture and which combines so many good qualities as our "Chicago Market" Cabbage. It will surely please you.

Planted early it develops fine, large solid heads one week later than the Wakefield, while if set out later it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, does not crack, and is an excellent keeper. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.



CHICAGO MARKET CABBAGE

Cabbage Seed. For Second Early and Main Crop.

Genuine Surehead.

THIS famous Cabbage is most appropriately named, for it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, very hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping, and is a favorite sort with market gardeners and for home use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

Kills Insects **HAMMOND'S SLUG SHOT** Saves Foliage

SLUG SHOT kills cabbage worms, also cucumber, melon, squash and potato bugs. Contains nothing in the least injurious. 5 lb. package, not prepaid, 30c.

New Winter Cabbage, "Volga."

A New Cabbage from Russia. For uniformity in growth, shape of head, and hardness, it is probably without an equal in a large, hard heading variety. Plants set out July 9th on very ordinary soil with no manure or fertilizer, produced large, solid, hard heads by the 10th of October—two or three weeks earlier than other large kinds. The plant is nearly all head, having few outside leaves. The quality of this cabbage is very fine, both for cooking and for kroust. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb. \$3.50.

**IN
Uniformity
and
Quality
Unsurpassed**



Autumn King or World Beater.

THE large, broad heads are uniform in shape, hard and solid as a rock, fine grained and tender—more so than any other very large cabbage. Forming so few outer leaves it goes almost all to head. It is a rapid grower, and does not require special culture to bring out its excellencies. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

HOLLAND. The superior merit of this variety is the hard heading and long keeping quality. Heads medium size; white. If properly stored they will be found when taken up in spring to be in perfect condition. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety, also a good shipper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

LUPTON. This fine Cabbage has now acquired a splendid reputation. It is a dark green in color, has a short stem and is one of the best keepers, coming out in the spring bright and fresh, a little earlier than Flat Dutch and Drumhead. We have some very choice seed. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

The Danish Ballhead Cabbage.

The Best Cabbage For Spring Sales.

FOR several years our strain of this Cabbage has been known to be unexcelled. Danish Ballhead commands a higher price in the market than any other variety. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, with a few outer leaves, admitting of close planting; exceedingly fine grained, hardest of all, tender, crisp, solid with no waste heart. Average 6 lbs. per head. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

SAVOY CABBAGE.

AMERICAN DRUMHEAD SAVOY. The best of its class for home use and market. Heads large, solid and compact. Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

RED LEAVED CABBAGE.

Mammoth Rock Red. By far the best, largest, and surest heading red cabbage. Color, deep, rich red. Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

CABBAGE AND CAULIFLOWER FOR PROFIT

By J. M. Lupton. Fully illustrated. 30c.

WITH this new treatise, complete in every detail, brightened with original illustrations from photographic views taken in the fields, success in growing these profitable crops is reasonably assured.

First Class, Profitable CARROTS.

This is a vegetable deserving to be more generally cultivated, both for use upon the table and for stock feeding purposes. There is nothing more healthful.

EARLY SCARLET SHORT HORN. Quite short, nearly round. Adapted for forcing for market and culture for early home use. Deep orange in color, flavor excellent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

OX HEART or Guerande. This variety is one of the most valuable, either for family use or market. It is intermediate between the half long and horn varieties, attaining a diameter of 3 to 4 inches at the neck; good shape and rich orange color. The flesh is fine grained, with little core. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

DANVERS HALF LONG. A smooth, well-formed Carrot, which grows to a popular size and is suitable for all soils. Flesh, orange color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

HALF LONG SCARLET NANTES. An early stump-rooted variety that is valuable for table use. Flesh red, little core. Pkt., 5c; $\frac{1}{4}$ oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CARROTS FOR HORSES, ETC.

IMPROVED LONG ORANGE. A standard late variety, handsome and uniform in shape; deep orange color; of good flavor; yields heavily. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. Not prepaid, lb., 45c; 5 lbs., \$2.00.

LARGE WHITE BELGIAN. Grows one-third above ground. Root pure white, green above ground with small top; flesh rather coarse. The roots on light, rich ground grow large and are extensively grown for stock-feeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. Not prepaid, lb., 45c; 5 lbs., \$2.00.

A treatise entitled "Carrots—How to Grow Them," by mail prepaid for 30 cts.

Please remember to DEDUCT 10 CTS. PER LB. from these prices if ordered to be forwarded by express or freight at purchaser's expense.

Chantenay. One of the best for home or market garden. Deep red flesh, fine grained and sugary. It is early, grows about six inches long; stump rooted; always smooth. A heavy cropper. This carrot will please everybody. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



BARNARD'S IMPROVED DANVERS

THE improved stock of this Carrot is preferred by many gardeners because of its handsome, uniform, tapering shape, and rich, dark orange color. It is suitable for all soils; valuable both for table use and for stock feeding; flesh is sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

CAULIFLOWER.

Cauliflower seed, as every gardener and Cauliflower fancier knows, is one of the seeds in the buying of which the price should never be questioned.

Extra Early Dwarf Erfurt.

Best for Forcing and Good for Open Ground.

Dwarf and very solid, with short outside leaves. Can be planted twenty inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. Pkt., 25c; $\frac{1}{4}$ oz., 75c; oz., \$2.50.

BARNARD'S SNOWBALL.

FOR main crop and for every purpose except for first early, or for culture under glass (for which we recommend the Extra Early Dwarf Erfurt) we emphasize BARNARD'S SNOWBALL as a variety of highest quality and reliable, sure cropping strain. Pkt., 25c; $\frac{1}{4}$ oz., 75c; oz., \$2.50.

Denmark. A favorite second early and main crop sort, much in demand by packers and pickle makers. It makes large and firm heads. Pkt., 20c; $\frac{1}{4}$ oz., 75c; oz., \$2.00.

Extra Early Paris. Still used by some gardeners. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Autumn Giant. Late; a vigorous grower. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c.



CAULIFLOWER PLANTS. Best Varieties, Frame-grown, transplanted stock, ready about June 20, per 100, 75c.

CELERY

OF SUPERIOR QUALITY can be produced readily in the home garden if you secure **first class seed** to start with and then be guided by the very detailed instructions contained in the little book "CELERY FOR PROFIT," which we mail, postpaid, for 20c. The self-blanching Celeries are recommended for autumn and early winter use.

Celery Plants we supply from about June 1st, in any desired quantity.



GOLDEN SELF-BLANCHING.

GOLDEN SELF-BLANCHING. *The leading early variety in all markets, and the best celery in cultivation. It cannot be too highly recommended. Its rich, golden yellow color, its close habit and compact growth, and the readiness with which it is bleached and rendered marketable, make it invaluable to the gardener and exceedingly popular with every planter. The entire stalk is solid, crisp, and although not as early, a much better keeper than the White Plume. Pkt., 5c; oz., 25c; ¼lb., 90c; lb., \$3.25.*

WHITE PLUME. This is the nearest "self-blanching" of any celery. **Good for fall use.** When nearly full grown the inside stalks turn pure white to the tips of the leaves. This gives the celery a very handsome appearance. By placing a board on each side of the row this celery can be quickly blanched clear white. Its easy culture and handsome appearance make it a popular and profitable market variety. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., \$1.75.

PERFECTION HEARTWELL.

The stalks are of good size, vigorous growth, never hollow; crisp, tender and of fine, nutty flavor. Some of our largest growers who have tried other sorts extensively, choose the "Perfection" for the main crop, as there is no other strain which equals it for storing, and few which approach it in quality and beauty. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.40.

GIANT PASCAL.

It produces broad and thick, solid stalks of handsome appearance, which are stringless, crisp and tender, and of a delicious flavor. Absolutely free from any bitter taste. It requires but little earthing up, and bleaches rapidly. It is a good keeper for January and February use. Its color is ivory white. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.40.

☞ We can furnish the following well-known sorts at Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.40. **Giant White Solid; Dwarf Golden Heart.**

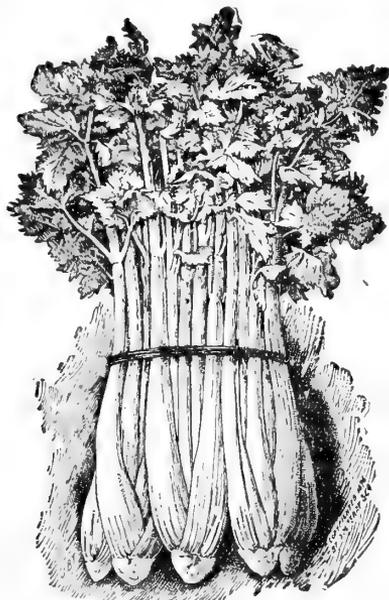
GIANT GOLDEN HEART. A selection from Dwarf Golden Heart. The quality is considered better than in the original variety. Large size, beautiful color, crisp, and deliciously flavored. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.40.

NEW ROSE. The plants are of dwarf habit and are easily blanched. When blanched the stalks have only a slight rose tint which is very pleasing. This celery keeps a long time and is of the finest quality with a rich nutty flavor and no coarseness. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., \$1.75.

A NEW LATE CELERY, "EVANS' TRIUMPH."

THIS splendid Celery, with large, solid stalks of the finest flavor, has few if any superiors in keeping qualities. The stalks are of the finest texture, *crisp, brittle*, tender, and almost nutty in flavor. Market gardeners everywhere concede this to be one of the very best late sorts. It requires highly enriched soil and the entire season to grow it to perfection. So grown it retains its superb quality a long time. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.75.

A Profitable
CELERY
for Market
Gardeners.



EVANS' TRIUMPH CELERY.

CELERICAC

Turnip-Rooted Celery.

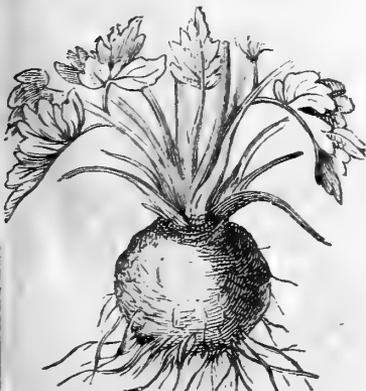
Forms a large round bulb at the roots which is used instead of the stalks as in other celery. Cultivation same as celery.

BARNARD'S GIANT. Makes very large, smooth bulbs. Flesh white with agreeable flavor. Pkt., 10c; oz., 20c., ¼lb., 75c; lb., \$2.50.

Large Smooth Prague. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

DEDUCT 10c per lb. if seed is sent by express or freight.

☞ Please send in your orders early, and have the seeds on hand when you want them to sow.



CELERICAC.

CELERY FOR PROFIT.

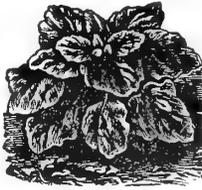
BY T. GREINER.

A STORY describing modern systems of growing Celery. Methods are fully explained in minute detail. Paper, 20c, postpaid.

CHICORY The roots when dried, roasted and ground are used as a substitute for coffee. The young leaves make good salad. Cultivate in same manner as carrots. Pkt., 5c; oz., 10c.



CHICORY



CORN SALAD

CORN SALAD or "Lamb's Lettuce"

We offer the large-leaved variety which, cooked and served same as spinach, is used during the early spring months as a substitute for lettuce when the latter is sometimes unobtainable. Pkt., 5c; oz., 10c; ¼ lb., 20c.

CHERVIL. Used for flavoring and garnishing. Pkt., 5c; oz., 10c.

CHIVES

Their green tops which appear in early spring are used for flavoring. One or two clumps are sufficient for a family garden. Clumps, 20c each, prepaid.

Not prepaid: each, 10; doz., \$1.00.



CHIVES



CURLED CRESS

CRESS

Double Curled or "Peppergrass." For salads and garnishing. Leaves are pungent. Pkt., 5c; oz. 10c; ¼ lb., 20c.

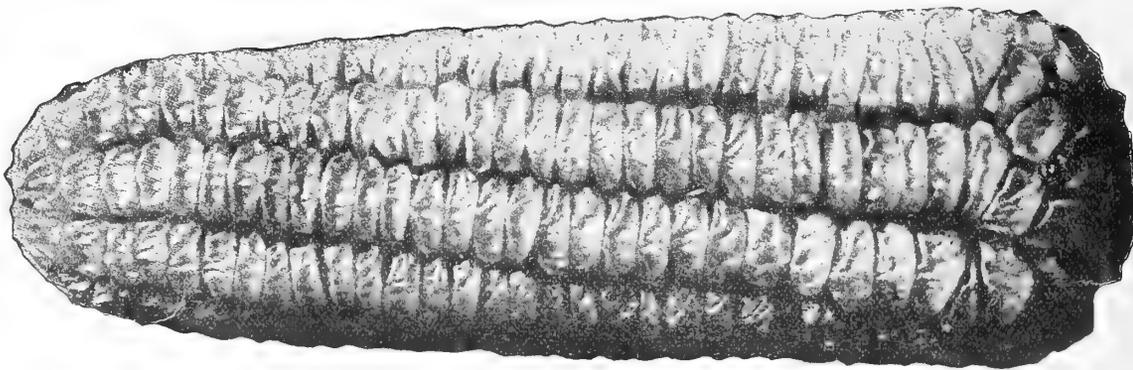
Water Cress. Scatter the seed on a muddy bank of an ever-running stream. Pkt., 10c; oz., 30c; lb., \$1.00.

Selected Strains

SWEET CORN

Please note that the prices quoted for pints and quarts include postage paid by us. If to be forwarded by express deduct 10c. per quart.

Let the weather have become warm and settled before planting Sweet Corn. If put into the ground too soon the seed will be apt to rot. To secure succession during the season there should be planted some early, medium, and late varieties. Our seed is very carefully selected and has been tested for germination.



NEW SWEET CORN — "PEEP-O'-DAY"

EXTRA EARLY VARIETIES

PEEP-O'-DAY Ten Days to Two Weeks Earlier than any other sort, and one of the sweetest of all extra early sweet corns. These are the claims made by the originators, and they have been fully upheld in numerous trials. In habit of growth PEEP-O'-DAY is distinct. The stalks grow from 3 to 4 feet in height, and carry 3 to 5 ears on each. The ears average about 6 inches in length. Cob white; kernels pearly white; far ahead of Cory for sweetness. Exceptionally good for early market as well as for home consumption. Pkt., 5c; pt., 20c; qt., 35c; pk, \$1.25; bu., \$4.50.

Premo Some seedsmen claim this to be the earliest sweet corn. It certainly is one of the best for QUALITY and very profitable to raise for market. It is the corn which comes to market first which proves the money maker. PREMO matures in 56 to 60 days. The ears are of good size, usually two well-developed ones to each stalk, and each ear is well filled out with pure white kernels. It is certainly an acquisition to the Sweet Corn family. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.00; bu., \$3.75.

Mammoth White Cory The largest and best EXTRA EARLY in our list of Sweet Corn. The stalks are no larger than those of the White Cob Cory, while each stalk bears two or more large, fine-shaped ears, twelve-rowed, and covered with large, broad, white grain; remarkable for its good quality for so early a sort. All gardeners who cater for best trade should plant this variety. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.00; bu., \$3.50.

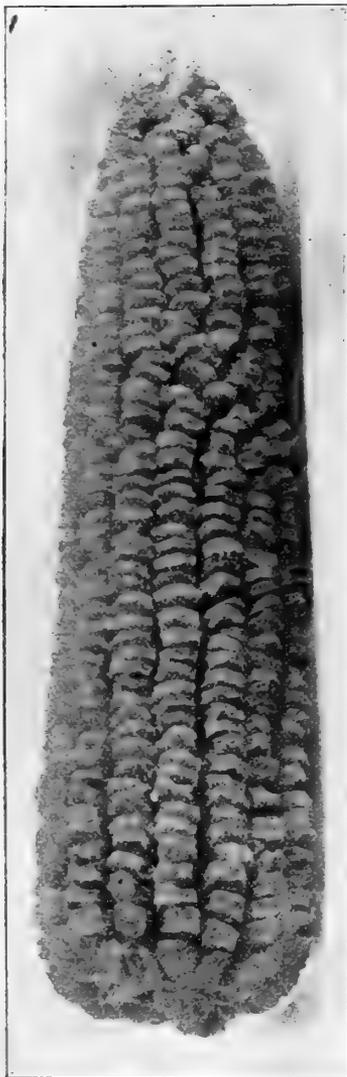
Kendel's Early Giant. This variety is one of the largest early Sweet Corns. It comes in soon after the Cory. Ears 8 to 10 inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one or two ears. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.00; bu., \$3.75.

Early Minnesota. An old and popular dwarf variety. One of the best for market and private gardens. Ears of fair size and uniformity; eight rowed; kernels tender and sweet; color, white. Pkt., 5c; pt., 15c; qt., 30c; pk., 90c; bu., \$3.25.

Early Cory. A favorite early Sweet Corn with market gardeners. It is dwarf in habit and the ears, which are of fair size, are set low. Cob red. Pkt., 5c; pt., 15c; qt., 30c; pk. 90c; bu., \$3.25.

SWEET CORN--Medium and Late Sorts.

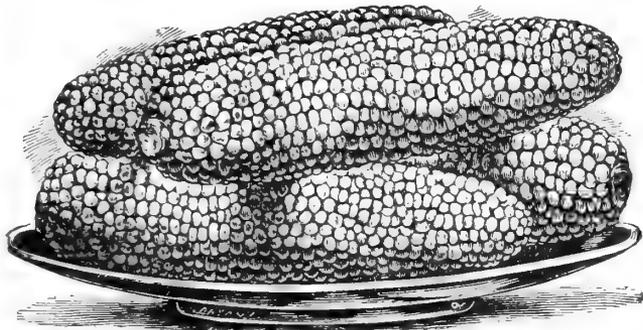
CROSBY'S EARLY SUGAR. This is extensively grown for canning. Ears short, twelve or more rowed, grain thick and sweet. Comes in three or four days later than Minnesota. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., \$3.25.



EARLY CHAMPION.

The Earliest LARGE Sweet Corn.

PRODUCE ears ten inches long in 60 days. Comes in immediately after the small-eared early sorts. It has a medium size, white cob; kernels pure white, very sweet, tender and full of milk; yields three or four ears to the stalk. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., \$3.25.



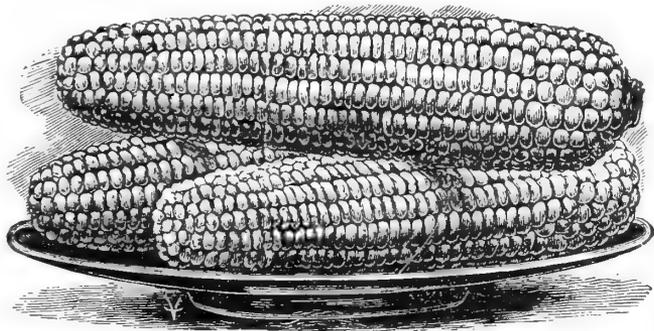
OLD COLONY. Stalks grow tall and carry usually two large ears, sixteen rowed. Cob white. A valuable market sort, and one of the best for canners. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., \$3.25.

PERRY'S HYBRID. Nearly as early as Minnesota, with larger ears, twelve to fourteen rowed, averaging two ears to the stalk. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., \$3.25.

Country Gentleman. The most delicious flavored of all sweet corn. Where quality is preferred to size, Country Gentleman has no equal. Ears of medium size; cob small; kernels deep, color pure white. Matures medium to late. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.10; bu., \$4.00.

CHICAGO MARKET. A Money Maker for Marketmen.

It has many good points to commend it, chief among which are earliness, large size, fine appearance (being well formed), great productiveness, two or three ears on a stalk, and superior table quality. It is twelve rowed, cob white. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.00; bu., \$3.75.



EARLY EVERGREEN.

A VERY promising descendent of Stowell's Standard. Ears of good size and quality, maturing about ten days earlier than the parent. Fine second early; will mature in about eighty days. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.00; bu., \$3.75.

Extra Early Adams. Not "Sugar" Corn. Small and for early use only. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., \$3.00.

Sweet Corn for Fodder, also FIELD CORN. See Farm Dept.

Stowell's Evergreen.

MORE extensively planted than any other sort, being the general favorite with market gardeners and canners for late use. If planted at the same time with earlier kinds it will keep the table supplied until October. Ears are of good size, grain deep, tender and sugary, remaining a long time in condition for cooking. Pkt., 5c; pt., 15c; qt., 25c; pk., 80c; bu., \$3.00.

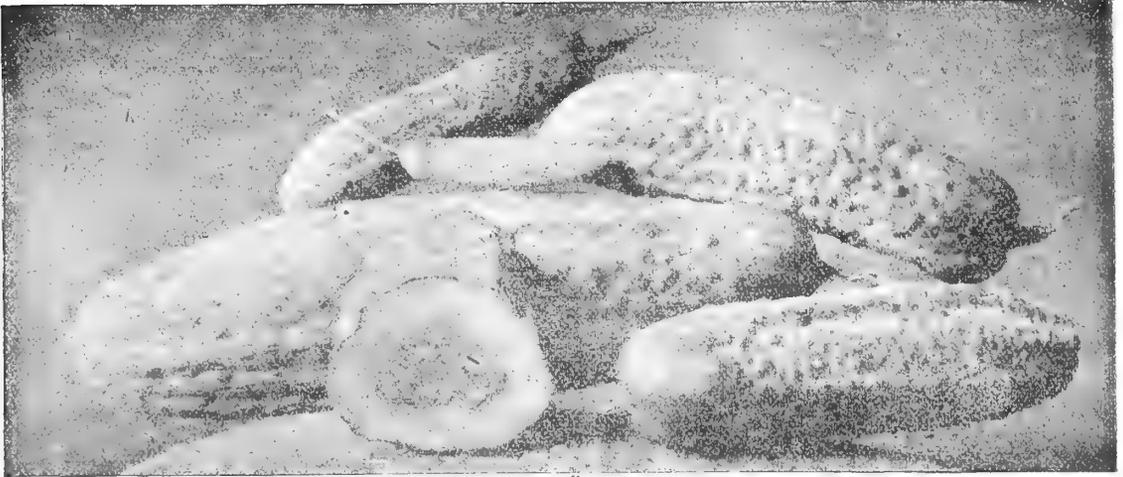
Mammoth Sugar. Late. Rank growth. Ears large and sweet. Pkt., 5c; pt., 15c; qt., 30c; pk., 90c; bu., \$3.50.

BLACK MEXICAN. Surpassed by none in quality and tenderness. When cooked is almost white; the ripe ear is black or blue black. Highly esteemed for family use. Pkt., 5c; pt., 15c; qt., 30c; pk., 90c; bu., \$3.50.

ZIGZAG EVERGREEN. Has larger ears than Stowell's Evergreen. Desirable for canning factories. Pkt., 5c; pt., 15c; qt., 30c; pk., 90c; bu., \$3.50.

POP-CORN FOR THE BOYS. We have seed that is very choice. It pops large and white. Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., \$3.00.

CUCUMBERS for Slicing and Pickling.



NEW PICKLE CUCUMBER, "THE CUMBERLAND."

EARLY VARIETIES.

EARLY RUSSIAN. For small pickles this is a good sort to cultivate. Grows about 4 inches long and is very hardy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Early Green Cluster. A short, prickly variety, hardy and vigorous, bearing fruit in clusters near the root. Desirable for table use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Early Frame or Short Green. An old and well-known variety, bearing fruit of good size, straight and well formed. Desirable for pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

EXTRA EARLY GREEN PROLIFIC. Matures fully ten days earlier than the well-known Green Prolific. Market gardeners will find it very advantageous to plant this strain. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Jersey Pickling. One of the finest pickling cucumbers in the market. Intermediate between Long and Short Green. Well formed, firm and crisp. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Hill's Forcing. An extra early improved White Spine. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

EVERGREEN WHITE SPINE. An excellent early shipping sort. It always remains a deep green color in all stages of growth. Fruit is quite long, smooth and handsome. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Cumberland. This fine new variety has been aptly styled the perfect cucumber. The fruits from the time they are first set until fully grown, are exceptionally straight and symmetrical, thus CUMBERLAND is as choice for a slicing variety as it is for pickles. The flesh is solid, crisp, tender and of excellent quality at all stages of growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

STANDARD VARIETIES.

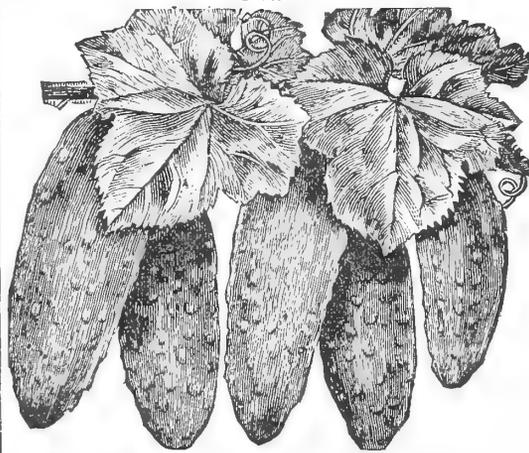
Nichol's Medium Green. Is good for early forcing, and for slicing and pickles. Color dark green, flesh crisp and tender. Some pickle growers think this is the best variety for the purpose. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

BOSTON PICKLING. Short and thick, a little more so than Chicago Pickle. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

IMPROVED LONG GREEN. Long and smooth. One of the very best for sweet pickles. Firm and crisp with very few seeds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Gherkin or Burr. From the West Indies. A very small oval sort, grown exclusively for pickles. Prolific to an extraordinary degree. Seeds are slow to germinate. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Japanese Climbing. The vines are vigorous and can be trained upon fences, trellises, etc. Fruit green, large and straight. Makes good pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



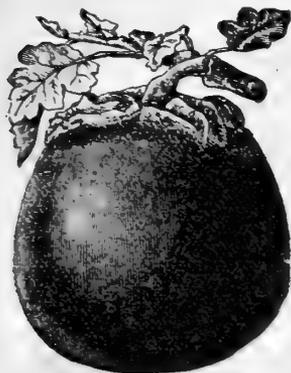
WESTFIELD'S CHICAGO PICKLE.

THIS is now recognized all over the country as the BEST Cucumber for pickles. It is valuable for slicing also, being of fine flavor. The fruit is of medium length, pointed at both ends, coarsely prickled; color dark green. Our Chicago pickle factories use this variety to a large extent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Telegraph. Grows about 18 inches long. Light green color. For frames and forcing. Pkt., (20 seeds), 15c.

THE FORCING BOOK, By PROF. L. H. BAILEY. In this work the author has compiled in handy form the cream of all the available information on the subject of forcing cucumbers and other vegetables under glass. In addition to this, the experience of many practical growers in different localities is furnished. Cloth, 12mo. Postpaid, \$1.00.

Kills Insects HAMMOND'S SLUG SHOT Saves Foliage
 SLUG SHOT kills cabbage worms, also cucumber, melon, squash and potato bugs. Contains nothing in the least injurious. Nonpoisonous and harmless to all creatures except insect life. 5 lb. package, not prepaid, 30c.



EGG PLANT, N. Y. PURPLE.



CATNIP.



SAGE.



SWEET MARJORAM.



SUMMER SAVORY.

HERBS-- POT, SWEET AND MEDICINAL.

DANDELION.

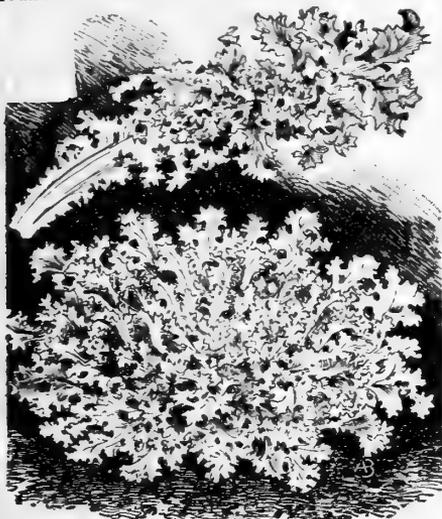
Excellent for greens: considered very healthful. Pkt., 5c; oz., 20c.

EGG PLANT. Improved New York Large Purple Spineless.

This is a delicious vegetable. It is profitable for market purposes. Fruit of large size with smooth, glossy, purple skin. This is the standard variety; it sells readily in any market, anywhere. Pkt., 5c; oz., 30c; ¼lb., \$1.00.

ENDIVE.

This plant furnishes an attractive and appetizing salad for the fall and winter months, or by repeated sowing a supply may be had nearly all the year round.



GREEN CURLED ENDIVE.

Green Curled. Leaves finely cut or lacinated, giving the plant a rich mossy appearance which is greatly enhanced when the centers are nicely blanched. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

Broad Leaved Batavian. Forms large heads of broad thick leaves, which can be blanched as a salad or make excellent cooked greens, as well as being useful to flavor soups, stews, etc. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

GARLIC is the most pungent of all the onion family. It is used to season soups, stews, etc. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring, about six inches apart. ¼lb., 15c; lb., 35c.

Herbs in general delight in a rich, mellow soil. Sow the seeds early in spring in shallow drills, one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude air entirely.

Varieties marked with an * are perennials.

	Pkt.	Oz.	¼ lb.	Lb.
Anise. Used for seasoning and garnishing.....	5	10		
* Balm. For cooking purposes.....	5	20		
Basil, Sweet.	5	20		
Borage. Leaves are used as a salad.....	5	15		
Catnip. Good for bee pasture.....	5	25		
* Caraway. Seeds used medicinally and in bread.....	5	10	20	60
Coriander. Seeds used for flavoring.....	5	10		
Dill. Leaves used with pickles, seeds for flavoring soups and vinegar.....	5	10	20	50
Hop.	15			
Fennel. Seeds for flavoring; leaves for garnishing.....	5	10		
* Horehound. Has medicinal qualities.....	5	20		
Hyssop. Used in medicine.....				
* Lavender. Its flowers are used in the manufacture of oil and distilled water.....	5	15	40	\$1.25
Marjoram, Sweet. Used for seasoning.....	5	10		
Rosemary. Leaves used for seasoning.....	5	20		
Rue. Cures Roup in poultry.....	5	15		
Saffron. Used for coloring.....	5	10		
Sage. Leaves are used in stuffing and sauces.....	5	15	45	\$1.75
Savory, Summer. Used for seasoning.....	5	10		
* Thyme. For seasoning.....	5	20		
* Wormwood. Beneficial for poultry.....	5	20		

HORSE RADISH SETS. They are small pieces of roots. These, planted small end down about two inches below the surface, will produce radish in one season. As it increases very rapidly, any out of the way location in the garden should be chosen. Small roots, dozen, 25c; 100, 70c, by mail. Write for special price in large quantities.

KOHL-RABI or Turnip-rooted Cabbage. A vegetable of the cabbage tribe, with a thick stem; sweet and delicate when cooked.

White Short Leaved. It is very early and the best for forcing as well as for outdoor culture. Bulb is greenish-white, smooth, of finest texture and quality. Pkt., 5c; oz., 30c; ¼lb., 80c; lb., \$2.75.

EARLY WHITE VIENNA. Flesh is white. Pkt., 5c; oz., ¼lb., 60c; lb., \$2.00.

EARLY PURPLE VIENNA. Rich purple. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

LEEKs.

LONDON FLAG. Hardy; of good quality; the whole plant is edible. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Musselburg. A good sort; broad, dark leaves. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

MONSTROUS CARENTAN. Grows rapidly and is very hardy. The edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25.



**IN DEMAND THE
WHOLE YEAR ROUND**

LETTUCE

**A Money Making Crop
for Market Gardeners.**

There are Two Distinct Classes of Lettuce. One forms HEADS like cabbage; the other merely produces LOOSE LEAVES. The so-called "Head-Lettuce" are those most generally cultivated, especially in the home garden. All of them are of good flavor, solid, crisp, and tender.

Curled or Loose Head Varieties.

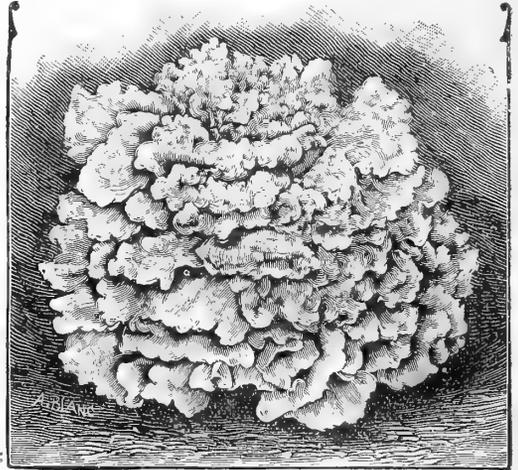
AMONG the many varieties of Curled or Leaf Lettuce there is no one better fitted for the general use of market gardeners and the private cultivator than *Black-Seeded Simpson*. It is suitable for growing under glass as well as for early outdoor planting. Forms a compact mass of thin leaves which are tender and of excellent quality. *By far the most popular Lettuce with the market gardeners of Chicago and elsewhere.*

BLACK-SEEDED SIMPSON.

Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Prize Head. For general use no Lettuce has ever given such universal satisfaction. It forms a head of loose leaves, bright green in color, tinged at the edges with red; very crisp and tender, and of excellent flavor, and has the faculty of keeping its good qualities throughout the entire season. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Early Curled Simpson. Standard cutting or loose-head variety. Is earlier than the heading varieties. Forms a large, close, compact mass of curled leaves of yellowish green color. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.



Cabbage or Heading Varieties.

Denver Market Forcing.

An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. The leaves are beautifully marked and blistered (like the Savoy Cabbage), very crisp and tender. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Big Boston.

THE BEST MIDSEASON or Summer Lettuce.
A valuable sort for open ground or forcing. It resembles the well-known Boston Market; the heads are much larger, and mature a week later. This variety does well under great variations of temperature. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Improved Hanson.

For outdoor culture there are none more reliable than this. In rich ground, well cultivated, the heads grow to resemble small cabbages. Outer leaves green, white within, having no bitter taste. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

California Cream Butter.

A summer lettuce whose rich cream-yellow leaves are most refreshing in appearance; rich and buttery to the taste. The heads are of good size, round and solid, and slow to go to seed. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

LETTUCE WONDERFUL.

FOR outdoor growth and market purposes it stands unrivaled. The heads grow very large, almost like cabbage. Heart is solid; of pale green color; crisp and tender. Stands heat well, therefore valuable for all seasons. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Sensation.

Valuable for forcing in greenhouses. A good lettuce for outdoor culture in summer months. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Grand Rapids. This is beyond question the most popular of all forcing lettuce. On account of its upright habit of growth it can be grown much closer than the other sorts, and is less liable to rot; the leaves are light yellowish-green, excellent for shipping, and keep a long time without wilting. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

St. Louis Market.

ONE of the best lettuces for all purposes. *It cannot be recommended too highly.* It will stand summer heat and is slow in going to seed. Forms medium-sized heads, compact and solid. Leaves thick, rich and nutty in flavor. Our sales of this variety to market gardeners in various localities are constantly increasing. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Iceberg.

Makes a large, handsome, crisp head, conical in shape, tightly folded and well blanched; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during our hot summer months. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

STANDARD SORTS

Any of the following: Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Black Seeded Tennis Ball.

Early Curled Silesia.

Yellow Seeded Butter.

White Seeded Tennis Ball.

Trianon. A self-blanching sort. The leaves when blanched, are crisp and tender, and stiff, like celery stalks. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.



MUSK MELON Seeds.

Ashes or lime is excellent to sift over the young plants to prevent the attacks of insects.
Use Slug Shot to kill them.

Extra Early Hackensack. An early strain of the well-known Hackensack. A popular market melon; round ribbed and thickly netted. One of the best green fleshed melons. A good shipping variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

ROCKY FORD. This melon has become one of the most popular of the small or basket varieties. It now has a first class reputation in all markets. Just right size for restaurants and hotel service. Flesh green, thick, lusciously sweet. It is netted and ribbed and ripens early. The vines are exceedingly healthy and vigorous, bearing an enormous quantity of fruits during the entire season. It is safe to say that no melon has ever come into market which has sold so readily and at such high prices as the "Rocky Ford." Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

OSAGE or Miller's Cream. The shape is pointed-oval, somewhat resembling a cocoanut. Medium size, color dark green, slightly netted and of a rich orange color where the melon lies on the ground. The flesh is thick, salmon-colored, and in quality is hard to beat. Pkt., 5c; oz 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

EMERALD GEM.

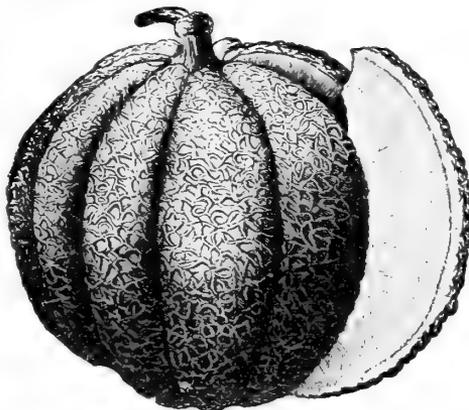
A Splendid Variety for the Private Garden.

While the fruit is not large, it ripens very early. The melons are round and dark green. Flesh is salmon colored, thick, sweet, and of delicious flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

TIP TOP.

It is Aptly Named.

An excellent, large green-fleshed sort. The universal testimony of everyone who cultivates the Tip Top is, that every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy, fine flavor, firm, but not hard fleshed, eatable to the very outside coating. As a yielder it is not surpassed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



IMPROVED GREEN NUTMEG. A large melon, nearly round, flesh greenish yellow and of delicate flavor. The seed we offer is most carefully selected and we know it will give satisfaction. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.



Long Island Beauty.

The skin is densely netted. In form it resembles the Hackensack, but is more ribbed and of handsome appearance. Besides its superior quality it has also earliness to commend it for approval. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

CHICAGO MARKET

It matures early, ripens evenly, and is of uniform size. The fruit is large, nearly round in form, and flattened at the ends. Flesh thick and of a most delightful flavor. It is a green fleshed variety, and in good demand among the Chicago hotels. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

MONTREAL MARKET

Reports are recorded of these melons weighing nearly forty pounds each. Fruit is almost round, flattened at both ends, deeply ribbed and netted; skin green. Flesh very thick, light green, and of delicious flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.

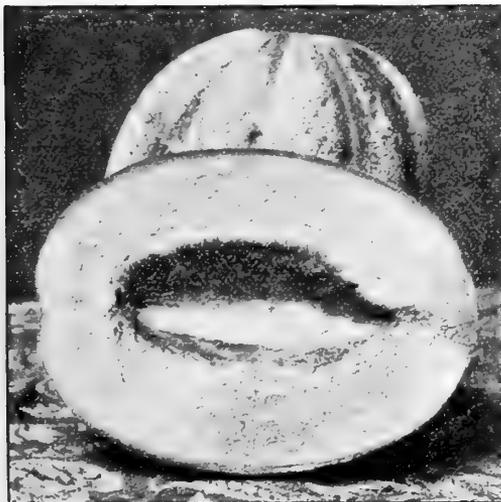
"PAUL ROSE" MUSK MELON.

When First Marketed was Called "Petoskey."

THIS MELON is a successful cross of the Osage with the Netted Gem. Owing to the great thickness of the beautiful salmon colored flesh, the PAUL ROSE will weigh considerable more than a Netted Gem of the same size.

THE UNIFORM shape and average diameter (about 5 inches) of this melon permit placing of two layers of eight each in a half-bushel basket, making a handy package of sixteen melons. The compact and neat appearance when packed, as well as the excellence of this melon, make it a most desirable shipping sort.

It is about two weeks earlier than the Osage. The Melons are nearly round. Seed cavity remarkably small. As a melon for the table this is unsurpassed. Market gardeners who grow red-fleshed melons will find the Paul Rose their most profitable sort, while for the hometable nothing better could be desired or obtained. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.



MUSK MELON, "PAUL ROSE."

Portland, Oregon: "We find your seeds give better satisfaction than any from New York and Philadelphia firms. We expect to patronize your house while your seeds prove reliable.—B. F. F."

MARKET GARDENERS, and those who use large quantities, write for special prices.

**SWEET AND
DELICIOUS**

WATERMELONS

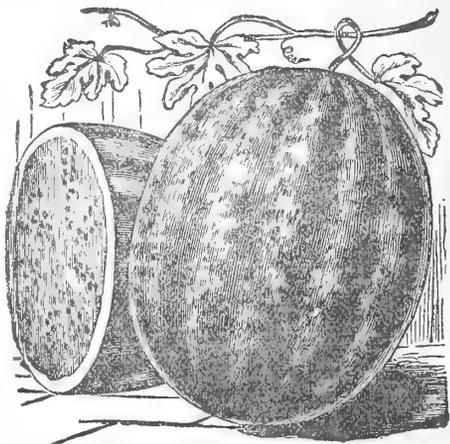
The **BEST** Varieties for
Market or Home Use.

Cole's Early. This is the best **Early WaterMelon** for the home market to-day. For sweetness and delicate texture of flesh it has no equal. The rind is thin but brittle, and therefore not suitable for shipping; for the home market we know of none better. Extreme earliness is its great merit. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

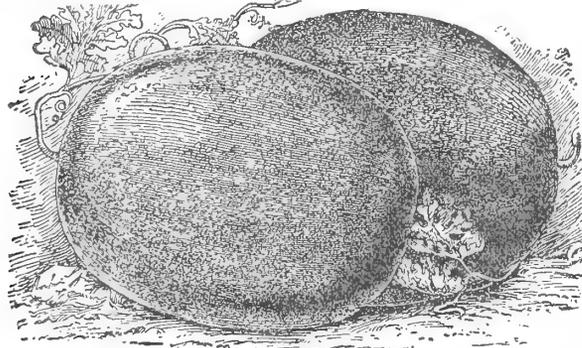
PHINNEY'S EARLY. A well-established standard variety, of western origin and well acclimated. It is sweet, of good size, and very productive. Its market qualities are the very best; flesh is red, sweet, and luscious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Triumph. It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance of the former and the shipping qualities of Gem; **very early**, prolific, deliciously sweet, and of enormous size. It possesses all the qualities that go to make up a desirable melon. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

HUNGARIAN HONEY. One of the sweetest and finest flavored water melons, and also early and productive. The melons are perfectly round, dark green, and of medium size. Flesh bright red, solid, and **very sweet**. Seeds very small. We highly recommend this melon for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

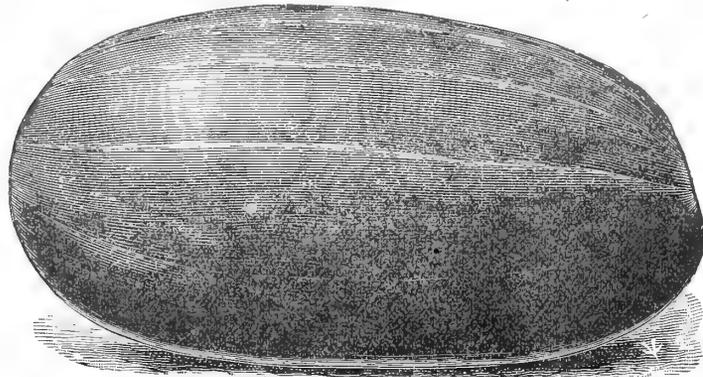


COLE'S EARLY.



SWEET HEART

Sweet Heart. A magnificent new and distinct shipping variety of the largest size, nearly globular in shape; skin a bright, beautiful mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy, but crisp, melting, and exceedingly sweet. A **good keeper, and improves in quality for a long time after ripening.** Vine vigorous and productive, ripening its fruit early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.



Kleckley Sweets. A large, oblong Melon, 20 inches in length by 10 to 12 inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The large, solid hard does not crack open when ripe. The flesh is sweet and sugary. The melon is better for home use than for shipping. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

PEERLESS or Ice Cream. An excellent garden melon and one of the best for market gardeners who sell direct to consumers. Very productive; medium size; very sweet and delicious. Oval shaped, thin rind, finely mottled. Flesh bright scarlet, solid to the center. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

DARK ICING. One of the best of melons, possessing a delicious flavor. There are two varieties—a light and dark skinned—differing in color only. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

BLACK DIAMOND. A famous new melon. The color is rich, deep greenish black; rind thin but quite tough—a *good shipper*; flesh rich, red, thick, firm, solid, and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

KOLB'S GEM. Largely grown by Southern shippers. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is of bright red and of fair quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Dixie. A popular market sort. Vine vigorous, large growing and hardy, ripening its fruit earlier than most of the large sorts; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

CUBAN QUEEN. Fruit is medium sized and oval in shape. The flesh is bright red, very crisp, sweet, and tender. This melon stands handling well, as the rind is quite thick and hard. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

CITRON, RED-SEEDED. For pickles and preserves only, as it is unpalatable in the raw state. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Pontiac, Ill. We have purchased all our garden seeds for 10 years from you. Always very satisfactory. MRS. F. D.

Melon Growers, Attention!

The varieties of melons listed here are all first class, some being more suitable for one purpose and some for another. Our seeds have been grown by careful specialists, and can be depended on to produce good crops of true to name melons.

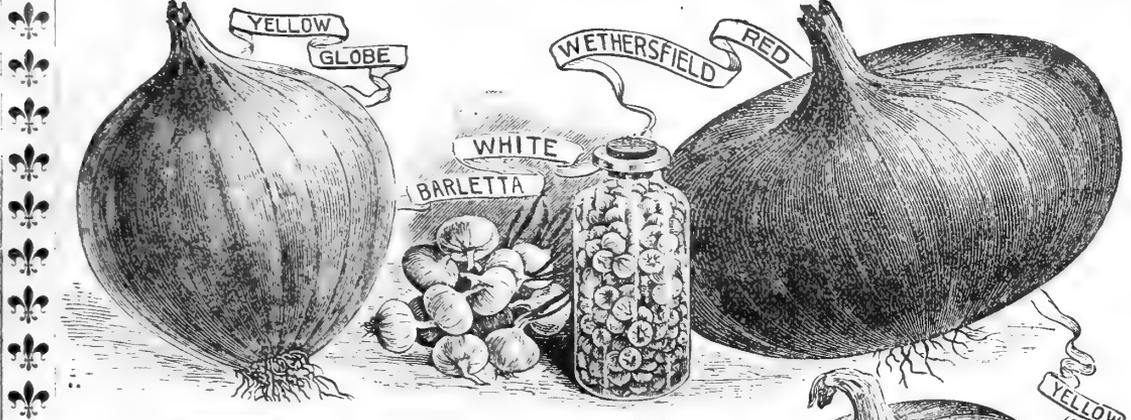
BARNARD'S SUPERIOR ONION SEED.

Thoroughly Tested and of Strongest Vitality.

We pride ourselves in supplying the VERY BEST ONION SEEDS that can be produced

WE recommend to all desiring information on growing onions, the book "The New Onion Culture," by Greiner, which we offer at 50c. or will give one copy free to every purchaser of 5 lbs. or more of onion seed if requested on order.

In comparing our prices with others, please remember that WE PAY THE POSTAGE, and if the seed is ordered by freight or express at the expense of the purchaser, 10 CENTS PER POUND may be deducted.



ANY ARTICLE which is used in quantities proportionately large becomes an article of sharp competition, and this business rivalry naturally leads to strife to produce the commodity at lowest possible price. This, in many things, is legitimate and desirable, but emphatically NOT SO in Onion Seed. Nevertheless the effort to offer Onion Seed at low prices has the tendency to make the grower less careful in its cultivation, the result being seeds not of the high quality appreciated by experienced planters. We still stand on the platform of HIGH QUALITY, and instruct our growers to give us THE BEST.

YELLOW SKINNED VARIETIES.

Southport Yellow Globe. Larger in size and rather lighter in color than Danvers. Flesh white, fine grained and mild flavored. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.

Yellow Globe Danvers. Globe shaped of medium size; the skin is a beautiful silvery yellow color. Comparatively mild and well flavored. The standard yellow onion for Market. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., \$1.75.

Barnard's Selected Yellow Globe Onion.

The Finest Strain in Cultivation.

WHILE this Onion is suitable for and yields profitable crops on all classes of soil, it is especially good for muck land on account of its quick maturing qualities.

The firm, solid bulbs are all that can be desired in size and quality. Being excellent winter keepers, they are sought after in all onion markets.

Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

A Popular and Valuable Sort.

The onions from this strain of seed ripen early all at once. They are

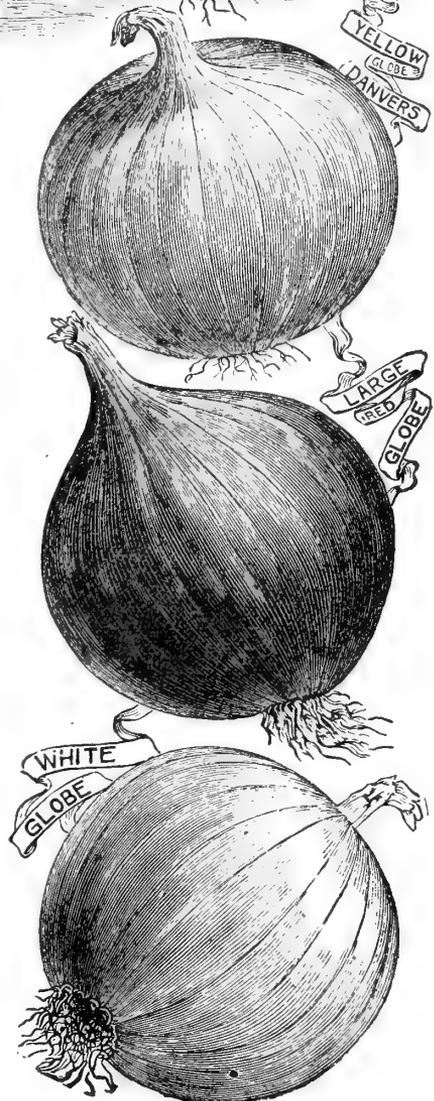
Distinct and Attractive in Shape. Handsome, Bright Even Color; Necks Very Small.

A conservative estimate of the yield per acre on well cultivated soil may be stated at 500 to 600 bushels from seed sown in spring.

Australian Brown. **Michigan Yellow Globe**

A VALUABLE variety of recent introduction that is attracting the attention of growers wherever it has been used. It is a beautiful brown color and uniform medium size. Its very attractive appearance when prepared for market makes it a seller. Long keeper. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

ON RICH black soils professional onion growers have found this particular strain to be one of the best to cultivate. The bulbs while globe-shaped have a somewhat flattened base. They are of good size, and have small necks; color rich orange. A heavy yielder and excellent keeper. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.



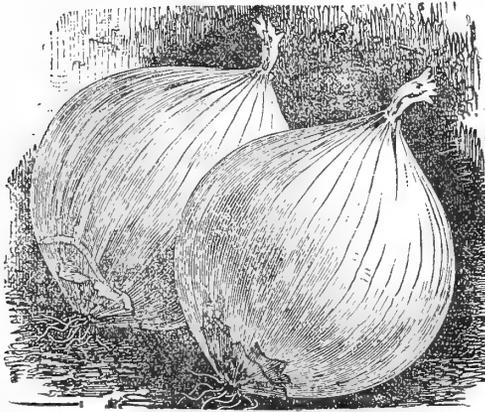
**BARNARD'S
SUPERIOR**

ONION SEED

✂ **Thoroughly Tested and of Strongest Vitality.** ✂

We pride ourselves in supplying the **VERY BEST ONION SEEDS** that can be produced.

It pays to plant only the best. Our Onions are saved from Selected Bulbs only, and are sure to produce the best crops of sound and long-keeping bulbs. We handle only choice American Pedigree Stocks. ✂ ✂



THREE GOOD YELLOW VARIETIES.

✓ **Yellow Danvers.** A flat, productive variety of medium size; skin coppery-yellow; flesh white, comparatively mild and well flavored. Grown for market and for yellow sets. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

✓ **Yellow Strasburg.** The Best Yellow for Sets. Flat; flesh white, fine grained, mild, and well flavored. An excellent keeper. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

✓ **PRIZE TAKER.** It is one of the largest, handsomest and most profitable varieties grown. By sowing early and transplanting it can be grown to an extraordinary size. The Prizetaker Onion is globe shaped; of a clean, bright yellow or straw color. Has a small neck and ripens up hard. **Keeps well until about midwinter.** Flesh thick, white, mild and agreeable in flavor. It is easily grown, medium early in maturing. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

✓ **EARLY RED GLOBE.** Ready for market several weeks ahead of Large Red Globe. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., \$1.75.

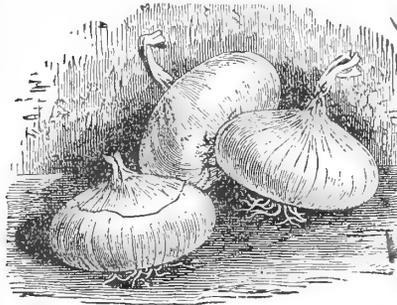
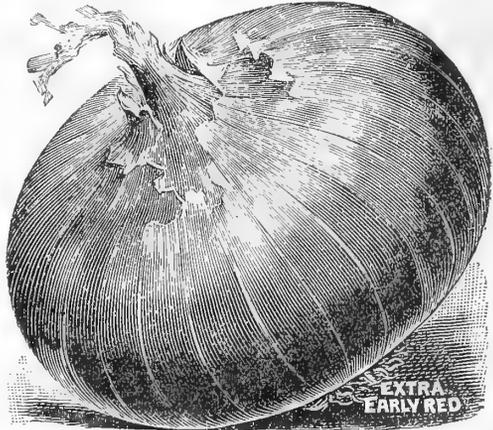
✓ **Large Red Globe.** Of medium size; spherical with small neck. One of the most handsome onions in cultivation. It is a splendid keeper and an onion that no one will err in planting. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

Large Red Wethersfield.

A Standard and Profitable Variety for the Market Gardener.

THIS onion is a sure and heavy yielder; its keeping qualities are the very best. Will do well in any locality where onions can be grown. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

✓ **EXTRA EARLY RED FLAT.** Matures very early, yields abundantly, and is of mild flavor; medium size, deep red, close grained, solid and heavy. An excellent market variety and a good one to use where the growing season is short. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.



WHITE PORTUGAL ONION.

WHITE SKINNED VARIETIES.

✓ **White Portugal** or Silverskin. The bulbs are flat in shape and mature earlier than Yellow Danvers. It is of a mild, pleasant flavor, and is a splendid variety both for home use and the market gardener. It is extensively used for growing sets, for which it is well adapted on account of the shape of the bulb and its excellent keeping qualities. Is also used largely for pickling. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., \$1.75.

✓ **White Globe.** One of the most beautiful globular, mild flavored onions. A favorite for market; salable everywhere. Is of very large size, and of fine quality. Pkt., 5c; oz., 25c; ¼lb., 70c; lb., \$2.50.

White Queen.

✓ **THE** earliest and smallest onion grown. Every one who has a garden should sow an ounce or more of seed to raise onions for pickling. The onions are pure white, mild in flavor, and keep well. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

Bottom Sets are grown from seed and are the most used. **Top Sets** are still much called for in some sections. **White Multipliers** are fine for bunching green. They are enormously productive and are becoming very popular.

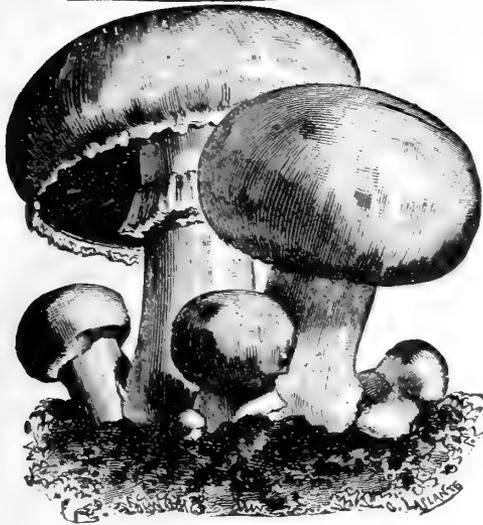
Three quarts of sets will plant a row 100 yards long. The prices named below are for sets by mail postpaid. If you wish to purchase in large quantities, state your requirements and we will quote:

White Bottom Sets.....	qt., 30c	Top Onions.....	qt., 30c
Yellow " ".....	30c	Potato Onion.....	30c
Red " ".....	30c	White Multiplier.....	30c

✓ **We are prepared to fill your order at any time—right NOW.** It will pay you to order early, so you will have your seed to sow just at the right time.



MUSHROOM SPAWN.



MUSHROOMS.

MUSHROOMS can be grown wherever there is a warm cellar or close shed, in which an even temperature can be maintained of from fifty to sixty degrees, and where a plentiful supply of fresh horse-stable manure for making the beds can be obtained. The spawn we import frequently from the best English manufacturers comes in pressed bricks. These are broken up into pieces the size of a walnut and put into the bed 8 inches apart each way. Price per brick 25c. 5 lbs. \$1. postpaid; by express or freight, per brick 15c. 10 lbs. \$1.00. 25 lbs. \$2.

MUSHROOM CULTURE. This book teaches how to make beds, plant spawn and raise mushrooms. An American book by WM. FALCONER, a recognized authority on this subject. Cloth, \$1.00, postpaid.

MARTYNIA PROBOSCIDEA. The best variety for pickles. It is well worth growing, as the large plants with their handsome pods attract great attention, and the young seed-pods make delicious pickles. Pkt., 10c; oz., 30c; ¼lb., \$1.00; lb., \$3.00.

MUSTARD. IT IS CULTIVATED FOR SALADS OR GREENS

WHITE. Best for salads. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 40c.
BROWN or BLACK. More pungent in flavor than the White. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 40c.

SOUTHERN GIANT CURLED. Leaves twice the size of the ordinary White Mustard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 40c.

OKRA, or Gumbo.

The pods of this plant are regarded as a household necessity in the Southern States, but are not so well known nor so extensively grown as they should be in the North.

Improved Dwarf. Early. Pods comparatively short, but very numerous. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

WHITE VELVET. Of tall growth, with long pods which are round, smooth and velvety. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

VEGETABLE GARDENING....



A book of reference and instruction for the amateur as well as the skilled gardener.

By **SAMUEL B. GREEN,**

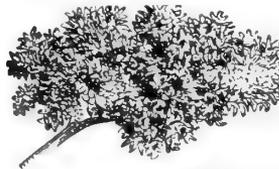
Professor of Horticulture in the U. of Minn.

Gives in simple language much valuable information. Paper, 65c; cloth, \$1.00; postpaid.

PARSLEY.

PLAIN OR SINGLE. Plain Leaves of excellent flavor. They are longer than those of the curled Parslies. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 60c.

HAMBURG. The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.



CHAMPION MOSS CURLED.

The plant in appearance resembles a tuft of green moss. The leaves are extra large, extra dark green, tender, crimped and curled. Just the thing for market men to sell in bunches of pot herbs. We recommend this sort. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 65c.

CHAMPION MOSS CURLED PARSLEY.

FINE DOUBLE CURLED. A curled variety having crimped leaves. It is used mostly for garnishing. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

PARSNIPS.

MAGNUM BONUM. It gives the utmost satisfaction and yields the most money to the market gardener because of its decidedly handsome appearance, smooth, heavy roots, which are broad at the shoulder, fine grained and of superior quality. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

HOLLOW CROWN. An old standard sort, long, sweet, and very productive. One of the best for general cultivation. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 45c.

IMPROVED GUERNSEY. This is a good, half-long variety, having smooth roots. It is of good quality and recommended for the family garden. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

EARLY ROUND. The earliest. Roots are of small size. Sometimes used for bunching with pot herbs. For shallow soils use this sort. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



PEANUTS.

When sending your seed order don't forget to order a few Peanuts for the boys and girls. It's lots of fun to cultivate Peanuts and ensures the young people a supply for the winter. Peanuts are a paying crop to grow.

EARLY VIRGINIAN. Of spreading habits; cultivate in ridges. Half lb., 15c; lb., 25c; postpaid.

SPANISH. The stems grow upright instead of spreading. Planted in May they yield a bountiful crop of nuts in September. This is a good variety on which to fatten hogs. Half lb., 15c; lb., 25c; postpaid.

PEAS, New and Standard Sorts.

Three
Best Peas
For Table Use.

Nott's Excelsior &
Heroine. & & &
Admiral Dewey &

They may all be planted the same time. Will be ready for use in succession and furnish an abundance of delicious Peas all summer.

PEAS will endure a good deal of cold either above or in the ground. The small seeded early sorts such as our **LEADER**, **Alaska** and **First and Best**, can be sown while frost is yet in the ground, while larger and sweeter peas sown at the same time would rot in the ground. Sow some of the early, second early, and late varieties at intervals of about two weeks apart, and your table will be supplied with delicious peas for a long time

Dwarf growing Peas require very rich soil and *need no support of any kind*; tall growing sorts should be trained to wire trellises or supported by brush. Wrinkled peas (indicated * thus) are the sweetest, and are recommended for the home garden.

* Northern Grown Extra Early Varieties. *

Figures preceding description indicate height in inches.

Barnard's Leader. 30 in. It is absolutely the *earliest of the earlies* and is a prodigious yielder, ripening with great uniformity. Pods of medium size, well filled with round, smooth peas of splendid flavor. Include this variety in your order. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

ALASKA. 24 in. A desirable, very early pea for market gardeners. Pods dark green, peas blue. Can be shipped long distances without losing its color. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25.

* Goodwin's PRIZEWINNER.

THE best all-around Early Sweet Wrinkled Pea. An ideal Pea for the market gardener. Only 4 days later than Alaska, and is a heavier cropper. Many vines bear eighteen pods, which are very uniform, slightly curved, containing from six to nine full sized peas, rarely finding any small ones at end of pod. Height 18 inches. Seeds light green. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

* **Nott's Excelsior.** One of the most valuable of Peas. Surpassing in earliness, yield and quality. This is usually ready for the table in 40 to 45 days from planting. It grows about 14 inches high. Of vigorous constitution and wonderfully productive. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75.

* **PREMIUM GEM.** 15 in. Requires no support. One of the most profitable peas for market or family use. It has been successfully used for forcing under glass. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

FIRST and BEST. 30 in. Stocky and vigorous grower. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.15.

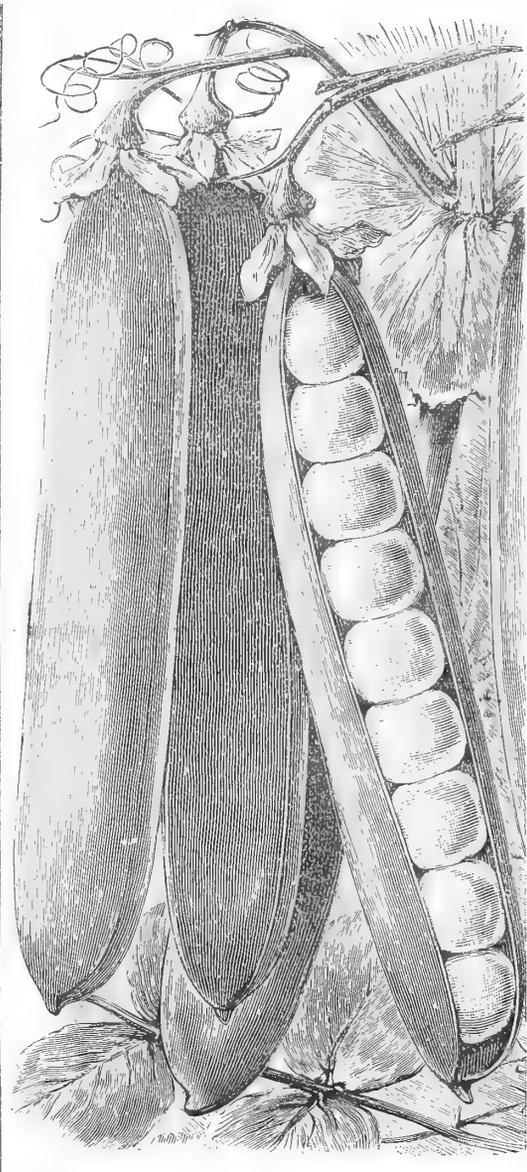
* **American Wonder.** 12 in. Its dwarf habit of growth makes it well suited for the home garden. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.75.

THOMAS LAXTON, Tall Growing, Early, Wrinkled.

THE growth is identical with that of Gradus, but the pods are of a deeper, richer green; **SQUARE AT THE END** instead of having a sloping point. Every market man who has tried it gives it unlimited praise. Although it commences to bear early, it continues to do so for some time; the peas also remain sweet and tender long after ready to pick. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.60.

Surprise. **ECLIPSE** or "**STATION**" Pea. This pea is as quick growing as the earliest of the smooth round-seeded extra earlies, but the wrinkled seed of course cannot be planted quite so early. The vines grow eighteen inches high and are thickly set with round, well-filled pods two and a half to three inches in length. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

Buyers of Peas in larger lots than pecks should ask for our MARKET GARDENER'S LIST.



Market
Men's
Money
Makers.

* **Barnard's Leader.**

The Earliest of the Earlies.

* **Surprise.** A First Early Wrinkled Pea.

* **Telephone.** See Illustration.

The Best of all LATE Peas.

Choice GARDEN PEAS==Continued.

Gradus. (Prosperity). As an extra early Pea, the Gradus, being wrinkled, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain but four to five peas to the pod, the Gradus usually contains from eight to twelve. Pkt., 10c; pt., 30c; qt., 50c; pk., \$2.50.

Tom Thumb. 12 inches. Peas smooth and white. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

Second Early Peas.

* **Heroine.** 30 inches. Bears a profusion of long, slightly curved, pointed pods containing 8 to 9 peas of fine quality. An immense cropper, yields much more than ordinary varieties. A great favorite for market purposes. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

* **ADVANCER.** 30 inches. It bears medium-sized pods that are well filled with dark green, large peas. Quality good as the best. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

* Dwarf Telephone.

It is one of the finest dwarf early green wrinkled Marrow Peas in cultivation, and one that ought to be grown in every garden whose owner appreciates Peas. In habit it is dwarf and stocky—about 24 inches high. The peas are of largest size, tender and delicious flavor. This variety is earlier than the well-known Telephone. Pkt., 10c; pt., 25c; qt., 45c.

* **Horsford's Market Garden.** A standard sort. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

* Admiral Dewey.

The largest podded pea of which we have any knowledge. Height, 3½ feet; foliage, vine, and pod rich dark green, producing pods frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender, and first-class flavor. Undoubtedly the best of all the class of long vine, large podded Peas. Pkt., 5c; pt., 25c; qt., 40c, postpaid. Pk., \$1.50.

EDIBLE PODDED.

Pods tender and succulent; in flavor equal to the best string beans. They are gathered while young, not shelled, but boiled whole. They can be made ready for the table in 10 or 15 minutes, and are good even when quite old. Excellent also for pickles.

DWARF SUGAR. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.60.

Sutton's Excelsior 18 in. Dwarf wrinkled. Ready for picking at the same time as Nott's Excelsior. A pea of sterling merit. Produces round-ended pods and peas of good quality. Pkt., 5c; pt., 25c; qt., 50c; pk., \$2.50.

Main Crop and Late Peas.

Telephone. Selected Stock. Immensely productive. Leaves coarse; vines grow 4 feet high. They produce enormously, and eight or ten pods to a vine. The pods are very large; so well filled with peas of excellent quality that **Telephone** has become one of the most prominent late peas to be grown for market. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50.

* Improved Stratagem.

For a main crop, wrinkled pea, it is difficult to find one better than this. For home use or market purposes no error will be made in selecting **IMPROVED STRATAGEM**. Grows 2 feet high. An abundant yielder; large, handsome pods. It gives satisfaction to every planter and makes money for the market gardener. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

* **CHAMPION OF ENGLAND.** 4½ feet. A standard late variety, adapted to the requirements of the private planter and professional gardener. Peas dark green. Comes in bearing just after Stratagem. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.15.

Long Island Mammoth. 3½ feet. A little earlier than Champion of England. Popular with market gardeners. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25.

Black Eyed Marrowfat. Pkt., 5c; pt., 20c; qt., 30c; pk., 75c.

Royal Dwarf White Marrow. Pkt., 5c; pt., 20c; qt., 30c; pk., 75c.

PEPPERS.

LARGE BELL OR BLUE NOSE. Mild, thick and hard; suitable for filling with cabbage, etc., and for a mixed pickle. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

LONG RED CAYENNE Hot and pungent; dwarf growth. Pkt., 5c; oz., 25c; ¼lb., 70c; lb., \$2.25.

CELESTIAL. Conical fruits, creamy tinted, turning to scarlet when ripe. Pkt., 5c; oz., 20c; ¼lb., 70c.

CHERRY RED. Smooth, round variety. Fruit glossy scarlet. Pkt., 5c; oz., 25c; ¼lb., 70c.

GOLDEN DAWN. Color bright golden yellow, very brilliant and handsome. Pkt., 5c; oz., 25c; ¼lb., 70c.

RUBY KING. The peppers attain a very large size. When ripe they are of a beautiful bright, ruby red color, and are mild and pleasant to the taste. Pkt., 5c; oz., 25c; ¼lb., 70c.

SWEET MOUNTAIN. Similar to the Bell, but larger, much used for stuffed pickles. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.00.



IT will be noted that in some points of excellence exactly the same claims are made for different peas. Thus **GRADUS** and **SURPRISE** are both wrinkled and extra early. One or the other will be a few days in advance, the latitude in which they are grown determining this superiority. It is suggested that the cultivator make comparative tests of varieties, selecting for future growing those which best seem to adapt themselves to climatic influences.

As an inducement to you to TRY our seeds we have made up three collections, all in regular sized packets, but at the surprisingly low price of 25c, 50c and \$1.00 each. See second cover page.

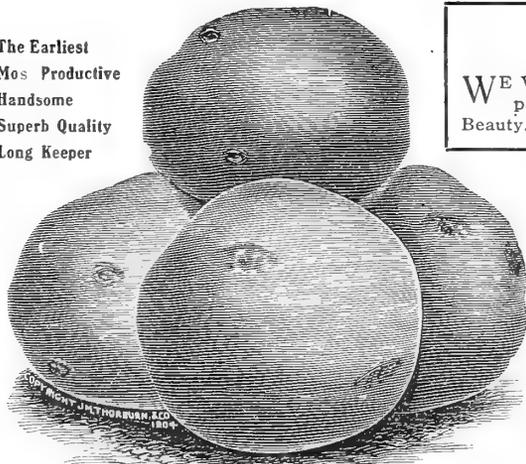
One Peck
Will Plant
125 Hills

Selected Seed Potatoes

In Drills 16
to 12 bus.
per acre

PURCHASER pays the transportation charges. Please order early and name a date when we shall ship. Safe arrival guaranteed if shipped at our discretion. Buyer assumes risk of heating or freezing. Our barrels contain 2¼ bushels; we make no charge for package or delivery to the carrier. We ship by freight, unless otherwise expressly instructed on your order as received by us. Prices are subject to market changes, and are net; no discount on Potatoes.

The Earliest
Mos Productive
Handsome
Superb Quality
Long Keeper



NOROTON BEAUTY.

Red River Early Ohio

WE HAVE SPLENDID SEED.

WITHOUT a doubt Early Ohio is the most popular early potato in the country. Tubers smooth, oblong in shape; resisting scab and dry weather well and bearing the even sized, abundant tubers compactly in the hill. A popular favorite with growers. Pk., 40c; bu., \$1.35; bbl., \$3.50.

EARLY ACME Strong, upright vines, bearing the prolific crop of high quality tubers very compactly. Can be planted closely in the row. Originated from a Snowflake seed ball which grew between Early Ohio and Early Rose. While resembling the Early Ohio, it has the more vigorous strength of a new stock. Pk., 40c; bu., \$1.35; bbl., \$3.50.

Carman No. 3

Doubtless the most popular late potato of the newer varieties. It yields great crops of fine, large, smooth potatoes, even under the most unfavorable circumstances, and can be relied upon to bring in money. Its good appearance, uniformity of shape, size (average one pound each), and productiveness make this a leading variety to grow for market. It has but few eyes and they are very shallow. The skin and flesh are extremely white, no hollow or dark parts. Cooks up dry and mealy every time. We are confident that it will soon be the most popular variety for field culture, on account of its enormous productiveness and great beauty. Pk., 25c; bu. \$1.15; bbl., \$3.00

SEED POTATOES BY MAIL

WE WILL send any varieties offered herein by mail or express prepaid at 25c per lb.; 3 lbs. for 25c with the exception of Noroton Beauty. A good way to get a start with a change of seed.

THORBURN'S NEW POTATO

"NOROTON BEAUTY"

THIS fine early potato is a lineal descendant of the old White Peachblow, so popular forty years ago. It is sixteen days earlier than Early Rose, perfectly round, and exceptionally uniform in shape. The ground-work of the tubers is white, slightly splashed with pink. On the table they proved mealy, of excellent quality and pleasant flavor. "The proof of the pudding is the eating."

Reduced price for this season will enable you to give it a trial. Price by mail or express, prepaid, 1 lb., 35c; 2 lbs., 70c; 4 lbs., \$1.00. Not prepaid, peck, \$2.00.

Rural New Yorker, No. 2

USUALLY called "Rural," is a medium, second early potato which is now well and favorably known the country over as a large yielder and of excellent quality. A profitable variety to raise, as it is quoted in all leading markets. Tubers nearly round, flattened, with very smooth, pure white skin always attractive in appearance. One of the very best varieties now in cultivation. Pk. 35c; bu., \$1.15; bbl., \$3.00.



VORNEHM is a German word meaning *delicious, fine, aristocratic*; in the front rank. One of the most reliable growers in the country says:

"VORNEHM much resembles the old Snowflake. It has the same creamy white skin and thick netting, with the peculiar rich, nutty flavor belonging to that variety. It cooks white and floury, and as a table potato seems absolutely perfect. Last season it yielded nearly 300 bushels per acre under ordinary field culture without any fertilizer, some hills turning out as high as twelve to fifteen merchantable tubers, all very smooth and uniform in shape, with eyes right on the surface."

Pk., 50c; bu., \$1.85; bbl., \$5.00.

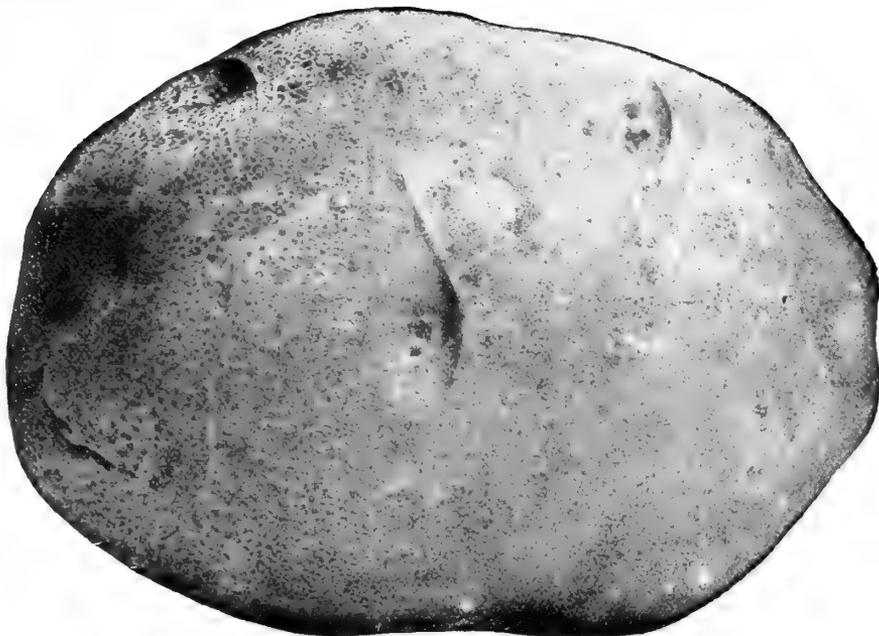
EVERY grower of Potatoes will find it to advantage to procure Leggett's Powder Gun, illustrated and described on page 95. It distributes Paris Green, Hellebore, Sulphur and DRY powder. Price, \$7.50 complete.

POTATOES FOR GENERAL CROP.—Continued.

Sir Walter Raleigh.

A Grand New Maincrop Potato

It closely resembles its parent Rural New Yorker No. 2, but is more uniform and yields practically no small tubers, every one being marketable. It is from 4 to 6 days later than R. N. Y.; the color of the skin is the same but the flesh is whiter and of better quality, being extremely fine grained. Its shape and appearance are such that it finds ready sale in market wherever offered. Pk. 35c; bu. \$1.15; bbl. \$3.00.



SIR WALTER RALEIGH.

Seed Sweet Potatoes.

Choice stock grown and handled expressly for seed purposes.

Please order early giving date you wish them shipped. We do not ship until planting time.

We pack Seed Sweet Potatoes for shipment in boxes and barrels with greatest care but as Sweet Potatoes are very susceptible to climatic changes we assume no responsibility for their condition after leaving our hands.

The following can be supplied.

YELLOW NANSEMOND, YELLOW JERSEY, RED BERUDA.

Any of the above. packed in boxes or barrels, Pk. 50c; bu. \$1.50; bbl. \$3.50.

.. PUMPKIN ..

KUEBBIS, Ger. POTIRON, Fr.
1 oz. to 15 hills; 4 to 6 lbs. to an acre.

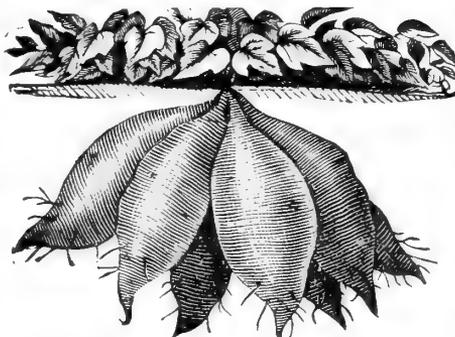
JAPANESE PIE PUMPKIN. Seeds peculiarly sculptured. Ripens early. Flesh thick; salmon colored; fine grained dry, and sweet. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

CALHOUN. Color outside is yellowish-brown, flesh salmon yellow, flesh thick and of splendid quality. Pies made from it are delicious to eat. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

CONNECTICUT FIELD. Oz. 5c; ¼ lb. 15c; lb. 40c.

LARGE CHEESE. Its fine flesh and rich color make it valuable for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

The seeds are planted with corn or potatoes, but may be profitably raised in fields by themselves. Sow early in May in hills eight feet apart. For monster Pumpkins for exhibition purposes plant Mammoth Tours in very rich ground and feed liberally with liquid manure.



SWEET POTATO PLANTS.

We can supply these in their season in any desired quantity. For prices on these and any other vegetable plants see end of Vegetable seedlist. For large quantities special quotations will be given on application.

WINTER LUXURY. As a cooking variety and winter keeper it stands unequalled.

It is nearly round, 9 to 10 inches in diameter; of a golden yellow color, netted like a muskmelon. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. \$1.00.

TENNESSEE SWEET POTATO. Pear shaped. Color of skin and flesh creamy white; flesh thick, when cooked resembles sweet potatoes. Keeps late into spring. This is an old favorite pumpkin. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

SUGAR. An excellent small round Pumpkin, with deep orange colored skin, flesh sweet and sugary. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 75c.

MAMMOTH TOURS. Grown chiefly for exhibition purposes and for stock feed. It grows to an enormous size, frequently weighing over one hundred pounds. Skin salmon color, flesh yellow, keeps a long time. Pkt. 5c; oz. 15c; ¼ lb. \$5.00 lb. 90c

Send Today for Our Special Catalogue

FLORICULTURAL AND HORTICULTURAL LITERATURE.

Its pages contain invaluable information and reference of interest to all engaged in the cultivation of plant life, either flower or vegetable. 96 pages, paper covers. To intending book buyers we send it without charge.

RADISH...

RETTIG, Ger.
RADIS, Fr.

1 oz. to 100 ft. of drill; 9 or 10 lbs. per acre in drills.

EARLY SCARLET TURNIP. A round, deep scarlet variety, desirable for general use. Flesh white, mild when young.

EARLY SCARLET TURNIP White Tipped Forcing Strain

THIS RADISH, beautiful in form and of handsome appearance, is extremely early, being ready for use in two or three weeks after planting. On account of its small tops this radish can be grown planted very closely together. Desirable for hot bed and greenhouse planting.

EARLY SCARLET TURNIP, White tipped. Among the Chicago gardeners this is by far the most popular early Radish for planting in succession. Tops and roots both small, skin bright scarlet shaded to white at the tip; flesh white, mild and crisp. An ornamental variety of quick growth for forcing.

ROSY GEM. It is one of the very earliest in cultivation; globular, with rich, deep scarlet top, blending into pure white at the bottom. Exceedingly tender, crisp and delicious, very desirable for forcing, being fit to pull in three weeks from sowing.

NE PLUS ULTRA. A very superior early forcing Radish. It will mature in 18 to 20 days. The tops are quite small, the roots are globular with deep red skin; flesh white, crisp and tender.

PHILADELPHIA WHITE BOX. A white turnip-shaped radish of extra fine quality. Its short top and rapid growth make it most suitable for growing under glass, in frames or boxes, as well as for early sowing in the open ground.

YELLOW SUMMER TURNIP. Very symmetrical and uniform; nearly round with grayish white skin, covered with a bright yellow russeting which makes it very attractive. The flesh is compact white and rather pungent. Quite popular with some growers.

EARLY ROUND DARK RED. This new radish is one of the quickest growing and handsomest extra early varieties in cultivation. Its richness of the color of skin, crispness; and oval shape make it one of the most attractive.

FRENCH BREAKFAST. Skin scarlet on the body and white at the extremity; flesh white, tender and mild.

EARLIEST CARMINE OLIVE. A new distinct and beautiful variety of great forcing value. The roots are crisp and tender, much larger than those of the turnip sorts, while the tops are far smaller. A most valuable variety.

WOOD'S EARLY FRAME. Fully ten days earlier than Long Scarlet. Shape not quite so long.

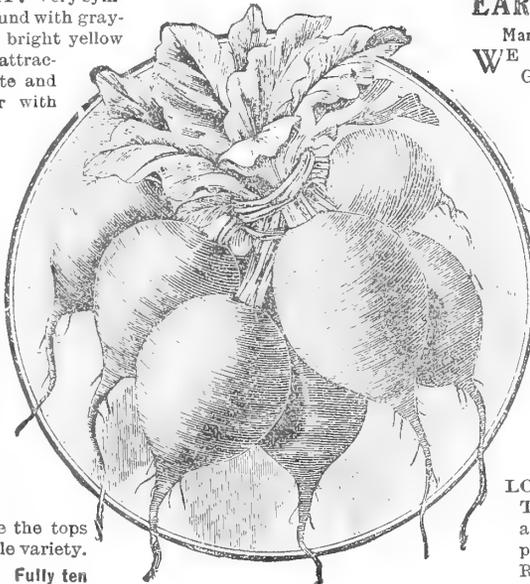


EARLY SCARLET GLOBE.

EARLY SCARLET GLOBE

Market Gardeners' Improved Strain. **W**E illustrate a bunch of Scarlet Globe Radishes (made from photograph) raised by one of our local gardeners. This radish forms large, handsome, bright scarlet roots. For forcing under glass in the greenhouse, hot-bed or cold frames there is no better paying variety than this, and it sells better than most others. In flavor it is mild, crisp, juicy and tender. It makes a small top and stands a great amount of heat without becoming pithy. Sown in the open ground in early spring it will produce radishes five or six days ahead of all others.

LONG SCARLET, SHORT TOP, Improved. The Standard sort for out of door culture in private gardens and for market. Root 6 to 9 inches in length, straight and smooth, growing half out of the ground.



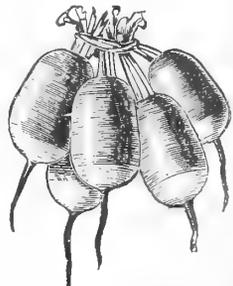
NE PLUS ULTRA.

EARLIEST CARMINE OLIVE. A new, distinct and beautiful variety of great forcing value. The roots are crisp and tender, much larger than those of the turnip sorts, while the tops are far smaller.

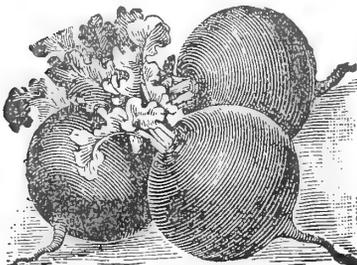
ROSE, OLIVE SHAPE. Skin rose-colored, flesh rose-tinted, tender and of excellent flavor.

WHITE OLIVE SHAPE. Similar except in color.

GIANT WHITE STUTTGART. Root very large, heart-shaped, and of vigorous, quick growth, maturing in five weeks; skin and flesh white, the latter constantly brittle and mild flavored at all stages of development. Remarkably slow in running to seed, even in the severest heat.



FRENCH BREAKFAST



EARLY ROUND DARK RED.

RADISH—CONTINUED



BRIGHTEST LONG SCARLET, or Cardinal. This fine French variety is of strikingly beautiful appearance. Color vivid scarlet tipped with white, and for so long a Radish is *very early*, being ready for use in twenty-five days after sowing the seed. Excellent for the home garden, and especially desirable for market.

IMPROVED CHARTIER. A long and unusually large American sort, which is one of the very best for outdoor sowing. Roots bright crimson in upper portion, shading to white at the tip. Comes in quite early, remaining crisp and mild much longer than many others.

LONG WHITE VIENNA, or Lady Finger. Straight, smooth white roots, fine grained, white flesh, tender.

WRITE STRASBURG. The most popular summer Radish grown. Of handsome oblong shape, tapering to a point. Both skin and flesh are pure white, almost transparent; tender, and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed; yet will continue to grow without losing its fine qualities.



Mammoth Sandwich Island Salsify.

SALSIFY

OR OYSTER PLANT.

1 oz. for 100 ft. of drill.

Soil and culture should be the same as for Parsnips, taking pains to make sowings as early as practicable each spring.

MAMMOTH SANDWICH ISLAND. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Pkt. 5c; Oz. 15c; ¼ lb. 45c; lb. \$1.65.

WINTER RADISHES.

Sow about the same time as Winter Turnips.

CHINESE WHITE. A long white Radish, introduced into this country by the Chinese in California. Flesh tender and crisp. Keeps well through winter.

CHINESE ROSE. Skin very smooth and of a bright rose color. Flesh firm, crisp and pungent.

LONG BLACK SPANISH. Black skin. Flesh white, firm of excellent flavor. One of the hardiest and finest

ROUND BLACK SPANISH. Similar to above except in form.

RHUBARB.

VICTORIA. Leaf stalks very large. Skin thick and red-stained. Pulp quite acid. Very productive and profitable for market. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. \$1.35.

LINNEUS. The earliest variety grown. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

RHUBARB ROOTS.

Set out in spring they will furnish leaf stalks the following season. We offer the largest variety only. *Small roots* each 10c; doz. \$1.00, by mail postpaid. *Extra large clumps* by express or freight, each 15c; doz. \$1.50, not prepaid.

RADISH SEED Free by mail. Deduct 10c per pound if by express. Write for prices on large lots.

	Pkt.	oz.	¼ lb.	lb.
TURNIP. Early Scarlet. Very early for general use.....	\$0 05	\$0 10	\$0 20	\$0 55
“ “ Scarlet, White tipped. <i>Forcing strain.</i> Beautiful and profitable.....	05	10	20	65
“ “ Scarlet, White tipped. Valuable strain for market garden.....	05	10	20	55
“ “ White. Otherwise same as scarlet.....	05	10	20	55
“ “ Yellow. Delicious flavor.....	05	10	20	70
“ “ Round Dark Red, Extra early and attractive.....	05	10	20	60
“ “ Scarlet Globe. Market. Improved strain for forcing or field.....	05	10	20	60
“ Non Plus Ultra. Extra early and short leaved.....	05	10	20	60
“ Rosy Gem. Early and attractive; forcing.....	05	10	20	55
“ Yellow Summer. Pungent. Locally popular.....	05	10	20	70
“ Giant White Stuttgart. Mild, crisp and long in condition.....	05	10	20	60
OLIVE-SHAPED. Earliest Carmine. New and valuable for market.....	05	10	20	60
“ French Breakfast. Old standard. Good.....	05	10	20	55
“ Rose. Early and handsome. Flesh tinted.....	05	10	20	55
“ White. Same as above except color.....	05	10	20	60
LONG. Scarlet, Short Top. Improved standard sort.....	05	10	20	55
“ Wood’s Early Frame. Excellent for early crop.....	05	10	20	55
“ Brightest Scarlet. Handsome French sort for home or market.....	05	10	20	55
“ Improved Chartier. Mild. Crimson and white tipped. For outdoor planting.....	05	10	20	55
“ White Vienna or Lady Finger. Crisp summer sort.....	05	10	20	55
“ White Strasburg. Most popular summer sort.....	05	10	20	55
WINTER. Chinese White. Good quality and keeps well.....	05	10	20	60
“ Chinese Rose. Handsome and tender.....	05	10	20	60
“ Long Black Spanish. Hardy and excellent.....	05	10	20	60
“ Round Black Spanish. Good.....	05	10	20	60

SPINACH. SPINAT, Ger. This is an important crop for the market gardener. It is of easy cultivation. Sow for main crop in September, either broadcast or in drills one foot apart and one inch deep, in rich soil; the stronger the ground the more delicate and succulent will be the leaves. Protect during the winter with hay or straw. For spring and summer use, sow as soon as the ground can be worked, and every two weeks for succession. Makes delicious greens.

1 oz. for 100 feet of drill.
10 to 12 lbs. in drills per acre.

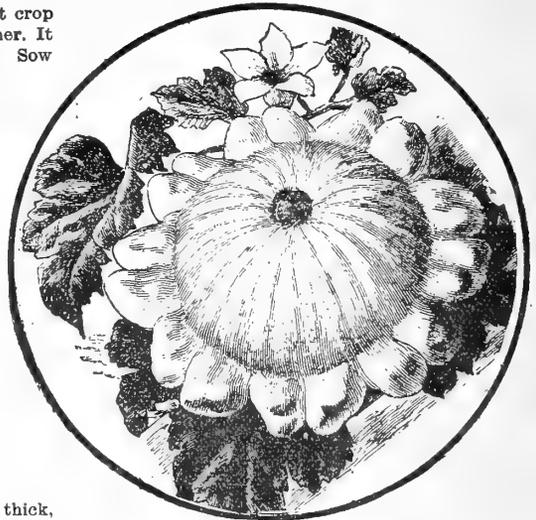
BLOOMSDALE, or Savoy Leaved. Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz. 5c; ¼ lb. 10c; lb. 35c.

LONG STANDING. Leaves dark green and thick. Not inclined to turn to seed for a long time. Very popular with market gardeners. Oz. 5c; ¼ lb. 10c; lb. 35c.

THICK LEAVED ROUND. One of the best market sorts for spring or autumn sowing. Oz. 5c; ¼ lb. 10c; lb. 35c.

PRICKLY WINTER. Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz. 5c; ¼ lb. 10c; lb. 35c.

VICTORIA. Matures later than other sorts. Leaves broad and thick, very dark green, almost black. It is sure to please. Oz. 5c; ¼ lb. 15c; lb. 40c.



WHITE BUSH SQUASH.

SQUASH. SPEISE KURBIS, Ger
COWEGE, Fr.

1 oz. for 50 hills, 4 to 6 lbs. per acre.

GOLDEN CUSTARD. Grows frequently two feet in diameter, larger than any of the scalloped sorts. Rich golden yellow. It grows in bush form.

WHITE BUSH, Scalloped. This and the Yellow Bush, scalloped, are grown for first crop. The hard rind makes it valuable for shipping.

GOLDEN SUMMER CROOKNECK. Orange yellow covered with warty excrescences.

GIANT SUMMER CROOKNECK. In this we have the flavor of the original sort, but the squashes are twice the size.

PERFECT GEM. Nearly round; skin, creamy white; flesh, fine grained. Bears small squashes.

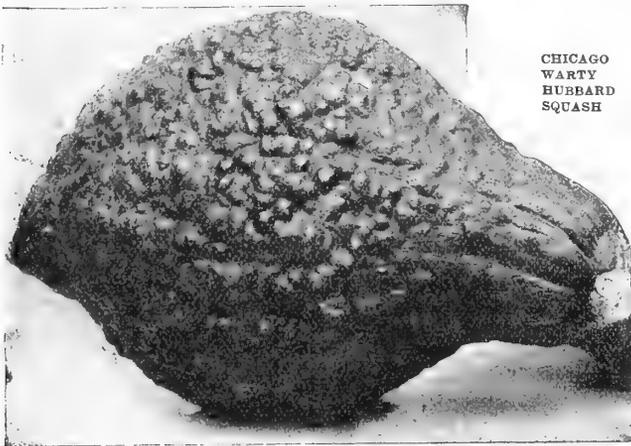
FORDHOOK. Small; pear shaped or oblong; flesh thick, straw colored. Very early.

ORANGE MARROW. The earliest by ten days of the winter squashes. It is creamy orange in color; fine form, handsome appearance.

BOSTON MARROW. Oval form. Flesh salmon yellow, dry grained and sweet. A splendid sort.

WE solicit unmounted photographs of Vegetables or Flowers grown from seeds supplied by us. Suitable ones will be reproduced in our catalogue next season. Send before Oct. 1. Put your name and address upon the photos.

GOLDEN HUBBARD. Identical in form and quality with the well-known Hubbard, except that the skin is a beautiful deep orange-yellow.



CHICAGO WARTY HUBBARD SQUASH

CHICAGO WARTY HUBBARD SQUASH. This fine form of the Hubbard is a favorite one with many market men. It is striking in appearance and the warty knobs draw general attention. Having been selected for years by a Chicago gardener, it now combines all the good points of the original Hubbard, with rougher, harder warty shell. Flesh finer color.

HUBBARD. Regarded as the standard winter squash. Very hard shell; excellent keeper, the best for table use. Flesh dark yellow, fine grained, dry and sweet. Our seed is most carefully selected, and will give satisfaction.

SQUASHES WORTH GROWING. Free by mail. Special prices on large lots.

	Pkt.	Oz.	¼ lb.	lb.
Golden Custard. Very large. Quality good.....	\$ 05	\$ 10	\$ 20	\$ 80
Silver Custard. Not quite as large as Golden. Both of fine quality.....	05	10	20	80
White Bush. Scalloped. Early. Good shipper.....	05	10	30	1 00
Yellow Bush. Scalloped. Differs from above only in color.....	05	10	30	1 00
Golden Summer Crookneck. Best for summer use.....	05	10	25	90
Giant Summer Crookneck. Mostly straight necked. Large and good.....	05	10	30	1 00
Perfect Gem. Round and white. Fair for fall or winter. Prolific.....	05	10	20	80
Fordhook. One of the best for winter.....	05	10	20	80
Boston Marrow. Dry and sweet. Pie or table use. Very prolific.....	05	10	20	80
Orange Marrow. Keeps well and in demand by pie makers.....	05	10	20	80
Essex Hybrid. Early in maturing and can follow peas, &c.....	05	10	30	1 00
Hubbard. The standard winter sort. Selected seed.....	05	10	30	1 00
Hubbard Golden. Only differs in color. Fine grained and excellent flavor.....	05	10	30	1 00
Hubbard Chicago Warty. Deemed more hardy and valuable than parent.....	05	10	30	1 00

TOMATO.

LIEBESAPPEL, Ger.
TOMATOE, Fr.

1 oz. to 1500 plants; ¼ lb. to transplant per acre.

FORDHOOK FIRST A smooth, solid Tomato, red and purple, of handsome appearance. It is *extremely early*. Medium size, tough skin.

FREEDOM. An extra early sort, smooth, round and bright scarlet. Very productive, it is the equal of any other in form, color, solidity or other essential quality. Fruit in clusters and few seeded.

ACME. Improved Strain. Ripens early, of medium uniform size; glossy red with purplish tinge, and smooth, free from cracks. An excellent Tomato for market gardeners' use, as it ships well.

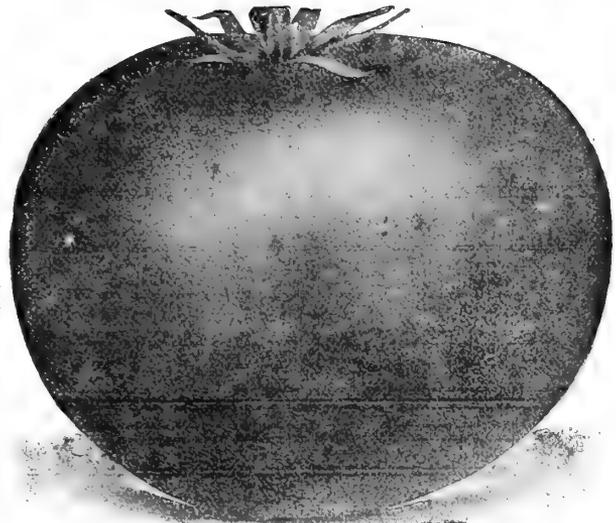
DWARF CHAMPION. Dwarf and compact in growth, the plants grow stiff and upright, with foliage unlike most others. Fruit in form and color like Acme. Recommended for the home garden.

ARISTOCRAT. Resembles Dwarf Champion, but its color is a rich pleasing red. Up to standard in all respects. Good for greenhouse or small garden, as it can be set 2x3 feet apart in the row.

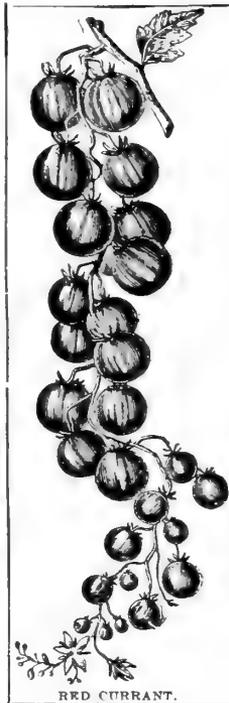
IMPROVED BEAUTY. A favorite both for the home market or shipping purposes. Medium early.

SPARK'S EARLIANA and Livingston's New Globe tomatoes are among the very newest and most desirable. See page 3.

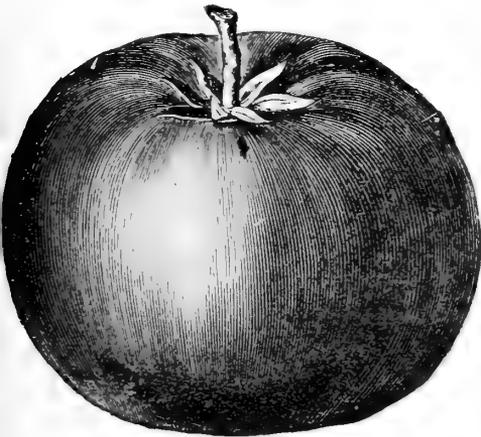
ATLANTIC PRIZE. Color and flavor good for a very early Tomato. Fruit sets low on the stem in clusters which ripen evenly.



TOMATO "MAGNUS"



RED CURRANT.



THE IMPROVED ACME TOMATO.

MAGNUS. Unsurpassed in quality and productiveness. Robust and short jointed, is well adapted for the greenhouse. Color, red with purplish tinge.

CRIMSON CUSHION. This splendid new Tomato is more symmetrical in shape than the Ponderosa. The color is brilliant scarlet crimson, untinged with purple, and ripens up almost completely to the stem.

PONDEROSA or No. 400. Handsome in appearance, smooth, of a dark, rich, crimson color, and a delicious sub-acid flavor. Solid, almost seedless. Fruits somewhat rough; excellent for stewing.

STONE. One of the extra large fruited sorts. Solid and firm-fleshed as its name indicates. Smooth, ripening to the stem without a crack; color, bright scarlet, fine for canning; quality, the best. It is popular everywhere,

GOLDEN QUEEN. A real good *yellow* sort of *first-class quality*. On the table the golden yellow slices make a beautiful contrast with the red sorts. Makes splendid preserves.

TREE TOMATO, So called from growing in tree like form and bearing large, plump red fruit that is extremely solid, hard and of excellent quality.

SMALL FRUITED TOMATOES.

Yellow Plum, Red Currant and Red Cherry.

STANDARD TOMATO SEED.

Deduct 10c per pound if by express.

	Pkt.	Oz.	¼lb.	1b.
Fordhook First. Extra early. Fine, smooth and solid.....	\$ 05	\$ 15	\$ 55	\$2 00
Freedom. Extra early and desirable in all respects.....	05	20	60	2 25
Acme. Improved strain. Well known standard. Pinkish fruit.....	05	15	55	2 00
Dwarf Champion. Stocky and upright. Home garden.....	05	25	90	3 25
Aristocrat. Stocky and prolific. Color and quality good.....	05	15	55	2 00
Improved Beauty. Large, solid, smooth. Purplish tinge.....	05	15	55	2 00
Atlantic Prize. Extra early, smooth and bright red.....	05	15	55	2 00
Royal Red. Intense and brilliant color, good for main crop.....	05	15	55	2 00
Crimson Cushion. Extra large and handsome, prolific and good quality, canning.....	05	25	90	3 25
Perfection. An improved Acme with blood red skin.....	05	15	55	2 00
Magnus. Large, late purplish fruit.....	05	20	70	2 50
Ponderosa. Largest, sub-acid and solid.....	05	25	90	3 25
Stone. The standard for general purposes.....	05	15	55	2 00
Golden Queen. First-class in form and flavor. Preserves.....	05	20	70	2 50
Tree Tomato. Upright. Good quality.....	05	25	75	3 00
Yellow Plum, Red Currant, Red Cherry. Small fruited.....	05	20	60	2 25

TURNIP.

WEISZE RUEBEN, Ger. NAVET, Fr.

1 oz. for 150 ft. of drill; 1 to 2 lbs. in drills per acre

The best soil is a *new* light, rich loam, entirely free from fresh manure. Sowing for summer use should be made very early in the spring; for fall or main crop from middle of July to middle of August. The small varieties may be sown broadcast if the ground be free from weeds. In the case of the large sorts, however, greater yields and better results in every way will be derived from drill sowing. Make drills 14 inches apart, ¼ inch deep, and when of sufficient size, thin the roots to 5 or 6 inches distant. For succession, sow at intervals of a fortnight. Sow if possible just before a rain.

EXTRA EARLY PURPLE-TOP MILAN.

Handsome appearance; somewhat flattened, white with purple top. Two weeks earlier than Purple-top Strap Leaf. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 70c.

EARLY MUNICH. Purple-top; white flesh of fine grain and flavor. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 70

PURPLE-TOP STRAP LEAF. The leading, standard American variety. Good for early spring and fall use. Color, red or purple above ground, white below. Pkt., 5c, oz., 7c, ¼ lb., 15c, lb., 40c.

PURPLE-TOP WHITE GLOBE. It is an early and a heavy cropper as well as a good keeper. The bulb is globular, handsome, and good for the table and for stock. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 60c.

EARLY WHITE FLAT DUTCH STRAP LEAVED. Bulb of medium size and flat. Skin pure white. One of the surest croppers of early sorts. Pkt., 5c, oz., 10c, ¼ lb., 15c, lb., 50c.

WHITE EGG. Used for spring and fall sowing. Egg shaped growing half out of the ground. Flesh sweet and mild. Pkt., 5c, oz., 7c, ¼ lb., 15c, lb., 60c.

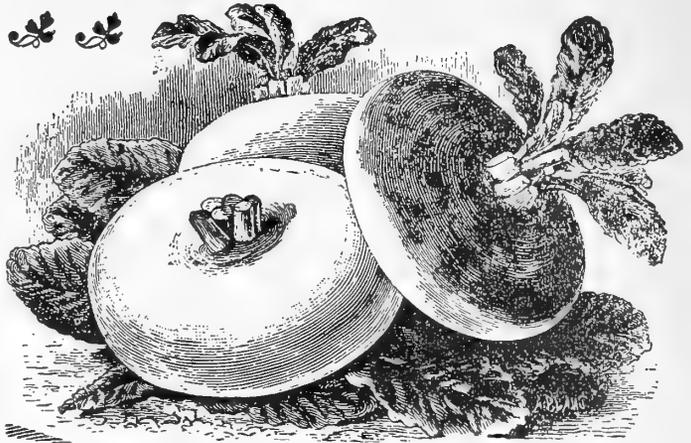
WHITE STRAP LEAF. A sub variety of the Purple-top Strap Leaf, from which it differs mainly in the coloring of the skin. Early, productive, of excellent quality, good for either field or garden. Pkt., 3c, oz., 7c, ¼ lb., 15c, lb., 45

WHITE FLAT NORFOLK. Bulb round, flat. Flesh white, sweet, and excellent for stock feeding. A late variety, attaining large size. Pkt., 3c, oz., 7c, ¼ lb., 15c, lb., 40c.

SNOWBALL or Six Weeks. Extra early. Bulb round, white, medium size. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 60c

POMERANIAN WHITE GLOBE. A large and most perfect globe in shape, skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 60c

PURPLE-TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Pkt., 5c, oz., 10c, ¼ lb., 20c, lb., 60.



EARLY WHITE MILAN AND PURPLE-TOP STRAP LEAF.

RUTABAGAS, or SWEDES.

1 to 2 lbs. in drills per acre.

Swede Turnips are really preferable for stock feeding, on account of their superior nutritive as well as better keeping qualities. Some of the finest are desirable and popular for table use also. The ground should be dry and thoroughly enriched. The sowing at the North may be made from the middle of June to the middle of July.

AMERICAN PURPLE-TOP. Deep purple above, yellow underneath; flesh yellow, solid and sweet. Good for stock or table use. Pkt., 5c, oz., 7c, ¼ lb., 15c, lb., 40c.

WHITE SWEDE or Russian. Grows very large; excellent for table or stock, flesh firm, white, solid, has a very rich and sweet flavor. Pkt., 5c, oz., 10c, ¼ lb., 15c, lb., 40c.

LAING'S IMPROVED PURPLE-TOP. Yellow flesh. A good variety for the garden. Pkt., 5c, oz., 7c, ¼ lb., 15c, lb., 40c.
SKIRVING'S PURPLE-TOP. Flesh, yellow. Good keeper. Pkt., 5c, oz., 7c, ¼ lb., 15c, lb., 40c.

TOBACCO SEED.

1 ounce of seed will sow a bed of fifty square yards.

The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish, in the spring, on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about six inches high, transplant into rows four or five feet apart each way.

CONNECTICUT SEEDLEAF. This variety is grown in the Middle and Northern states, being comparatively hardy. Pkt., 5c, oz., 20c, ¼ lb., 60c.

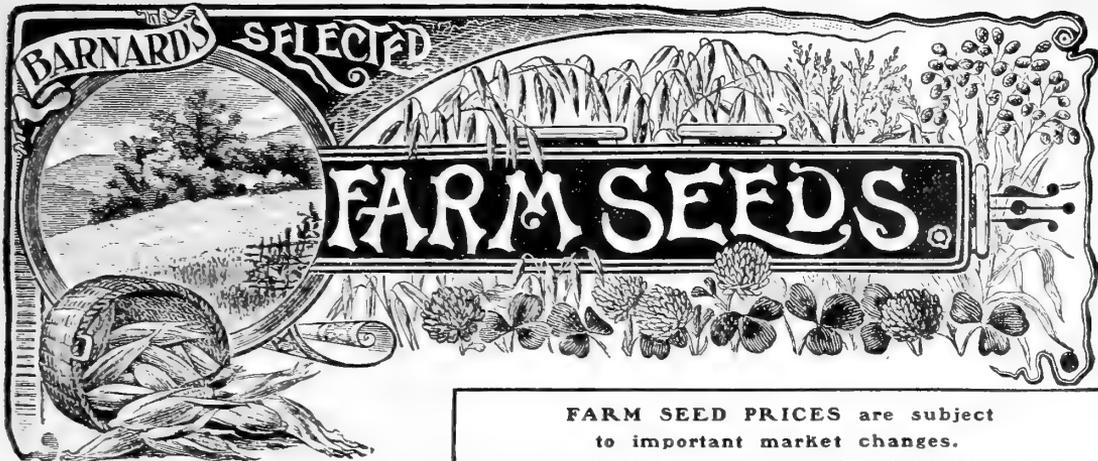
HAVANA. The seed offered is a superior strain of Cuban grown stock. Pkt., 10c, oz., 40c, ¼ lb., \$1.

Special Notice.

Prices do not include prepayment or postage. If wanted by mail add 6 cts. per doz.; 12 cts. for 50; 20 cts. for 100.

Vegetable Plants

	Doz.	50.	100.	1,000
CABBAGE. Early varieties, transplanted. Ready April 15th,	\$0.15	\$0.35	\$0.60	\$4.25
CABBAGE. Late varieties. Ready June 1st		.20	.30	1.75
CAULIFLOWER. Early varieties, once transplanted. Ready April 15th or thereabout	.20	.45	.75	6.00
CAULIFLOWER. Late varieties. Ready June 20th		.30	.50	4.00
CELERY. Sheared back several times. Ready in June	.15	.30	.50	4.00
SWEET POTATO. Ready in middle May		.25	.35	2.50
TOMATO. Twice transplanted	.15	.80	1.00	7.00
EGG PLANT. Twice transplanted. Ready May 15th	.20	.60	1.00	
PEPPER. Twice transplanted. Ready May 15th	.20	.60	1.00	



FARM SEED PRICES are subject to important market changes.

FULLY appreciating the great importance to the farmer of good field crops, we continue to give very close attention to this department of our business, exercising the utmost care to secure the best varieties, thoroughly cleaned, and of the finest possible QUALITY. Many large farmers are numbered among our patrons.

The prices given below are NET, free on cars, this city, purchasers paying all transportation charges; at the prices quoted here we make no charge for bags or cartage. Where customers are in need of large quantities we will be pleased to quote them, on application, the lowest prices that the market will justify at the time. Tell us as nearly as possible how much you require.



Jerusalem Artichoke Roots

Best food for hogs of its kind known.

Three bushels will plant an acre. Cultivate same as potatoes. The roots need not be dug; the hogs should be turned in on them, and will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. Lb., 20c; 3 lbs., 50, postpaid. By freight or express, peck, 30; bu., \$1.00. Larger lots, write for prices.

SEED BARLEY

48 lbs. to bushel. Sow 50 to 90 lbs. to the acre.

This crop is receiving more attention in some parts of the country than formerly. It has proved of inestimable value to every one who feeds stock, either alone or mixed with other feed. It also brings a fair price in market.

MANSHURY. The best 6-rowed barley grown. Ripening early, the long heads are well filled out with heavy grain. Has strong, upright straw, therefore easy to harvest. Yields bountifully. Lb., 15c, postpaid; pk., 40c; bu., \$1.00, not prepaid.

WHITE HULLLESS. A Great Novelty in Barley.

Plump, heavy kernels, which, when threshed, are hullless like wheat kernels. Early, prolific, well-filled heads. Straw is fine for feeding. No beards. As fattening feed for hogs it has no equal. It makes sweeter meat by far than corn. 20 hogs made a gain of 106 pounds to the hog in five weeks. The best way to feed it is to grind it and feed it dry, with clear cold water in another trough for them to drink out of.

Prices: Lb., 20c, postpaid; pk., 50c; bu., \$1.50, not prepaid.

BROOM CORN

EVERGREEN. Grows about 8 to 10 ft. high, stands up well, and is entirely free from crooked brush. The fiber is long and fine. It will not get red in the field before it is cut, but is strictly a green variety of brush. Lb., 15c, postpaid; pk., 40c; bu., \$1.00, not prepaid.

BUCKWHEAT

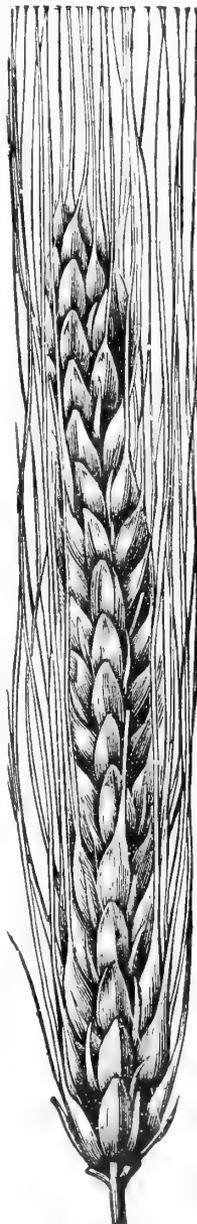
Sow 3 pecks to 1 bushel to the acre.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Beekeepers cultivate it for pasturage.

JAPANESE. It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., 15c, postpaid; pk., 35c; bu., \$1.25.

SILVER HULL. Grain silver-gray in color, Rounder than common buckwheat, is earlier, has a thinner husk, and yields more. Lb., 15c postpaid; pk., 30c; bu., \$1.15.

COMMON BUCKWHEAT. Selected Seed. Lb., 15c, postpaid; pk., 30c; bu., \$1.00.



MANSHURY BARLEY

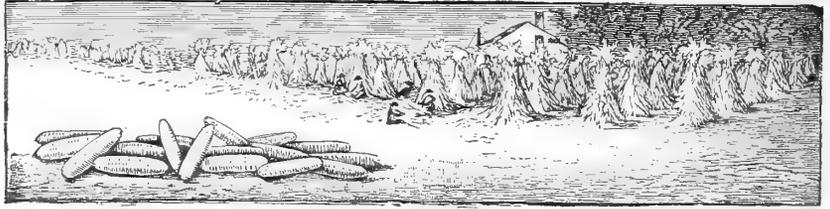
An Asparagus Bed

Is the source of a good income on many farms. The best time to set the roots out is in spring. We have first-class well-matured plants, 100, 75c; 1,000, \$5.00. Add 25c per 100 for postage.

Asparagus.—By F. M. Hexamer. This is a practical and reliable treatise on the selection and preparation of the soil, planting, cultivation, manuring, cutting, bunching, packing and marketing. Special emphasis is given to the importance of Asparagus as a farm and money crop. Illustrated. Cloth, 50 cents, prepaid.

FIELD CORN

CHOICE SEED



THE VARIETIES OFFERED by us are among the very best now in general use. This Seed Corn is carefully selected, cured and shelled. At these very liberal prices no one can afford to take risks with inferior seed. Special prices will be made to buyers of large quantities. Tell us how many bushels you need.

It costs less than 25c an acre to use our carefully selected SEED CORN. The best is the cheapest.

—REID'S—

Yellow Dent

Matures in About 105 Days.

Has Taken Many Prizes.

THIS is a very popular variety among the corn growers of Illinois and Iowa. It is almost certain to be seen at all corn shows and fairs, and usually carries off the highest premiums offered.

DESCRIPTION: The ear is of excellent shape, nearly cylindrical, tapering gradually to tip, length about 10 inches, kernels firm on cob, eighteen to twenty-four rows with narrow space between rows, color medium yellow with red cob. The ear is quite solid and rather smooth; matures in about 105 days and yields well although not equal in this respect to some other sorts. Grown quite largely by farmers who take pride in the quality of their corn. We offer a very choice selection of seed.

Longfellow.

Early Yellow Flint Corn.

The Favorite With Dairymen.

THE most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide and cob very small. Ripens in 75 to 85 days, and very prolific. Well adapted to the northern states and largely grown in northern Wisconsin and Minnesota.

WHITE CAP YELLOW DENT.

16 to 18-Rowed. Matures in 90 to 100 Days.

small cobs. The outer end of the grain is white, deeply dented. The inside is yellow. The fodder is abundant and of superior quality, as it remains green after the grain is matured. Many of our customers who have tried this think it the best variety.

WE wish to impress upon buyers the advisability of ordering Seed Corn early. In past seasons we have been obliged to return money, the demand far exceeding what was deemed an ample supply.

—PRIDE—

OF THE NORTH

Matures in Ninety Days.

A 16-Rowed Yellow Dent.

THIS IS undoubtedly the best known of the early Yellow Dents. Ears 8 to 10 inches in length and 1¼ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 60¼ pounds of shelled corn and only 9¼ pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height—6 to 8 feet.

IOWA GOLD MINE

Requires about 95 Days in the Latitude of Iowa.

A Bright Golden Yellow.

IN THIS grand corn farmers will find a veritable mine of wealth. It is early, ripening only a few days later than Pride of the North; ears are of good size and symmetrical; color a bright golden yellow; grain is very deep; cob small. **Seventy pounds of ear corn makes 60 to 64 pounds of shelled corn**, and in hauling to market weighs out five bushels more to the wagon load than common varieties in the same size wagon. Selected ears of this variety produce **64 pounds of shelled corn and only 6 pounds of cobs to the bushel.**

For poor, thin land, this is the Seed Corn to plant for good crops. It is a strong grower (6 to 7 feet high), resists heat and drought wonderfully, yielding good large ears on the fodder is abundant and of superior quality.

TO AVOID DELAY, when ordering late, mention your second choice, should we be sold out of variety ordered.

SEED FIELD CORN—Continued

Improved LEAMING



A medium early, yellow dent ripening in about 100 days. Having large, broad leaves, it is a good sort to grow for ensilage. It has been tested and proved satisfactory in nearly all the corn-producing states. A heavy yielder and rich in the qualities which make it valuable to stock feeders. We offer some very choice seed of the improved strain.



The BOOK of CORN

By Herbert Myrick

Upwards 500 pp.
Cloth, \$1.50.

Of indispensable utility to every one interested in this crop, whether as farmer, shipper, or dealer.

WHITE FIELD CORN

IOWA SILVER MINE

Matures in about 100 days in the Illinois corn belt, say south of Chicago. The stalks grow to a height of 7 or 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length, and often weigh 1½ pounds. They are uniform in size and shape, with 16 to 20 straight rows of deep, pure white kernels on a very small cob. It is the heaviest yielder we know, having produced over 300 bushels to the acre.

CHAMPION WHITE PEARL

A pure white early corn, maturing in 90 to 100 days. Very prolific; the grain is long and wide, two of which will span the cob. The cobs are unusually small for the size of the corn, and are almost all white. The ears are medium-sized, 16-rowed, and can be planted much thicker than a large corn and yet bear full-sized ears. Makes splendid meal, and very largely grown for that purpose throughout the Middle States.

WISCONSIN WHITE DENT. A standard early variety. It is 16 to 20 rowed, deep grained, medium sized ear, with a small cob. In sections of Wisconsin where other varieties of corn were almost failures this handsome White Dent matured good crops in a very backward season.

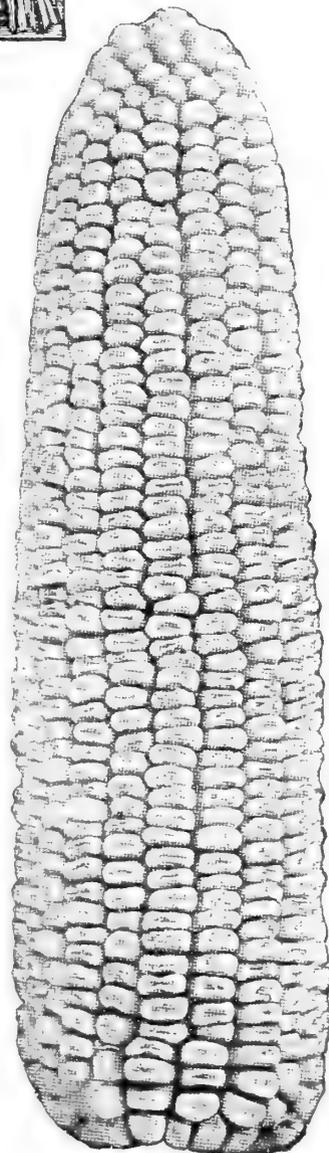
SANFORD. A well known white flint corn, Medium size ear, averaging about 10 inches long. Handsome, large and well-filled grains.

MONARCH. Pure white dent, large ears, deep grain, small white cob. Most wonderful yielder. This corn is nearly as early as Extra Early Adams, and makes the very finest roasting ears, and is ready for the table before any other variety.

When ordering Corn late in season, please name a second choice, in case that you sent for is sold out.

FODDER CORN

Invaluable to all Dairymen during July, August, and September. For price see page 45.



SEED CORN PRICES FOR THE PRESENT SEASON

	POSTPAID		NOT PREPAID	
	PKT.	QT.	PK.	BU.
Reid's Yellow Dent.....	\$0 10	\$0 35	\$0 50	\$1 75
Pride of the North, yellow dent.....	10	25	45	1 25
Iowa Gold Mine, yellow dent.....	10	25	45	1 25
White Cap Yellow Dent, early.....	10	25	45	1 25
Leaming; the old favorite for grain and fodder.....	10	25	45	1 25
Iowa Silver Mine, a prize winner.....	10	25	45	1 25
Champion White Pearl.....	10	25	45	1 25
Wisconsin White Dent.....	10	25	45	1 25
Sanford White Flint.....	10	25	50	1 50
Monarch White Dent.....	10	25	50	1 50

Prices include Sacks. Freight Charges are to be Paid by the Purchaser.

SEED FLAX

Price subject to market changes.

Flax should be sown late enough in the spring to avoid frost, but as early as it is possible to do so in order to secure the early spring rains. When grown for the fiber, about one bushel should be sown to the acre; but if for seed alone, usually one-half bushel is sufficient. Bu., \$1.75.

WE can supply very promptly any book which you see advertised in this catalogue.

MILLET

IN SEASONS when the hay crop is deficient there is nothing so good as Millet to make up the shortage. Millet will make excellent hay if cut when in bloom, and carefully cured.

Common Millet (*Panicum-Miliaceum*). Height two to three feet; succulent stems; leaves broad and numerous; grows rapidly, and matures early. Can be planted as late as August and mature a crop of hay the same season. Sow $\frac{3}{4}$ bushel per acre—50 pounds to the bushel. Bu., \$1.50.

Hungarian Millet (*Panicum germanicum*). A popular forage grass in dry sections and dry seasons: it endures drouth remarkably well. Stalk leafy, two to four feet high, with slender heads; 48 pounds to the bushel. Sow $\frac{3}{4}$ bushel per acre. Cut when in blossom, and cure same as clover. Bu., \$1.50.

Pearl Millet (*Egyptian, East India Millet, Pencillaria spicata*). Sow in light, sandy soil, well-manured. If cut when small, for feeding green, it produces a second crop; is one of the best of fodder crops in the South. Lb., 10c.

German or Golden Millet. A great yielder, and one of the best of hay and fodder crops. Sow $\frac{3}{4}$ bushel per acre—50 pounds to the bushel. Bu., \$1.50.

SEED OATS

Sow Two Bushels per Acre

A change of stock of Seed Oats is as necessary as a change of Potatoes.

BIG FOUR A Western grower, known as a close observer, says of this oat: "It has the plumpest kernel of any variety, and is as large every way as any. It is always a very white oat, free from black kernels, and this year certainly it is the brightest oat that we have. Then it has a wonderfully stiff straw, so that it stood up well in spite of one of the worst seasons for rain ever known. It is medium early, and a great yielder." A yield record is claimed for it of 250 bushels per acre. Do not hesitate to order Big Four. It will please you. Lb., 20c; 3 lbs., 50c postpaid; pk., 30c; bu., 80c; 5 bus. for \$3.50, bags included. Purchaser pays freight charges.

NEW ZEALAND OATS

These oats, originally introduced from New Zealand, have been grown in various Western States and in Canada, where they have never been known to lodge or to suffer from rust. The New Zealand is a white side oat of medium size, just a few days later in ripening than ordinary oats; stools out remarkably well; yields heavily, and has stiff straw. Lb., 20c; three lbs., 50c postpaid; pk., 30c; bu., 80c; five bus. for \$3.50, bags included, not prepaid.

It sometimes happens we can supply other varieties than here mentioned. If interested, write us what you wish to buy and quantity required. If possible we will quote special price.

NOTICE

PRICES named herein on Millet Seed are subject to market changes

Write for price in quantity. Two bushel bags to ship in, 18c each, extra.



LINCOLN OATS

A well-known variety of oats which is very productive, having in all instances yielded more to the acre than any other sort grown in the same locality. It yielded 174 bushels from a single bushel of seed. It is very early, and has thus far proved itself rust-proof. It stands up better than any other sort; it is best for feeding, on account of its thin hull, heavy meat, and soft nib. Lb., 15c; three lbs. for 50c postpaid; pk., 30c; bu., 80; five bus. for \$3.50, bags included, not prepaid.

BLACK TARTARIAN

For those who prefer a black oat we can safely recommend this variety. The grain is very large, plump and full. Lb. 20c; three lbs. 50c post paid; pk. 35c; bu. \$1.00; five bus. for \$4.50, bags included, not prepaid.

SEED RYE

Sow at the rate of two bushels to the acre.

SPRING RYE. This is distinct from Winter Rye. It does not stool out like that variety, but the straw is equally valuable. Spring Rye is now largely sown in the Middle and Western States in place of oats. It makes a good "catch crop" where winter grain has failed. Lb. 20c, postpaid; pk. 30c; bu \$1.00; bags included.

WHITE WINTER. This is grown by many, and plowed under as green manure. White Rye is sown in the fall months. We have a good clean strain of this standard grain. Lb. 20c; pk. 30c; bu. \$1.00; bags included.

SUGAR CANE or SORGHUM

Sorghum can be profitably cultivated as a forage plant almost anywhere within the United States. It is not affected by droughts, and the amount of fodder it produces is extraordinary. It can be cut several times during the season, if not allowed to grow tall. Being sweet and tender, it is eaten with relish by cattle, horses and hogs.

EARLY AMBER CANE

Most Valuable for Dairy Cows

The leading dairy farmers of the northwest generally regard Sugar Cane or Sorghum as the best of all fodder plants today for their purpose. Sow any time from May 15 to July 15, 12 to 15 lbs. per acre in rows and cultivate the same as corn or if sown broadcast, use one hundred lbs. per acre. The Early Amber is the best variety and the most used. Prices, lb., 15c, postpaid. 10 lbs., 40c; 100 lbs., \$2.25, not prepaid.

SWEET CORN

For Green Forage & Fodder

For cutting in the green state, for summer forage or for curing for winter, sweet corn is superior to any of the ordinary field corns. We recommend it especially to dairymen for use during July, August and September, when pasturage is affected by dry weather. It forms a cheap and wholesome feed for cows. Sow in drills or broadcast. Pk. 50c., bu. \$1.50, 2 bu. for \$2.50. Sack included; f. o. b. Chicago.

Silos, Ensilage and Silage

By MANLY MILES, M. D.; F. R. M. S. A practical treatise on the ensilage of fodder corn. Containing the most recent and authentic information on this important subject, Illustrated. 100 pages. 5x7 inches. Cloth.....\$0.50

Should our prices on any item seem high, we would consider it a favor if our customers in making up their orders for Farm Seeds in large quantities would write us, and we will be pleased to quote prices ruling at the time received.

MAMMOTH RUSSIAN SUNFLOWER

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at a less expense than corn. The seed is much relished by poultry and horses. Oz. 5c. lb. postpaid 20c. 10 lbs. not prepaid 60c.

VETCHES or TARES

SPRING TARES. (*Vicia Sativa*) Sown broadcast at the rate of 100 lbs. to the acre. It is used in the British Islands and Canada as a forage plant. Can be raised at trifling expense. Pkt. 5c; lb. 20c. postpaid; 10 lbs. for 75c.; 25 lbs. for \$1.50; 100 lbs. \$5.50. Bags included.

SAND VETCH. This, sometimes called Hairy Vetch may be sown in Spring or Fall, preferably with Rye. Thrives on poor land; is a soil improver, being rich in nitrogen. Remains green all winter. Sow 100 lbs. to the acre. Pkt., 10c; lb., 25c. postpaid; 10 lbs., \$1.25; 25 lbs., \$2.75; 100 lbs., \$10.00, not prepaid.

SPRING WHEAT

Sow from 1 1/4 to 1 3/4 bushels per acre.

VELVET CHAFF. The stem, below the head, when green, is a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright golden tint. The kernel is of the hard variety. One of the best spring wheats for milling; entirely free from rust. Pkt. 5c; lb. 20c, postpaid; pk. 50c; bu. \$1.50; not prepaid.

SASKATCHEWAN. Has all general characteristics of Scotch Fife, from which it descended by careful selections. It excels in earliness, hardiness, productiveness, and freedom from smut and all diseases. It is highly indorsed by leading wheat growers. Pkt. 5c; lb. 20c. postpaid; pk. 50c; bu. \$1.50, not prepaid.

WILD RICE (*Zizania Aquatica*)

A native plant furnishing food for wild fowl-ducks, geese, etc. This seed can be sown on the borders of lakes, ponds, along small streams, and grows very rapidly in one foot to four feet of water, attracting all of these wild birds from September on. It also purifies the water and affords a refuge for the small fry from the large fish. Lb., 35c., postpaid; 5 lbs., \$1.00; 10 lbs. or over, 18c. per lb.

CAHOON'S PATENT HAND SEED SOWER.

The best machine of its kind for sowing barley, buckwheat, oats, rye, wheat as well as grass seeds. The seed is thrown from eight to twenty feet on each side of the operator, the heaviest seed being of course, thrown the greatest distance. Price, \$3.00.

Every farmer should have one.



AMBER CANE



VETCHES



WHEAT

Recleaned Grass Seeds

The prices quoted are subject to market fluctuations. Customers when in need of large quantities, send list of wants for lowest market price.

WE would call especial attention to this greatly superior grade of Seeds. By special machinery it is made absolutely free from chaff and almost if not entirely every weed seed is eliminated. The very slightly increased cost over the ordinary grass and clover seed is trifling, while every pound is actually worth two or three times as much as the grades usually sold.



SHEEP'S FESCUE



MEADOW FESCUE

Grasses

And How to Grow Them

By THOMAS SHAW

Professor of Animal Husbandry at the University of Minnesota.

454 pp. Illustrated. \$1.00, postpaid.

Owing to the varying bulk of grass seeds from season to season, due to climatic conditions and improved methods of cleaning, they are always put up by weight, and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight, not bulk. (The number of pounds to the bushel is the old way of offering grasses, and is mentioned when at all merely for reference. The prices are values at time this catalogue went to press—in January.

Awnless Brome Grass (*Bromus inermis*). Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. It has also proved one of the hardiest grasses. Will succeed in a wider range of temperature than any other grass. Sow 35 to 40 lbs. to the acre.

Creeping Bent Grass (*Agrostis Stolonifera*). This variety is peculiarly useful for moist places which are occasionally overflowed, but where water does not stagnate. Also valuable for lawns. Sow 20 lbs. to the acre.

Crested Dogtail (*Cynosurus Cristatus*). On dry, hard soils and hills it is valuable for its hardness. Useful for lawn mixtures. Sow 25 lbs. to the acre.

Hard Fescue (*Festuca Duriuscula*). A dwarf grass desirable for dry localities where many other grasses would fail. Sow 30 lbs. to the acre.

Italian Rye Grass (*Lolium Italicum*). Yields an early and abundant harvest on any good common soil. Especially recommended for pasture mixtures. Also adapted for moist situations.

Kentucky Blue Grass (*June Grass; Poa Pratensis*). Valuable pasture grass and for lawns when mixed with other grasses. It grows well in rather a dry soil. Flowers in June. Sow about 28 lbs. to the acre early in the spring or during October or November.

Meadow Fescue (*English Blue Grass; Festuca Pratensis*). An excellent pasture grass, early, nutritious, and thrives well on all good soils. The long tender leaves are much relished by cattle. It makes a very good quality of hay. Flowers in June and July. Sow 40 lbs. to the acre.

Meadow Foxtail (*Alopecurus Pratensis*). One of the finest varieties for permanent pastures, grows rapidly after the cropping of sheep and cattle. It grows well on all soils except the driest sands and gravels, but thrives best on a rich, moist, strong soil. Flowers in May. Sow 25 lbs. to the acre.

Orchard Grass (*Cocksfoot; Dactylis Glomerata*). One of the most widely known of pasture grasses. Its properties are earliness, rapid growth, and power to resist drought. Will endure some shade. If cut when in flower, it makes first rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 lbs. to the acre.

Perennial Rye Grass (*Lolium Perenne*). Nutritious and valuable; in most places not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Flowers in June. 24 lbs. to the bushel. Sow 60 lbs. to the acre.

Perennial Sweet Vernal (*Anthoxanthum Odorum*). Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 lbs. to the acre with other grasses.

Red Top (*Agrostis Vulgaris*). Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bu. per acre; 14 lbs. to bu.

Rough Stalked Meadow Grass (*Poa Trivalis*). Succeeds well in moist and sheltered situations, where it produces a constant and abundant supply of nutritive cattle food. Sow 20 lbs. to the acre.

Tall Fescue (*Festuca Elatior*). Produces large crops on strong, heavy land. Grows naturally in shady woods, roots deeply, and stands dry weather remarkably well. Sow 40 lbs. to the acre.

Tall Meadow Oat Grass (*Avena Elatior*). It produces an abundance of foliage and is valuable for pasture, starts early, flowers early and roots deeply. Sow 50 lbs. to the acre.

Timothy (*Herd's Grass; Phleum Pratense*). It makes good hay, even if cut a few days after flowering, but will never bear close feeding to horses or sheep. 45 lbs. to the bushel. Sow 12 lbs. to the acre.

Wood Meadow Grass (*Poa Memorialis*). The best variety for sowing in orchards under trees. Sow 30 lbs. to the acre.

GRASS SEED (not prepaid)	lb.	100 lbs.	GRASS SEED (not prepaid)	lb.	100 lbs.
Awnless Brome Grass.....	\$0 25	\$18 00	Orchard Grass.....	\$0 20	\$10 00
Creeping Bent Grass.....	30	25 00	Perennial Rye Grass.....	15	6 00
Crested Dogtail.....	25	18 00	Perennial Sweet Vernal.....	45	36 00
Grass Seed Mixture for Lawns.....	25	18 00	Red Top.....	20	9 00
Hard Fescue.....	20	12 00	Rough-Stalked Meadow Grass.....	30	20 00
Italian Kye Grass.....	15	6 00	TIMOTHY.....	10	market
Kentucky Blue Grass.....	20	10 00	Tall Fescue.....	40	32 00
Meadow Fescue.....	15	6 00	Tall Meadow Oat Grass.....	25	16 00
Meadow Foxtail.....	30	20 00	Wood Meadow Grass.....	30	20 00

Add 10 cents per pound extra if sent by mail. For two-bushel bags remit 18c each.

Prices on Grass and Clover Seeds change very frequently, so that we are unable to quote prices that are absolute. We handle Clover Seed on close margin and supply the best grades only.

RECLEANED CLOVERS

60 lbs. to bushel

All quotations on clover seeds subject to market changes. Special quotations will be given at any time.

If wanted by mail add 8c. per lb. for postage. Two bu. bags to hold seed, 18c. each.

MEDIUM RED, or JUNE (*Trifolium Medium*)

The common Clover in general cultivation; grows 2 to 3 feet high, and is the best for hay. Makes excellent pasturage when sown with Grasses, and is one of the best fodders for milch cowland sheep. When used alone, sow about eight pounds of seed per acre.

WHITE (*Trifolium Repens*)

Low, with creeping stems. It is the best of the Clovers for permanent pasturage, but prefers moist land. Mixed with Blue Grass or Perennial Rye Grass, or Taller Oat Grass, it makes a permanent pasture of great grazing value. Stems fine and palatable, bearing numerous leaves of bright green color blotched with white. Sow 6 pounds per acre when used alone, or 3 pounds with Grass seed.

CRIMSON CLOVER

(*Trifolium Incarnatum*)

This is an annual clover for fall sowing only, and when ripe to cut for hay or seed, it never starts again. It can be sown in August, September or early in October. It can be sown in orchards, in fields of growing crops, or in open ground after some other crop has been harvested. It germinates quickly, grows late in the fall and during warm spells in the winter, when red clover will not think of starting. Makes remarkably rapid growth in Spring, and by the first week in May it stands two or three feet high and is in full bloom, ready to turn under as green manure in time for almost any Spring crop. It succeeds on nearly every kind of soil, standing northern winter and southern summer. It can be cut for hay, and for this purpose grows as easily as common red clover. It thrives on land so poor that the common clover would do but little. 10 to 15 lbs. are required to the acre.

RED CLOVER SEED. (Being Farmer's Bulletin No 123 of Dept. of Agriculture), can be had by writing Sec'y of Agriculture, Washington, D. C.

ALSIKE, or SWEDISH (*Trifolium Hybridum*)

Hardy; resists extremes of drought and wet, yields large crops of superior pasturage, and much liked by cattle. It is well suited to sowing on lands liable to wash, as its long fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any kind of soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant; much liked by bees. Sow 6 pounds per acre in spring or fall.

MAMMOTH, or LARGE RED

(*Pea Vine, Trifolium Pratense*).

Grows 4 to 6 feet high. The variety best adapted to plowing under as a green manure, on account of the enormous mass of tops and roots which it produces. It makes an excellent hog pasture. Sow 8 pounds per acre.

ALFALFA or LUCERNE

Drought Resisting Clover

It is safe to say that in America the increase of interest in Alfalfa has been equaled by that in no other agricultural product during the past ten years, and of no other has there within the same period been such a ratio of increase in acreage.

Alfalfa, or Lucerne Clover, is perennial and lasts from 8 to 10 years; the roots penetrate from 10 to 15 feet into the ground. For a permanent meadow it does best on alluvial soil. Sandy loam with a porous underground, so the water passes off readily, is preferable. *Hard pan and wet underground is fatal to the plant.* As a hay crop it has no equal, and the feeding value of number one Alfalfa is equal to bran at \$17.00 per ton. It should be sown in the latitude of central Illinois from the 15th. of August to 10th. of September. Plow the ground some time previous, making a fine but not too deep seed-bed. Sow from 20 to 25 lbs. per acre and run the smoothing harrow over once or twice.

In spring it may be sown in April after severe frost is past, but in doing so you will have weeds to contend with, which may smother the young plants. In this case mow the weeds when they are 6 to 8 inches high and not remove them, but let them lie on the ground. A thick stand is desirable, otherwise hay will be too coarse. Cure the Alfalfa hay as you would Red Clover and save all the leaves if possible. It may be cut three times during the season. Foregoing is compiled from "Farmers Cyclopaedia of Agriculture." See Books, last page.



SCARLET CLOVER

.. ALFALFA ..

A remarkable new book. Practical information on its production, qualities, worth, and uses, especially in the United States and Canada. The author covers his subject thoroughly, and no farmer interested in this great forage plant can afford to be without a copy.

By **F. D. COBURN, Secy. Kans. Dept. of Ag.**
160 pp. Illustrated. 50c. postpaid.

PRICES IN SMALL LOTS; NOT PREPAID

Medium Red or June.....1b. \$0.20	White Dutch .....1b. .30
Mammoth Red .....20	Alfalfa or Lucerne .....20
Alsike or Swedish......25	Crimson or Scarlet......15

... SPECIAL NOTICE ...

WRITE for prices, if wanted in larger quantities than here stated.

To above prices add 8c per lb. if wanted by mail or express prepaid.

Grass Seed for the Lawn and Pleasure Ground

A WELL-KEPT LAWN is the most beautiful thing that can be placed about the home. It is not a difficult task to lay the foundation for one, and once made, a good lawn will last for years if the right material is used and the work properly done at the outset.

Practical Suggestions

PREPARATION.—The ground should be thoroughly drained and the soil worked by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as nearly alike as possible, that the grass may be even in its growth; finish by harrowing or raking until made fine; and finally, level by use of heavy roller.

SEEDING.—Before sowing, unless the ground is naturally rich, fertilizer of some kind should be applied (see below). **It is a well-established fact that seed will make a better lawn than turf or sod.** Seeding may be done in spring or fall. If done during the hot months of summer the ground must be kept moderately moist when sowing is made. With the ground prepared as directed, let the surface be gone over with a fine rake, and the seed be evenly scattered, after which carefully rake or brush the seed in, and follow with the roller.

GOOD, FRESH, CLEAN SEED is a most important consideration in lawn-making. Careful and thorough experiments have proven that a mixture of different varieties of grasses will form a better lawn than where but one sort is used.



BARNARD'S "Perpetual Green" LAWN MIXTURE

Is a combination of various grasses designed to produce in the shortest time possible a beautiful, dwarf, compact turf which will withstand the extreme heat of our summer and insure a **rich, deep green sward throughout the entire season.** In its preparation seeds of the very best quality, highest grade, carefully re-cleaned and as free from weeds as it is possible to make them are used.

Price: Lb. 25 cts., 5 lbs. \$1.00, 10 lbs. \$1.85, bu. (14 lbs.) \$2.50, not prepaid.

If to be mailed, add 8c. per lb. for postage.

THE QUANTITY TO SOW

It is unwise to be economical in the quantity of seed used if best results are desired.

For a plot 30 x 20, or 600 square feet, use..... 1 lb.
For a plot of 10,890 square feet, or ¼ acre, use..... 14 lbs.
For a plot of 43,560 square feet, or one acre, use.... 56 lbs.

FERTILIZER. The lawn will not retain its dark green color and velvety appearance unless the grass roots are fed with suitable food. **Lawn Fertilizer** should be applied as a top-dressing, either in spring or fall, at the rate of 25 pounds of Fertilizer to 1,000 square feet of lawn; when seeding down a lawn for the first time, use double this quantity.

Our Lawn Fertilizer is dry, clean and odorless, and **contains no weed seeds.** 10 lbs. 50c., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, not prepaid.

AFTER-TREATMENT.—Let the grass get a good start before cutting—say a growth of 3 or 4 inches. When well rooted, a lawn should be trimmed with a lawn mower about once in ten days. No lawn can be maintained long in good order without successive rollings, which work should be done in the spring before the ground becomes dry. In very dry weather a thorough wetting should be given about once a week, a little water on a dry surface often doing more harm than good. Old lawns can be improved and renewed by the application of fertilizers and seeding about one-half the quantity for new lawns.

GOLF LINKS MIXTURE

MADE up by ourselves from formula which has been thoroughly tested. It is put up with the object of forming a turf that will bear hard usage and yet present a good appearance. Lb. 40 cts., postpaid; **not prepaid**, lb. 30 cts., 5 lbs. or more at 25 cts. per lb. **Special quotations for large lots;** please state the quantity desired.

We are also prepared to supply from our own formula, special mixtures for Putting-Greens, Tennis Lawns, Parks, Cemeteries, etc. Our "Perpetual Green" mixture has been used in many states.

SPECIAL MIXTURE FOR SHADY NOOKS

With this mixture there need be no difficulty in getting grass to grow in the shade under the trees, etc., as it is a combination of grasses whose natural home is in woods and sheltered places. Lb. 40 cts., postpaid; **not prepaid**, lb. 30 cts., 5 lbs. or more at 25 cts. per lb., bags included.

WHITE CLOVER

Thives in damp situations. We have some A1 seed, carefully cleaned. Lb. 40 cts., postpaid; **not prepaid**, lb. 30 cts., 5 lbs. or more at 25 cts. per lb.

KENTUCKY BLUE GRASS

Its uniform growth, creeping habit and beautiful color make it desirable for lawns. This grass lives longer than all others. Fancy cleaned seed, lb. 30 cts., postpaid; **not prepaid**, lb. 20c., 5 lbs. or more at 15 cts. per lb.

RED-TOP GRASS

Desirable where an immediate effect is sought. Fancy cleaned seed, free from chaff, lb. 30 cts., postpaid; **not prepaid**, lb. 20 cts., 5 lbs. or more at 15 cts. per lb.

Special Grass and Clover Seed Mixtures

FOR MEADOWS AND PERMANENT PASTURES.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather, others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. Care should be used, both in meadows and permanent pastures, never to cut or graze the grass too closely.

**GRASSES
..AND..
FORAGE PLANTS**

By Chas. L. Flint

Describes varieties and gives information how to successfully manage grass lands.

Price, \$2.00.

The importance to the farmer of a good selection and proper mixture of Grass Seeds for mowing, permanent pasture, or other purposes, cannot be over-estimated. Our Grass and Clover Seeds have been sown season after season with great profit and satisfaction to thousands of our customers. Steadily increasing sales testify not only to their trustworthiness, but to the general satisfaction they give everywhere.

The Grass Seed Mixture is supplied as desired, mixed for mowing or permanent pastures. Price per bushel (14 pounds), \$2.50. Not prepaid.

Clover Mixture of the best varieties and highest quality should be sown with above at the rate of 10 pounds to the acre. Price, 10 pounds for \$2.00. Not prepaid. In larger quantities write for special quotations.

We Furnish the Grass and Clover Seeds Separately, as the Clovers have greater weight. Clover should be sown separately, and it is recommended to sow only in the spring.

THE AMOUNT OF SEED

to be sown upon an acre is not always quoted alike. Good authorities give the average as 35 to 40 lbs. to the acre. As a rule the poorer the land the more seed should be sown upon it.

FORMULAS FOR MIXTURES FOR MEADOWS FOR ONE ACRE, AND PRICE

ALL AUTHORITIES agree that for **Pasture and Hay**, best results are obtained from the use of grass seeds in species. The reasons are obvious. First—**A number of species** will insure a **much denser growth** than the same kind of seeds of one or two species, and prove **less exhausting** to the soil, since they live to a large extent on the same constituents. Second—Seasons that affect some grasses adversely are **favorable** to other sorts, so that with a mixture failure is **practically impossible**, provided, of course, the seed is good. We take great pains in selecting grass seeds in order to secure the **highest germination**, and mixtures are based on a full appreciation of the requirements of the different soils for which they are intended.

No. 1. On Good Land, neither Too Dry nor Too Wet.

3 lbs.	Red Top.
1 "	Meadow Foxtail.
½ "	Perennial Sweet Vernal.
2 "	Tall Meadow Oat Grass.
3 "	Orchard Grass.
2 "	Hard Fescue.
2 "	Sheep's Fescue.
4 "	Perennial Rye Grass.
16 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.

35 lbs. Price per acre, \$4.75.

No. 2. For High and Dry Land.

3 lbs.	Red Top.
4 "	Tall Meadow Oat Grass.
2 "	Meadow Brome Grass.
½ "	Crested Dog's Tail.
5 "	Orchard Grass.
2 "	Hard Fescue.
3 "	Sheep's Fescue.
1 "	Meadow Soft Grass.
12 "	Timothy.
1 "	Rough-stalk Meadow Grass.
1 "	Red Clover.
½ "	White Clover.

35 lbs. Price per acre, \$5.50.

No. 3. On Wet, Late Land.

5 lbs.	Red Top.
2½ "	Creeping Bent Grass.
5 "	Orchard Grass.
2 "	Tall Meadow Oat Grass.
2 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
10 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.

35 lbs. Price per acre, \$5.25.

FORMULAS FOR PERMANENT PASTURE MIXTURES

If your fields are old or worn out it will pay you to plow up and seed again. For all ordinary permanent pasturage these formulas will be found entirely satisfactory.

No. 4. On Good Land, neither Too Dry nor Too Wet.

2 lbs.	Tall Meadow Oat Grass.
2 "	Red Top.
½ "	Perennial Sweet Vernal.
4 "	Orchard Grass.
3 "	Sheep's Fescue.
1 "	Hard Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
7 "	Kentucky Blue Grass.
6 "	Timothy.
½ "	Yellow Trefoil.
1 "	Red Clover.
1 "	White Clover.

35 lbs. Price per acre, \$5.75.

No. 5. On Dry Land.

3 lbs.	Creeping Bent Grass.
3½ "	Tall Meadow Oat Grass.
1 "	Meadow Brome Grass.
3 "	Orchard Grass.
1 "	Hard Fescue.
4 "	Sheep's Fescue.
½ "	Perennial Sweet Vernal.
6 "	Timothy.
5 "	Perennial Rye Grass.
2 "	Field Burnet.
4 "	Sainfoin.
1 "	Red Clover.
1 "	White Clover.

35 lbs. Price per acre, \$6.25.

No. 6. On Wet Land.

3 lbs.	Red Top.
4 "	Orchard Grass.
1 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
8 "	Timothy.
1 "	Rough-stalk Meadow Grass.
8 "	Kentucky Blue Grass.
1 "	Alsike Clover.
" "	White Clover.

35 lbs. Price per acre, \$5.25.

Forage and Fodder Plants.

Just as the human appetite craves a change in the daily rations, so does the farm stock enjoy with relish a change in their food, the result being an improved appetite and increase in growth. The forage plants offered on this page have all been tried and proven good. They are excellent either as green or dry feed.

Non-Saccharine Sorghums.

Their cultivation is as simple as that of corn. They will grow on any land where corn will, even on land too poor for corn. All these varieties endure dry weather well.

Jerusalem Corn.

A sure cropper even in dry seasons. It grows about five ft. high; makes one large head on main stalk and several smaller heads on side shoots. The grains are white, flat, and much relished by chickens. Three pounds will plant an acre. Post paid, lb. 20c; by freight or express not prepaid, 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

Milo Maize.

Will make a crop where corn would fail. Stalks reach eight to ten feet in height and yield a large amount of fodder. Produces large heavy heads of grain. Plant in three foot rows, leaving one or two plants every twelve inches in the row, and cultivate as corn. Three to five pounds per acre. Postpaid, lb. 20c; by freight or express, not prepaid, 10 lbs., 75c; 50 lbs., \$3.00; 100 lbs., \$5.50.

Prices of all articles quoted on this page are subject to change. The pound prices include postage; bushel and 100 pound prices are by freight or express at purchaser's expense.

FORAGE CROPS OTHER THAN GRASSES.

How to Cultivate, Harvest and Use Them. By Thomas Shaw. Illustrated. 287 pages. Cloth, 12mo. \$1.00, postpaid. Intensely practical. Each chapter is a comprehensive treatise, alone worth the price of the book.

KAFFIR CORN. The Great Dry Weather Corn. Red or White Seeded.

This Non Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and is greedily eaten by all domestic animals, whether fed in the grain or ground and cooked. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to dough stage; makes a very valuable hay, of good quality, and will yield from 3 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. Postage paid, lb., 20c; by freight or express not prepaid, 10 lbs., for 50c; 25 lbs., for \$1.00; 100 lbs., \$3.50, bags included.



CANADA FIELD PEAS.

Grown with Oats makes a fodder or hay which doubles the production of Milk.

They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about 4 inches deep; the oats then sown and harrowed in. They will be ready for cutting about the latter end of June when the oats are in milk and the pods formed on the peas. Prices variable, but always as low as the market will permit.

COW PEAS.

Equal to Clover as a Soil Fertilizer.

Green crops plowed under are one of the cheapest methods of enriching the soil. Cow Peas are invaluable for the purpose as well as providing a large amount of fodder. They should be sown in May or June at the rate of 1½ bu. to the acre. The pods may be removed, dried, and the grain ground, and the plants plowed under. The stalks and leaves fed green make excellent fodder. Pint, 10c; qt., 35c, prepaid; pk., 60c; bu., \$2.00, not prepaid.

DWARF ESSEX RAPE.

Best and Most Fattening Sheep Forage Known.

This forage is also used for pigs and dairy cows with success and profit. Under favorable circumstances it is ready for pasturage in six weeks from the time of sowing. One acre of good rape will carry a flock of a dozen sheep for two months. Rape requires the same cultural treatment as the turnip. It is grown exclusively for its leaves. Stock should be fed alternately on grass and rape; not on rape exclusively. Rape-fed animals should have free access to salt. The seed should be sown in May, for midsummer pasturage; or any time before the end of August (at the North) for autumn pasturage. Rape is a plant which loves cool weather, and thrives better in autumn than in midsummer. The seed should be used at the rate of 3 pounds per acre in drills, or 5 to 10 pounds per acre broadcast. Lb., 20c, postpaid. By express or freight, not prepaid, 10 lbs., 75c; 25 lbs., \$1.75; 100 lbs., \$6.00, bags included. Write for price in larger quantities.

Turnips and Carrots for Stock.— We at all times carry ample stocks of these seeds. Please read page 46.

Prices herein quoted are all subject to changes of the market.



IN THIS DEPARTMENT we catalogue only those varieties and strains which in our long experience we have found of sterling worth. We do not handle seeds of poor or unknown quality, but aim to give our customers seeds that are pure, fresh, and reliable.

All Flower Seeds are delivered free to any Post Office in the United States and Canada.

NATURE'S favorite method of plant reproduction is by seeds; and in this way great numbers of plants can be produced at the least expense; also, such plants, as a rule, are more vigorous and more free from any constitutional defects of vitality. Gardeners, therefore, prefer this method of raising plants whenever it is available, as it is in the case of most annual, biennial, and perennial plants. A dollar's worth of seeds will produce more plants than \$5.00 would buy.

Annuals grow, bloom and die the first year from seed. As a guide for planting they are marked for hardy HA; these will bear a hard frost. Half-hardy annuals, HHA; these will bear but very little. Tender annuals, TA. will bear no frost at all.

Biennials.—The hardy, half-hardy, and tender biennials require same treatment as annuals, and are marked, respectively, HB, HHB, and TB. **Perennials**, HP, HHP, and TP.

Below we give a few general cultural directions; more complete details are printed upon most of our packets.

Seed Sowing and Plant Raising A general rule for the seed bed is to have the soil rich, level, and worked very finely. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed.

The soil should never become dry after the seeds have swelled, for if it does, they will be almost certain to fail. For this reason it is best to sow most small seeds in shallow boxes, 2 to 3 inches in depth and of any convenient size, that the surface of the soil may be kept properly moistened.

Transplanting After the seeds are up, care must be taken to give them plenty of air and moisture, and yet not too much water, or they will "damp off" (rot at the top of the ground). As soon as the second leaves are well out, they should be transplanted into pots or new boxes. When finally transplanted to the bed or border, they should be watered frequently until well established.

PACKETS WELL FILLED

OUR PACKETS, we believe, contain more seeds in proportion to the price asked than those put up by the majority of seedsmen. You get full value for your money, and liberal discounts as well.

Order Flower Seeds by number and save writing out long names.

LIST OF FLOWER SEEDS

For the Latest Novelties and Recent Introductions see novelty pages

ABRONIA (Sand Verbena)

Sweet-scented, trailing plant bearing beautiful flowers in large trusses like the Verbena. Desirable for bedding. 6 in. H. H. A. 2000. Umbellata. Rosy lilac, white center. Pkt. 5c.

ABUTILON (Flowering Maple)

Shrubby plants for greenhouse and window culture. 6 feet. H. H. P. 2001. Mixed. White, yellow, rose, etc. Pkt. 10c.

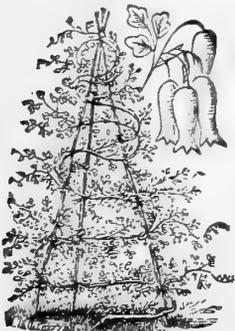
ADLUMIA CIRRHOSA

(Mountain Fringe or Allgeheny Vine)

2007. A pretty and graceful climber, with finely cut, pale-green leaves. Produces abundance of pale-pink flowers in summer. Does best in a cool, moist situation. Blooms in June. Pkt. 5c.

ADONIS (Flos Adonis)

Showy border plant of easy culture; dark-green leaves. 2002. Æstivalis. Deep-scarlet flowers. Thrives in a shady place, 1 foot. H. A. Pkt. 5c.



ADLUMIA



LOVE LIES BLEEDING

AGATHEA, Blue Daisy

2012. In appearance is exactly like the Marguerite or Paris Daisy, except its flowers, which are sky-blue with yellow disc. Easily grown, free blooming and valuable for culture as a winter flower. H. A. Pkt., 5c.

[For other Daisies—white, pink, lilac etc.—see these numbers: 2040, 2447, 2542, 2544, 2545, on this and following pages.]

AGERATUM

A desirable window plant for winter, and much used for bedding in summer in combination with Coleus and Geraniums. Bears clusters of feathery flowers the entire season. Starts easily and grows rapidly. H. H. A.

Dwarf. 9 inches.	Pkt.	Tall. 18 inches.	Pkt.
2017. Blue - - -	5c.	2024. Blue - - -	5c.
2022. White - - -	5c.	2025. White - - -	5c.
2023. Mixed - - -	5c.	2032. Mixed - - -	5c.

2017 A. **Blue Perfection.** A new and splendid dwarf, dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed, Pkt., 10c.

AMARANTHUS

2033. **Caudatus** (Love Lies Bleeding). Of rapid growth, easy culture, and very showy. Long, dark red, drooping flowerpikes. Two to three feet. H. A. Pkt., 5c.

Ampelopsis Veitchii

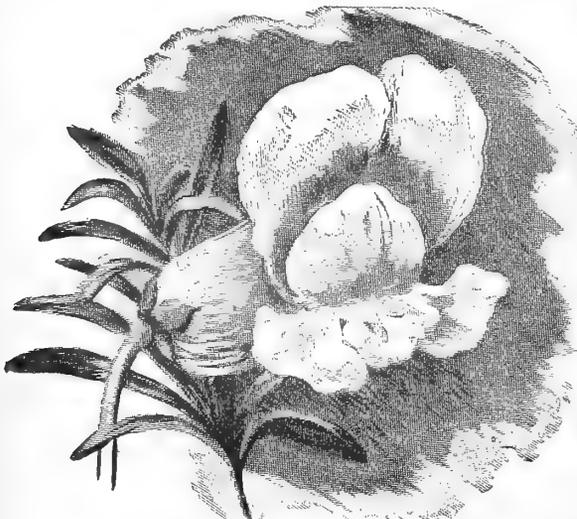
or Boston Ivy

2045. A hardy climber, with pretty, dark green leaves which change to bright scarlet in fall. Will cling to the smoothest wall; requires no wire or string to run upon. Pkt. 10c.

ANEMONE

(Windflower)

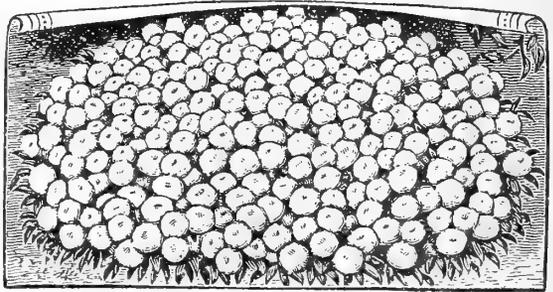
2046. Beautiful and showy flowers like Poppies, fine for bouquets. Mixed colors. Nine inches. H. P. Pkt., 5c.



NEW ANTIRRHINUM "QUEEN VICTORIA."

SWEET ALYSSUM

2057. Used chiefly for edging beds, and in window boxes. Its fragrant white flowers are prized for bouquets. The blossoms are produced all summer. Six inches. H. A. Pkt., 5c.



Alyssum, Little Gem

2058. Of dense growth and very dwarf—four inches. Pure white flowers fine for bouquets. Pkt., 5c.

2068. **Saxatile.** Golden yellow; nine inches. H. P. Pkt., 5c.

ANTIRRHINUM

(Snapdragon)

A garden plant having dark, glossy leaves and curiously shaped, showy-colored flowers with spotted throats. They blossom the first year, if seed is sown early. Slightly covered with leaves they withstand our winters. One and one-half to two feet. H. P.

2038 A. **Queen Victoria.** *Elegant, finely-cut foliage, with unusually large flowers of a brilliant white.* Pkt., 15c.

2038. **Queen of the North.** Large white flowers. Pkt., 5c.

2039. **Giant Flowered.** Mixed. Pkt., 10c.

2047. **Tall Snapdragon.** Two feet. Mixed colors. Pkt., 5c.

2048. **Dwarf Snapdragon.** One foot. Mixed colors. Pkt., 5c.



AQUILEGIA

AQUILEGIA or Columbine

When fully established, Aquilegias will stand frost well, and the earliness and abundance of their blooms ought to render them general favorites. Many of the varieties are extremely beautiful. One to three feet. H. P.

2049. **Chrysantha.** Bright golden yellow. Pkt., 5c.

2049. **Chrysantha fl. pl.** Double, yellow. Pkt., 10c.

2050. **Coerulea.** Violet blue and white. Pkt., 10c.

2051. **Single Columbines.** Mixed colors. Pkt., 5c.

2056. **Double Columbines.** Mixed colors. Pkt., 5c.

2057. **Grandiflora Alba.** White, long spurs. Pkt., 10c.

ARCTOTIS GRANDIS

(The African Lilac Daisy)

2040. Bushy garden annual, two feet high, bearing all summer large, single, Daisylike flowers, two and one-half inches across; white, shaded lilac, zoned with yellow at throat. H. H. A. Pkt., 15c.

Ornamental Asparagus

2212. **Plumosus Nanus.** A climber suitable for pot culture in window or greenhouse. Beautiful foliage. Pkt., 15c.

2211. **Sprengeri.** Of trailing habit; is not affected by close, dry atmosphere; leaves a rich green, flowers white, followed by red berries. Pkt., 10c.

ASTERS



WHEN almost all other flowers of the summer have passed, Asters come into bloom. For that reason, as well as on account of their very beautiful flowers of varied form and color, Asters are popular with flower lovers the world over.

Asters may be sown in the open ground after danger from frost is passed. Stronger plants and earlier flowers can be obtained by sowing in a light window, hotbed or greenhouse. They require rich, loamy soil, and in dry weather should be mulched

with well-rotted manure to produce large flowers, yet they will succeed admirably in the most ordinary garden soil.

The seed offered have been grown by the most expert cultivators, and saved from double flowers only.



QUEEN OF THE MARKET.



IMPROVED VICTORIA.

Among the tall growing Asters, having large double globe-shaped flowers, this is one of the most handsome. Plants grow about twenty inches high, each one carrying many flowers. Our strain of seed is of unexcelled quality.

- 2069. White.....10c.
- 2070. Rose.....10c.
- 2071. Carmine.....10c.
- 2076. Light Blue.....10c.
- 2077. Dark Blue.....10c.
- 2077a. Lavender.....10c.
- 2078. Crimson.....10c.
- 2079. Finest Mixed.....10c.
- 2080. Imported Collection,
6 distinct colors.....35c.

JAPANESE TASSEL.

2081. A distinct and novel form of flower, resembling somewhat a tassel. Plants grow eighteen inches high, bloom freely; well developed flowers measure from four to five inches across, and are of light flesh color. Pkt., 15c.

NEW ASTER.

Empress Frederick.

2082. The finest dwarf, large-flowering Comet Aster yet introduced. Plant of compact, sturdy habit, bearing freely; immense plumy, snow-white flowers. One of the best we have seen. Especially desirable for pot culture and the garden. Pkt., 15c.

* * * * *

Asters have been one of our specialties for years, and our reputation for first quality of stock is well established. We import only the best seed obtainable.

* * * * *



GIANT COMET

Flowers of immense size, often 5 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half-globes. The plants attain a height of 15 inches, each plant bearing from 20 to 30 of these magnificent flowers on long stems. Pkt.

- 2126. Carmine.....10c.
- 2137. Giant Mixed.....10c.
- 2135. Giant Snow White.....10c.
- 2137. "The Bride," white and rose.....10c.
- 2137a. White Striped Pink.....10c.
- 2127. Comet, Pink and White.....10c.
- 2127a. Comet, Deep Rose.....10c.
- 2133. Comet, Light Blue.....10c.
- 2136. Comet, Mixed.....10c.

MIGNON.

One of the finest Asters for cut-flower work. Flowers are of good size, like those of Victoria. Height about fifteen inches. Blooms almost continuously. Pkt.

- 2083. Pure White.....10c.
- 2084. Mixed.....10c.

TRUFFAUT'S PEONY FLOWERED.

For size of flowers, beauty of colors and habit of plant, this Aster is almost unrivalled. Flowers are incurved like those of a Peony, and of beautiful form with rich, brilliant colors. Plants grow about two feet high, stout and vigorous. Pkt.

- 2085. Pure White.....7c.
- 2091. Rose.....7c.
- 2092. Blood Red.....7c.
- 2097. Light Blue.....7c.
- 2098. Dark Blue.....7c.
- 2100. Dark Crimson.....7c.
- 2102. Sky Blue.....7c.
- 2107. Mixed Colors.....5c.
- 2112. Imported Collection,
5 distinct colors.....25c.

VICK'S BRANCHING.

A favorite variety with fine large flowers on long stems. Excellent for cutting. 2 feet high. Blooms late. Pkt.

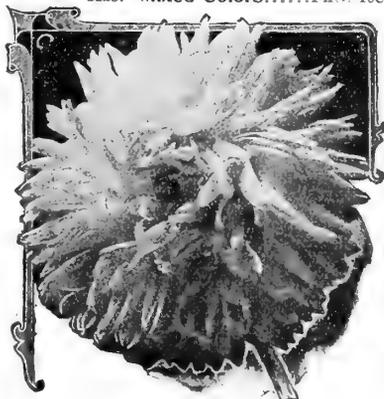
- 2123. White.....10c.
- 2124. Mixed.....10c.

NOTE: Above is separate and distinct from *Semple's Branching* (see next page). A greater range of colors can be supplied in *Semple* strain.

CROWN, or Cocardeau.

The flowers of this class are two colored. The center is pure white, with outer petals of various colors, such as crimson, blue, violet, etc. A large, full, double flower. 2 feet.

- 2125. Mixed Colors.....Pkt. 10c.



VICK'S BRANCHING.

..ASTERS..Continued.

DWARF QUEEN.

For bedding and pot culture. Splendid for cutting. Height one foot. Pkt.

- 2138. **White**5c.
- 2139. **Crimson**5c.
- 2145. **Mixed**5c.

One of each for 10c.

DWARF BOUQUET.

Grows about one foot high. Each plant produces 15 to 20 blooms. Useful to form edgings to flower beds. Pkt.

- 2146. **White**5c.
- 2156. **Crimson**5c.
- 2161. **Pink**5c.
- 2162. **Dark Blue**5c.
- 2167. **Mixed**5c.

Snowball or Princess.

2172. Very beautiful and distinct, having short, thick petals, the flower bearing a resemblance to a dwarf or pompon Dahlia. A single plant will produce a number of pure white flowers. Pkt., 10c.

2173. **TRIUMPH.** Most beautiful of dwarf Asters. Each plant in bloom makes a scarlet bouquet. Grows 8 inches high. Splendid for pot culture. Pkt., 10c.

2198. **"WALDERSEE."** Well suited for pot culture and bedding, being literally covered with small, flat rose-colored flowers, edged with white. Pkt. 25c.

Semple's Branching.

In bloom until frost. The flowers are 4 inches across, very double, of purest colors, and borne on long stems. Plants are strong growers, 1½ to 2 feet high. Fine for cutting.

Each, per Pkt., 5c.

- | | |
|--------------------------|--------------------------|
| 2174. White. | 2190. Crimson. |
| 2175. Light Pink. | 2191. Purple. |
| 2180. Lavender. | 2192. Rose. |
| 2185. Mixed. | 2193. Light Blue. |

ASTER, "Sunlight."

2197. Bears yellow flowers, 3 to 4 inches across, on stalk about 18 inches high. Pkt., 25c.



CHRISTMAS TREE ASTER.

2213. Grown in a pot, its peculiar form gives it novelty. Each individual flower is displayed on a long stem and stands out separately from its fellows instead of being closely grouped together. The plants are quite early in blooming, mixed. Pkt., 10c.

CARLSON'S IMPROVED.

Of the Paeony flowered type, but very greatly improved by selection in form and size. The plants, too, are at all times *vigorous and healthy*. As cut flowers these Asters are much esteemed by florists. Pkt. 2199. **Mixed**.....10c.

Two Fine Asters.

"DAYBREAK" and "PURITY."

DAYBREAK and PURITY are sisters. Both have their admirers. The former has lovely *shell-pink-flowers*; those of Purity are *pure white*. For showy effect the two should be planted side by side, they are truly *gems*, sturdy in growth, producing their handsome flowers on long stems early in the season. *Desirable for cutting.*

2194. **Daybreak.** Pkt., 10c. 2195. **Purity.** Pkt., 10c.

HOHENZOLLERN ASTER.

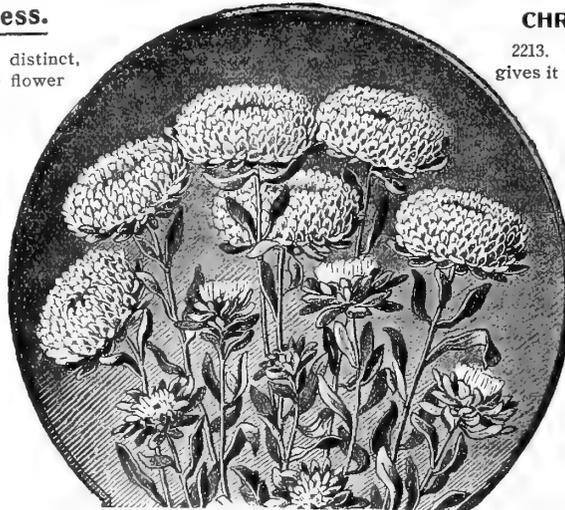
THE finest type of the Giant Comet, or Ostrich Feather type of Asters. Much larger than the Giant Comet, the petals longer and more curled and twisted, and produced in greater abundance. Borne on long stems, which makes them cut flowers par excellence. Pkt., 10c.

QUEEN OF THE MARKET.

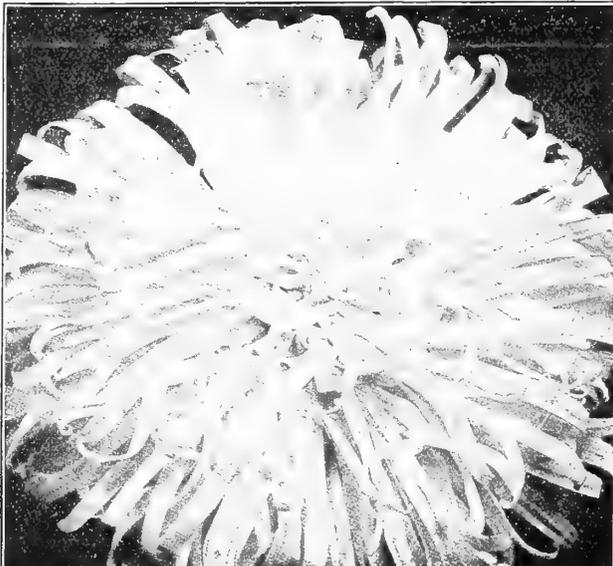
Blooms **three weeks earlier** than the other Asters. Beautiful flowers of large size and fine appearance, borne on stiff stems.

Any color or mixed colors. Pkt., 5c.

- | | |
|--|-------------------------|
| 2206. White | 2209. Purple |
| 2207. Pink | 2210. Light Blue |
| 2208. Crimson | 2211. Mixed |
| 2227. Asters, tall varieties, mixed.....Pkt., 5c. | |
| 2232. Asters, dwarf varieties, mixed.....Pkt., 5c. | |



ASTER, SUNLIGHT.



2196. **OSTRICH FEATHER, Salmon Pink.** Height 18 in. Each plant bears a number of large flowers. Blooms early. Pkt., 25c.

SANGAMON CO., ILL.—The Asters we had from you were the finest on the place.—B. M.

BALSAMS.

(LADY SLIPPER
TOUCH-ME-NOT.)



THE BALSAM, one of the oldest of garden plants, has in late years been greatly improved, resulting in flowers larger, more double, and in greater variety of colors. Sow seed in the open ground in May. The young seedlings, in rich soil, soon bear handsome flowers. The seed pods burst open at the slightest touch, hence one of the common names by which this plant is known, 18 in. T. A.

Double Camellia-Flowered Balsams.

This is the strain chiefly used by florists, who give it preference on account of the *very large and perfectly double flowers.*

In separate colors or Mixed. Pkt., 5c.

2243. **Scarlet;** 2244. **Crimson;** 2249. **Yellow;** 2255. **White;**
2254. **Solferino, white, with scarlet spots and stripes;** 2260. **Mixed.**

DOUBLE PURE WHITE BALSAM, "Alba Perfecta."

2262. This Balsam has always been in demand by florists for bouquets, etc. Its pure white, very double flowers, stem well. They are the largest and most perfect in form. Pkt., 5c.

2209. **Carnation Striped.** White, striped with purple or scarlet like a Carnation. Very showy and attractive. Pkt., 5c.
2210. **Double Balsam, Mixed.** A very good strain. Pkt., 5c.

BALLOON VINE.

2240. A rapid growing climber which succeeds best in warm soil. Flowers white; seed vessels look like small balloons. A. Pkt., 5c.

BALSAM APPLE AND PEAR.

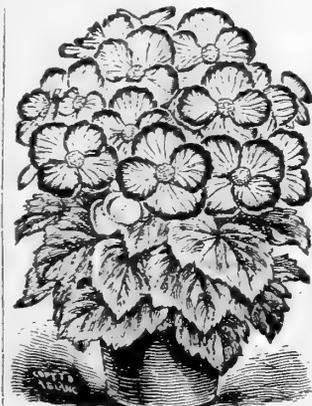
Either Variety, per Pkt., 5c.

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 ft. H. H. A.

3045. **Balsamina.** (Balsam Apple.)
3046. **Charantia.** (Balsam Pear.)

BEAN, Scarlet Runner.

3526. One of the good old stand-bys for covering screens and trellises. An exceedingly rapid grower. Its strong vines are always clothed with deep scarlet flowers, from early summer until late fall. Pkt., 5c.



TUBEROUS ROOTED BEGONIA.



BROWALLIA SPECIOSA MAJOR.

BEGONIA.

Everblooming Bedding Varieties.

The first three take rank with geraniums and coleus as bedding plants, succeeding admirably in sunshine or shade. As pot plants in winter they are very desirable, being almost constantly in bloom. Easily grown from seed.

2272. **Vernon.** Bright scarlet flowers. Leaves dark green at first, changing to red. Pkt., 10c.
2273. **Dwarf Begonia.** Same as above except in habit. Suitable for edgings. Pkt., 10c.
2278. **Erfordia.** Light pink flowers. Pkt., 10c.
2268. **Rex.** House plants with beautiful leaves. *Seeds are extremely small.* Pkt., 20c.
2266. Tuberous Begonias, single. Pkt., 25c.
2267. Tuberous Begonias, double. Pkt., 25c.

For Begonia Bulbs, see Bulb Department.

CANARY BIRD VINE.

2351. It will cover trellis work in the most thorough manner, producing in almost endless profusion, fringed, yellow flowers, which resemble a canary bird with expanded wings. Pkt., 5c.



WHITE PERFECTION BALSAM.

BROWALLIA.

Plants for house or garden, blooming all summer. Flowers, blue or white, 18 in. H. A.

2241. **Browallia, mixed.** Pkt., 5c.

B. SPECIOSA MAJOR.

2242. Each plant forms a miniature bush about a foot high, and bears continuously indigo-blue flowers with white throat. Valuable for winter window culture. Pkt., 10c

CACALIA.

2280. Pretty plants, bearing scarlet and yellow flowers from June to September. 1½ ft. H. A. Pkt., 5c.

2279. **CALANDRINIA.** A dwarf annual for the garden. In the sunshine its lovely pink flowers are beautiful. Pkt., 5c.

CALCEOLARIA.

Plants suitable for greenhouse and conservatory. Their beautiful flowers are pocket-shaped, marked and spotted in various ways. T. P.

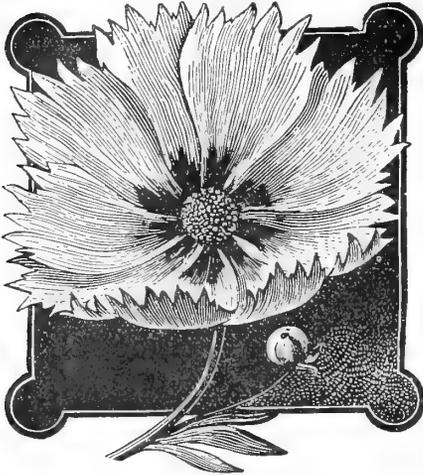
2285. **Grandiflora.** 18 in. 25c.
2290. **Nana.** Dwarf. Pkt., 25c.
2291. **Rugosa.** For Bedding, 25c.

CALENDULA.

(Pot Marigold.)

In good soil these plants bloom continuously, affording a generous supply of flowers. 18 in. H. A.

2352. **Meteor.** Double yellow flowers, striped with orange. Handsome. Pkt., 5c.
2362. **Prince of Orange.** Similar to "Meteor," but much darker in color. Pkt., 5c.
2363. **Mixed, all colors.** Pkt., 5c.



CALLIOPSIS, GOLDEN WAVE.

CANDYTUFT.

UNEXCELLED FOR BOUQUETS.

The seeds should be sown where the plants are to bloom in rows 6 or 8 inches apart, thinning out the plants so that those remaining will have plenty of room, as they branch quite freely. Keep seed heads off. 1 foot. H. A.

2292. **Carmine.** Pkt., 5c.
 2297. **Crimson.** Pkt., 5c.
 2309. **Purple.** Pkt., 5c.
 2298. **White Rocket.** Pkt., 5c.
 2300. **Tom Thumb.** Pkt., 5c.
 2301. **Annual, mixed.** Pkt., 5c.
 2308. **Empress.** Grows tall.

Large white heads. Pkt., 5c.
 2307. **Sempervirens.** Survives winter out of doors. Its pure white flowers are produced early in the season. 1 ft. H. P. Pkt., 5c.

McHENRY Co. ILL., All seeds bought of you last year gave abundant products. K. B.

CARNATION.

Carnations are favorites for their delicious fragrance and richness of colors. They are indispensable, both for greenhouse culture in winter and for the garden in summer. *Nearly all the varieties will bloom the first season from seed sown in the open ground in May or June.*

MARGARET CARNATIONS.

These begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf robust habit, producing on long stems an abundance of large, beautifully-fringed, highly-scented flowers.

2320. **Margaret, mixed colors.** Pkt., 5c.
 2319. **Margaret, White.** Fine double flowers. Pkt., 5c.
 2325. **Margaret, New Giant.** Immense double flowers. Pkt., 10c.
 2226. **Chabaud's Perpetual.** Grows taller than Margaret. Colors the same. Pkt., 10c.
 2327. **Guillaud, yellow and yellow striped flowers.** Pkt., 10c.
 2344. **Giants of Nice.** Very large flowers, in varied tints. Pkt., 25c.

BARNARD'S CARNATION MIXTURE.

2334. Contains seeds of all Carnations which bloom the first season after sowing. A packet, sufficient for a large bed, 10c.

- GRENADIN.** 2328. **Scarlet.** Pkt., 10c. 2349. **White.** Pkt., 10c.
 2333. **Double Dwarf Vienna.** Excellent garden variety. Pkt., 10c.
 2339. **CARNATIONS. Double, finest mixed.** Pkt., 10c.

CASTOR OIL BEAN.—(See Ricinus.)

CALLIOPSIS.

Also Called Coreopsis.

Handsome and showy plants of the easiest culture; require no care and thrive in any garden. Produce flowers in nearly every shade of yellow, orange, crimson, red, brown.

2461. **Coreopsis, annual.** Pkt., 5c.
 2466. **Golden Wave, golden yellow with crimson-brown center.** Plants are bushy and compact. Pkt., 5c.
 2467. **Lanceolata Grandiflora.** The flowers of this charming new hardy perennial are borne on long stems, are of a lovely bright golden yellow color, remain in perfection a long time when cut, and are a charming flower for ladies' wear. Pkt., 10c.

In ordering flower seeds it is only necessary to state the number. However it will greatly facilitate the filling of orders to mention both the name and number.

CAMPANULA.

(Canterbury Bells.)

Very ornamental garden plants of the easiest culture. They produce large, nodding, bell-shaped flowers, of many beautiful shades, blue, white, purple and spotted. 2½ ft. H. B. 2367. **Double, mixed.** Pkt., 5c.
 2368. **Single, mixed.** Pkt., 5c.

C. CALYCANTHEMA.

This is of comparatively recent introduction, the flower being very beautiful as well as novel. The bell of the flower is quite three inches in diameter, presenting the form of a cup and saucer. Blooms for several weeks during early summer. 2369. **"Cup and Saucer."** Pkt., 5c.

CANNAS. LARGE ... FLOWERED.

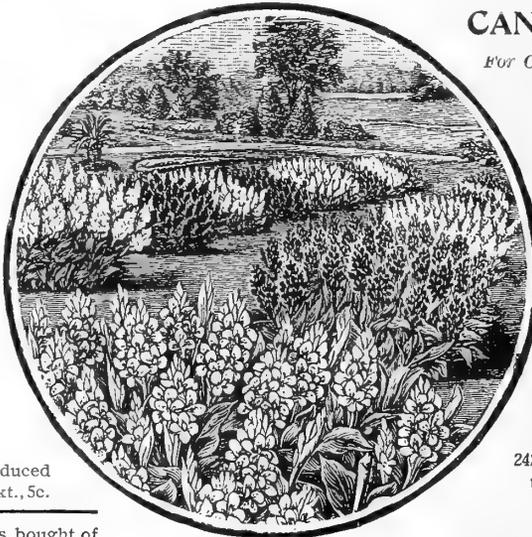
For Canna Roots see Bulb Department.

One of the most popular of bedding plants, while, even single specimens are most attractive in the garden. They will bloom the first year from seed, if you soak them in boiling water over night; sow single in small pots as soon as convenient, and grow as rapidly as possible. The roots can be kept in the cellar over winter and each clump will give six to eight good roots for planting out the following spring.

2425. **Large Flowering French.** All colors and shades. Pkt., 10c.

2426. **Cannas, Mixed.** Tall, old type. Pkt., 5c.

See also page 74.



CANNA BEDS.



MARGARET CARNATION.

Centaurea. (Bachelor's Button.) (Corn-Flower, Blue Bottle.)

An old favorite hardy annual known by various popular names. There are several different varieties, some of which are valuable for their pretty foliage which makes them desirable for edgings to flower beds. Others are grown for their flowers. A bunch of blue corn-flowers is a favorite with many.

- 2387. **Odorata**, sweet scented, light blue or purple flowers. Pkt., 5c.
- 2388. **Margaret**. The large flowers are purest white, deliciously scented and borne on long stems. Pkt., 5c.
- 2389. **Cyanus Fl. Pl.** (*Double Corn-Flower.*) Large, double globe-shaped flowers in new and beautiful colors. Pkt., 5c.
- 2390. **Cyanus**. Old-fashioned Bachelor's Button or Corn-Flower. Pkt., 5c.

GIANT CORN-FLOWER. (C. Imperialis.)

2396. It is of the **easiest culture**, and *should have a place in every garden*. The bushes about 4 feet high, are **covered with large, beautiful flowers, which will keep for over a week** in water, if cut just when they are about to open. The colors vary. There are white, lilac, rose, dark red, purple and others. The seed we offer is mixed. Pkt., 5c.

- 2398. **Emp. William**. Rich, dark blue.....Pkt., 5c.
- 2399. **Victoria**. A dwarf form of above.....Pkt., 10c.

White-Leaved Centaureas or "Dusty Millers."

These are planted for bedding or borders, not for flowers.

- 2391. **Candidissima**. Silver gray foliage. 1½ ft.....Pkt., 10c
- 2397. **Gymnocarpa**. Leaves silvery white. 1 ft.....Pkt., 5c.

CINERARIA.

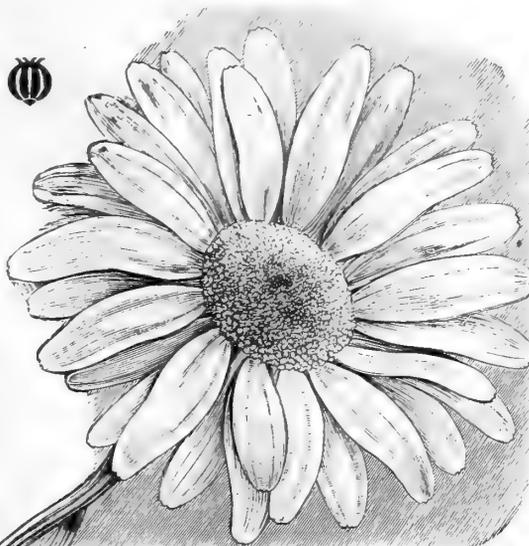
The most popular and the **easiest house plant to grow from seed**. Sow from May to September. Plants grow from 1 to 3 feet high and are covered with flowers, some of them 2 inches across. Greenhouse perennial.

2380. **ENGLISH PRIZE STRAIN**. Without an equal for size of flowers or beauty of color. This is the strain we supply to florists and it gives universal satisfaction. Pkt., 25c.

- 2382. **Nana**. Dwarf. Pkt., 25c.
- 2383. **Plenissima**. Pkt., 25c.
- 2384. **Cineraria Maritima**. (*Dusty Miller.*) Extensively used for ribbon planting, vases, hanging baskets, etc.; leaves silver gray; although perennial it is grown as an annual. Pkt., 5c.



CELOSIA - TRIUMPH OF THE EXPOSITION.



CHRYSANTHEMUM MAXIMUM PERFECTION.

white flowers that last in water a week after cutting.....Pkt., 10c.

CELOSIA PLUMOSA. (Feathered Cockscomb.)

The feathered varieties of the Celosia family rank amongst the most decorative annuals and are equally effective if planted in groups or as solitary plants. The plants are of uniform size, growing about 20 inches high while the feathery flower heads are produced on numerous branches.

Triumph of the Exposition.

Plant of pyramidal form; about 2 feet in height. Foliage a beautiful bronze color. Bears numerous graceful, feather-like spikes of brilliant scarlet, making a display almost if not equal to that of Scarlet Salvia. Of easy culture and in bloom until frost.

- 2376. **Celosia, Triumph**..... Pkt., 5c.

Celosia, Ostrich Feather.

Ornamental, grown either in a pot, or out of doors. Grows in pyramid form, about three feet high. Its scarlet flower sprays are feathered, or plume-shaped. Our mixture includes varieties of the brightest colors, both in flowers and foliage.

- 2375. **Ostrich Feather, mixed**. Pkt., 5c.



DOUBLE CORN-FLOWER.

CHRYSANTHEMUMS

ANNUAL VARIETIES.

The annual Chrysanthemums bloom all summer long. They make a beautiful show grown in pots or in beds, and are extensively grown as cut flowers.

- 2445. **Single**. Mixed. Pkt., 5c.
- 2446. **Double**. Mixed. Pkt., 5c.
- 2447. **Japanese**. Seed we offer is from the best growers. Sown in a hotbed in February or March, or even in April it will give plants which will bloom next fall. Some very choice varieties may be expected. The enormous flowers elicit universal admiration. Pkt., 25c.

PERENNIAL SORTS.

- 2445. **Frutescens Grandiflora**, (*French Marguerites*). Largely grown for cut flowers. They make elegant bushy pot plants for winter flowering and bloom, all summer in the garden. White. Pkt., 5c.
- 2447. **C. Maximum Perfection**. Beautiful large white flowers, 4 to 6 inches across; makes a compact, bushy plant, which yields liberal quantities of

CLARKIA.

Pretty annual for flower beds. Flowers red, white, pink, purple, etc. Grows about 18 inches high and blooms freely all summer. Sow where plants are to bloom and thin out.

2402. **Single**, 5c. 2403. **Double**, 5c.

CLEMATIS. (*Virgin's Bower*.)

One of our best climbing shrubs, admirably adapted for covering stumps, arbors or rock-work; we offer a very choice mixture of the best varieties.

2425. **Clematis**. Pkt., 10c.

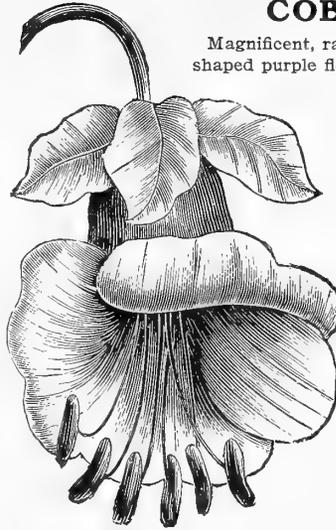
CLIANTHUS DAMPIERI.

GLORY PEA OF AUSTRALIA.

2426. Undoubtedly one of the most gorgeous flowers in existence and of the few that show a clear, glossy, jet-black color. The trailing plants grow 1 to 2 feet high, and bear in clusters of 5 or 6, the most beautiful red flowers. H. H. A. Pkt., 15c.



COLEUS.



COBÆA SCANDENS.

COBÆA SCANDENS.

Magnificent, rapid growing annual climber with large bell-shaped purple flowers, adapted for outdoor growth in summer also for the house and greenhouse. A thrifty plant will often grow 20 to 30 feet in one season. H. H. P.

2473. **Cobaea Scandens**, Purple. Pkt., 5c.
2498. ——— White. Pkt., 5c.

COCKSCOMB.

(CELOSIA CRISTATA.)

2370. **Tall Cockscombs**, mixed. Pkt., 5c.
2371. **Dwarf Cockscombs**, mixed. Pkt., 5c.

Cockscomb, President Thiers.

2376. Much used in the public parks for bedding, mixed with other plants to give color. Dwarf in habit; green leaves, and bright crimson combs. Pkt., 10c.

For Feathered Celosia.

See preceding page.



PRESIDENT THIERS.



COLEUS.



Handsome foliage plants *most easily grown from seed* and very popular for bedding also for pot culture. The new, large leaved Hybrids with foliage notched and fringed in a most wonderful manner, are an immense improvement on other sorts. Seeds sown early in the spring will produce fine plants for outdoor planting. T. P.

2494. **Finest Varieties in Mixture**. 1 to 2 feet. Pkt., 10c.

2499. **New Large Leaved Hybrids**. Very large and superbly variegated foliage, mixed. Pkt., 25c.

COLEUS PLANTS FOR BEDDING.

We can supply nicely rooted plants in season in 4 varieties, 4 for 30c or 85c per dozen; postpaid.

CONVOLVULUS MAJOR. (**Morning Glory.**)

ONE of the old favorite climbers which has a place in every garden. The rapid growth, reaching a height of 15 to 20 feet, the beautiful green foliage, mixed with numerous brilliant colored flowers, make the Morning Glory one of the best adapted annuals to cover verandas, etc. They do well in ordinary garden soil, need very little care, and should be sown where they are to bloom.

2429. **Tall Morning Glory**. Colors mixed in an almost endless assortment. Oz., 10c; pkt., 5c.

MORNING GLORY "ROCHESTER."

The plants grow 10 to 15 feet high, and are covered with their large flowers, which are deep blue in the throat, shading to lighter, and bordered with pure white on the edge.

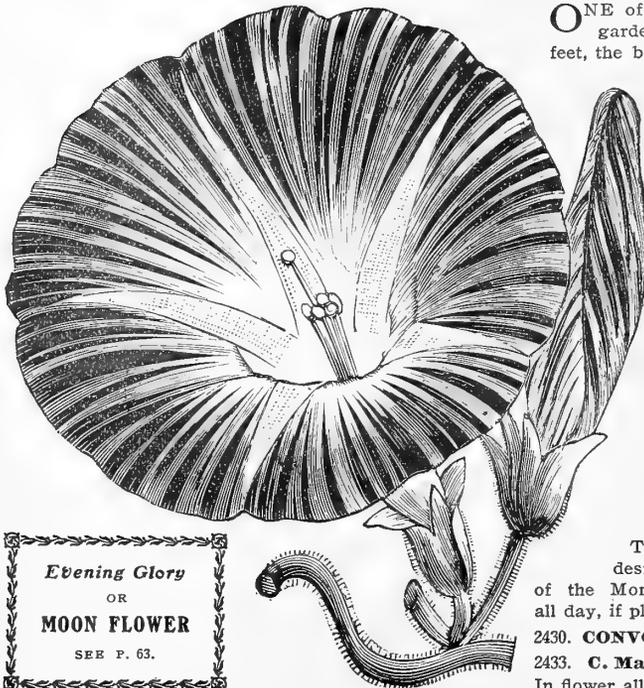
2432. **Convolvulus Rochester**. Pkt., 10c.

Imperial Japanese Morning Glory will be found offered on p. 63.

DWARF MORNING GLORIES.

These are dwarf growing trailers, very pretty and desirable for bedding. Flowers about two-thirds the size of the Morning Glory, brilliantly colored and remain open all day, if pleasant. 1 ft. H. A.

2430. **CONVOLVULUS MINOR, Mixed**. Colors in variety. Pkt. 5c.
2433. **C. Mauritaneus**. Bright blue; fine for baskets and vases. In flower all summer long. Pkt., 10c.

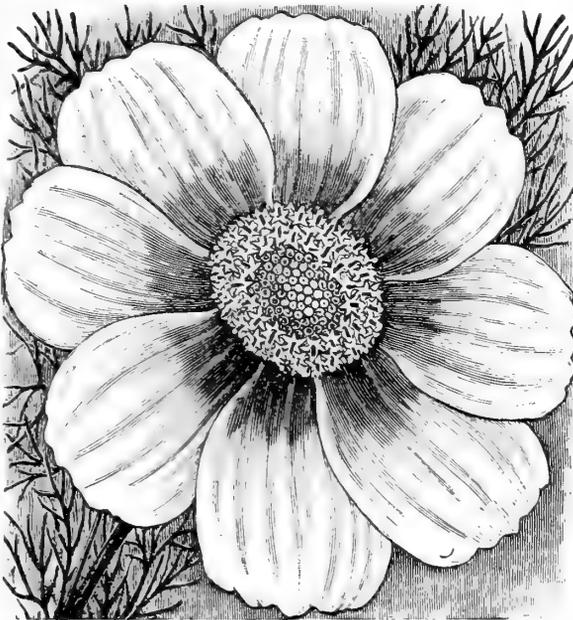


Evening Glory
OR
MOON FLOWER
SEE P. 63.

COSMOS, AN UNRIVALED PLANT FOR FALL BLOOMING.

THIS has developed into one of our most beautiful garden annuals, and has been appropriately called "The Glory of Autumn." Cosmos has light, feathery foliage, makes nice shapely plants from 4 to 5 feet high, begins to bloom in August, and continues till autumn. Covered with hundreds of lovely blossoms, 2 inches in diameter, resembling single dahlias. Flowers are pure white, pink and rose, with bright yellow centers. They are largely grown for cutting, as both the flowers and foliage are highly valued for bouquets and floral work.

2513. New Marguerite Cosmos. Large flowers of from 2 to 3 inches across, petals deeply fringed, resembling Marguerites. Pkt., 10c.



GIANT FLOWERED FANCY COSMOS.

These gigantic flowers measure from 4½ to 5 inches across, petals fringed, pinked, toothed and plain, and in color from pure white through shades of pink and red to rich dark red.

2509. Giant Red.....Pkt., 5c. 2511. Giant Pink.....Pkt., 5c.
 2510. Giant White....Pkt., 5c. 2512. Giant Mixed...Pkt., 5c.

DWARF, EARLY-FLOWERING.

By planting this strain, flowers may be had from July until frost. Of compact, bushy growth (only about 4 feet) with flowers fully as large as the older sorts. This has proved to be a most popular variety.

2508. "Dawn." White with a tinge of rose. Pkt., 5c.
 2493. Early Flowering. White, pink and crimson, mixed. Pkt., 5c.
 2507. Klondike. Blooms early and until frost. Flowers 2½ to 3 inches across, orange-yellow. 10c.

IF YOU
are interested in

DAHLIAS

Please turn to page 75. We have one of the finest collections in the West, and our prices for roots are very reasonable.

Please
ORDER EARLY.

If your order comes to us in February it will be filled quickly and seeds will be on hand to plant first warm day.

CYCLAMEN.

Very pretty plants, with beautiful foliage and rich-colored, fragrant flowers; universal favorites for winter and spring blooming. G. P.



CYCLAMEN PERSICUM.

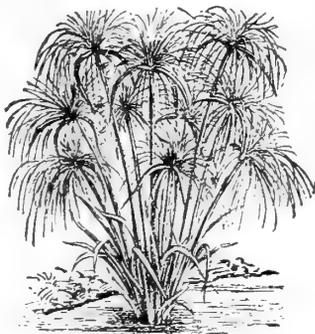
2515. Giganteum, mixed. Pkt., 25c.
 2516. Persicum, mixed. Pkt., 20c.

Giant German.

Nothing hitherto sent out can match the enormous flowers of rare beauty, with frilled and curled edges, which are seen in this strain. Pkt. (20 seeds) 50c.

2517. White. 2518. Rose.
 2523. Brown Red.
 2522. Bright Red. 2524. Mixed.

2504. CUPHEA *Platycentra.* (Cigar Plant.) Flowers scarlet, tipped with black. A favorite bedding and pot plant. Pkt., 10c.



CYPERUS or Umbrella Plant.

2504. A graceful decorative plant which grows readily in water and most easily from seed. The leaves radiate from the stem and curve downward in a drooping manner. Valuable for the window garden. Pkt., 5c.

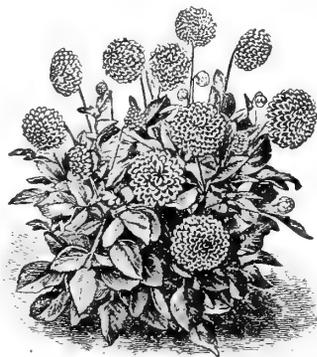
CYPRESS VINE.

(IPOMEEA QUAMOCLIT.)

2514. A handsome climber that will run 15 feet or more during the season. Should be planted by the side of a trellis, tree or stakes. Its beautiful dark green foliage and star-shaped flowers in clusters are a mass of beauty all summer long, mixed. Pkt. 5c.

DAHLIAS.

These grand flowers of the autumn can be raised very easily from seed sown early indoors. Take up roots in fall and preserve over winter in sand, 3 to 5 feet. H. H. P.



2525. Double, Large Flowered, in great variety of colors. Pkt., 10c.

2526. Single, Mixed. These have star-shaped flowers in almost every color except blue. Single Dahlias are in bloom from June until frost. They are valuable for bedding plants, and the cut flowers are desirable for decorative purposes. Pkt., 5c.

See Bulb List for Dry Roots.

Large stock of splendid varieties.

DOUBLE DAISY. (*BELLIS PERENNIS*.)

Charming plants, indispensable for cool, shady places. Next to the pansy the most popular garden flower. Seed sown early will give blooming plants in a short time. With protection, Daisies will endure our winter and bloom in early spring. H. H. P.

2540. **Longfellow.** Double, dark pink flowers, comes true. Pkt., 5c.
 2541. **Snowball.** A sport of Longfellow, with pure white flowers. Pkt., 5c.
 2543. **Double, Mixed,** including Longfellow and Snowball. Pkt., 5c.

GIANT FLOWERED DAISIES.

The plants are stronger than ordinary double daisies; they bloom earlier and for a longer time.

2544. **Giant Daisies, Mixed.** Pkt., 10c.
 2545. **Giant White Daisy.** Pkt., 10c.

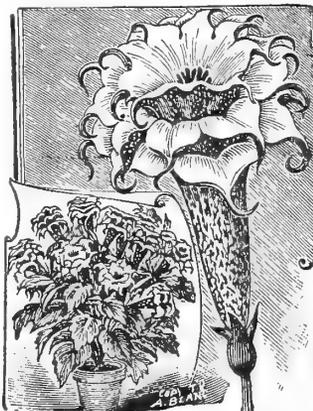
THE SHASTA DAISY.

2542. Worthy of a place in every garden. A *hardy perennial* of the easiest cultivation, producing large, graceful flowers, of *purest, glistening whiteness*, on long, strong, stiff, wiry stems. The blooms, when cut, *remain fresh for a week or more.* Pkt., 10c.

DATURA, (Trumpet Flower).

Strong growing, branching, bushy plants, suitable for backgrounds and shrubberies. Very showy trumpet-like flowers, white, lilac, and yellow. H. A.

2527. **Datura, mixed.** Pkt., 5c.
 2538. **Cornucopia.** Three funnel-shaped flowers in one; white inside, outside marbled with purple. Pkt., 10c.



DATURA CORNUCOPIA.



BELLIS PERENNIS.

DELPHINIUM or Perennial Larkspur.

Vigorous, growing plants, with curiously cut leaves and beautiful flowers. For permanent beds and borders they are unsurpassed.

2562. **Formosum.** Dark blue with white center. 2 feet. Pkt., 5c.
 2567. **Nudicaule.** Orange red flowers; dwarf, compact growth, 18 inches. Pkt., 10c.
 2568. **Coelestinum.** Sky-blue, true, 10c.
 2569. **Elatum Hyb. Nanum.** Semi-dwarf; 3 to 3½ feet high. Plants are branching in habit, bearing extra large flower in all shades of blue, from light to very dark. Pkt., 25c.

ANNUAL LARKSPUR.

Beautiful plants with feather-like foliage, producing spikes of flowers, white, pink, blue and violet.

2550. **Hyacinth Flowered.** Colors white, flesh-tinted, lavender and blue, in mixture. Pkt., 10c.

2555. **Double Tall Branching.** Valuable for cut flowers. Pkt., 5c.
 2560. **Tall Rocket.** Pkt., 5c.
 2561. **Emperor.** Long, slender stems; mixed. Pkt., 5c.

DIANTHUS. GARDEN PINKS.

Garden Pinks, like their relatives the Carnations, are flowers for everybody. They thrive in any soil, grow ten to fifteen inches high and are covered, from early summer until overtaken by frost with, beautiful sweet-scented flowers in various colors, variegated, striped, red, and some almost black. Splendid for bouquets. All bloom the first season, and some endure our winters, bloom again another year, larger and more beautiful than before. With these good qualities, they should have a place in every garden. H. B. Pkt., 5c each, unless otherwise stated.

Double Annual Varieties.

2570. **Chinensis Fl. Pl.** (Chinese Pink). Double mixed.
 2574. **Chinensis Albus. Fl. Pl.** White flowers.
 2584. **Heddewigii Fl. Pl.** (Japan Pink). Large flowers.
 2579. **Heddewigii Albus Fl. Pl.** Double white, fringed.
 2589. **Laciniatus Fl. Pl.** Large double flowers with fringed edges and beautifully striped.
 2594. **Imperialis Fl. Pl.** (Double Imperial Pink). A very pretty variety, beautifully variegated.
 2604. **Diadematus Fl. Pl.** (Diadem Pink). Beautiful large double flowers. Splendid variety.
 2609. **Mourning Cloak.** Purple margined white.

Single Annual Varieties.

2611. **Laciniatus.** A beautiful fringed variety. Mixed.
 2612. **Heddewigii.** Fine large flowers.
 2613. **Crimson Belle.** Of largest size, dark crimson.
 2614. **Eastern Queen.** Marbled with light and dark mauve.
 2615. **The Bride.** Large single, white, purple center, dainty.

Hardy Perennial Varieties.

These are well adapted for beds and borders. Sweet-scented. Should be in gardens where cut flowers are wanted.

2618. **Plumarius.** (Pheasant-eye.) A beautiful, single, hardy pink with fringed-edged white flowers, dark centre.
 2623. **Plumarius Fl. Pl.** Double and semi-double varieties in mixed colors. Beautiful and fragrant. Pkt., 10c.



TYPES OF DIANTHUS FLOWERS.

MIXTURES OF PINKS.

2617. **Single, mixed,** ¼ oz., 15c; pkt., 5c.
 2610. **Double, mixed,** ¼ oz., 15c; pkt., 5c.
 2616. **Single and Double Pinks, mixed,** all varieties described on this page. Will make a bed of beautiful flowers; scarcely two plants alike in bloom. ¼ oz., 15c; pkt., 5c.

DIGITALIS, Fox Glove.

Fox Gloves, when well grown, are stately plants with flower spikes, 2 feet or more in length. The thimble shaped flowers in various colors, are freely produced. Prefers partial shade. H. P.
2539. **Digitalis**, mixed. Pkt., 5c.

EDELWEISS. (Leontopodium Alpinum.)

2721. The interesting white, downy leaved plant sought after by Alpine tourists. It thrives in any sunny garden, 6 in. H. P. Pkt., 10c.

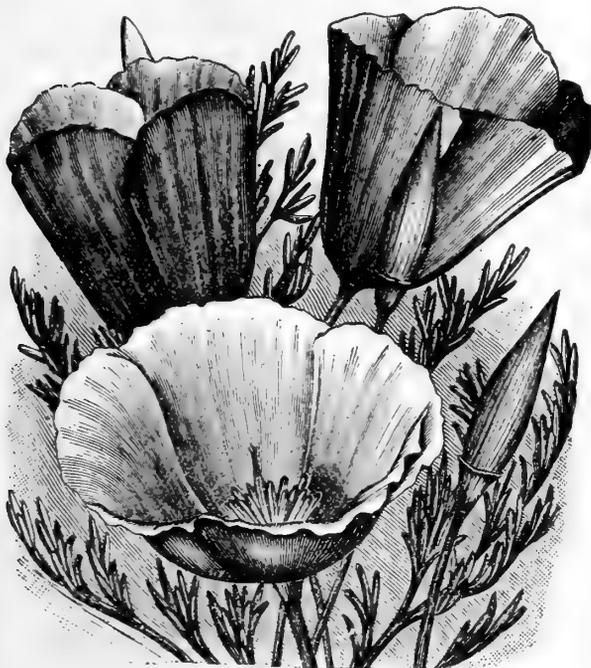
EMMENANTHE. "WHISPERING OR YELLOW BELLS."

An annual from California. It forms a large bush 18 inches or more in height. Flowers are pale yellow. The rustling sound made by the dried bells has suggested a popular name.
2656. **Emmenanthe Penduliflora**. Pkt., 5c.

ESCHSCHOLTZIA.

The State Flower of California.

Useful for beds or massing. They begin to bloom in a few weeks from spring sown seeds and continue to flower until late in the fall. The large, saucer-shaped flowers are of a beautiful yellow, orange or white, the foliage is finely cut, giving the plants an exceedingly showy appearance. One foot. H.A.



ESCHSCHOLTZIA.

- 2646. **Golden West**, light orange.....Pkt., 5c.
- 2651. **Mandarin**, scarlet and orange.....Pkt., 5c.
- 2652. **Rose**, large carmine flowers.....Pkt., 5c.
- 2653. **Single**, several colors in mixture.....Pkt., 5c.
- 2655. **Double**, several colors in mixture.....Pkt., 5c.

Hunnemannia, or Bush Eschscholtzia.

Showy, yellow, tulip-shaped flowers on long, stiff stems. The cut flowers in water remain fresh several days.

- 2641. **Hunnemannia**, bright yellow.....Pkt., 5c.

DOLICHOS, or Hyacinth Bean,

A rapid growing climbing plant suitable for covering arbors, porches, trellises, etc. Has pretty foliage.
2628. **Purple and White**. Pkt., 5c.
2628a. **Sunlight**, white. Pkt., 10c.

DRACÆNA, or Club Palm.

Ornamental leaved plants for vases and house decorations. T. P.
2633. **Australis**, long, narrow, graceful foliage. Pkt., 10c.
2634. **Indivisa**, thin leaves. Pkt., 5c.
2635. **Lineata**. Pkt., 10c.

EVERLASTING FLOWERS.

We group these under one head for convenience of ordering.

EVERLASTINGS, so called, take their name from the fact that their flowers, cut when in full bloom and dried in the shade, retain their form for years thereafter. Except **Gomphrena**, which is tender, requiring heat to start into growth, all may be sown out of doors in any good garden soil.

- 2657. **Acroclinium**, rose and white.
 - 2662. **Gomphrena**, red, clover-like heads.
 - 2663. **Helichrysum**, mixed, these flowers can be dyed to any desired color. Splendid for bouquets.
 - 2664. **Silver Ball**, double white. 2665. **Helipterum**, yellow.
 - 2666. **Rhodanthe**, various colors, white, pink, etc.
 - 2671. **Xeranthemum**, purple and white. Form and color retained longest of all. Grows in any kind of soil.
- Any of above, Pkt., 5c. 1 of each, 7 for 25c.

FORGET-ME-NOT, or Myosotis.



An old favorite. It flourishes best in a moist, shady situation and is in constant bloom nearly the whole season. Fall sown seed will flower in early spring. If sown in boxes in the house, early, will flower the first season. Six to twelve inches. H. P.

- 2672. **Alpestris**, blue; for bedding. Pkt., 5c.
- 2673. **Victoria**, large, sky-blue flowers with yellow centers. Good sort for cut flowers. Pkt., 5c.
- 2674. **Dissitiflora**, blue; early bloomer. Pkt., 5c.
- 2679. **Palustris**, True Forget-me-not. Blue with yellow eye. "A modest little flower, to friendship ever dear." Pkt., 5c.
- 2680. **Robusta Grandiflora**, of pyramidal habit. Large, fine blue and yellow flowers. Pkt., 5c.
- 2681. **Forget-me-not**, mixed varieties. Pkt., 5c.

GAILLARDIA. (Blanket Flower.)

A useful bedding plant succeeding best in good soil. The flowers are large and showy, in several shades of yellow, orange and crimson. Two feet. A. and P.

- 2694. **Picta Lorenziana**, double flowers. Pkt., 5c.
- 2695. **Mixed**, single annual sorts. Pkt., 5c.

PERENNIAL GAILLARDIAS.

- 2693. **Grandiflora Superba**, scarlet and orange; fine for cutting. Flowers large and showy. Pkt., 5c.
- 2696. **New Hybrids**, beautiful flowers in rich and varied colors, as dazzling scarlet, with gold edge, blood crimson with yellow edge, yellow with orange disc, golden with scarlet border, pure yellow, fiery crimson, and others. Good bedding plants. Pkt., 10c.

GERANIUM.

PLANTS esteemed both for house culture and bedding out of doors. Sown early in the house the seedlings will bloom the first summer. 1 to 2 ft. G. P.

2682. **Zonale.** Saved from choice and new varieties. 5c.

2683. **Apple Scented.** Its delightfully fragrant leaves are prized for use in bouquets. Apple geranium is grown from seed only. Pkt., 10c.

Glaucium Flavum.

This is a hardy annual Horn-Poppy, having large, fine shaped flowers, orange-red in color with black or yellow spots. In bloom nearly all summer.

2705. **Glaucium Flavum.** Pkt. 10c.

GODETIA.

These plants are suitable for beds, borders, for pots, and to grow in shady places. They bloom from early spring until frost. Their large flowers are very beautiful, glistening in the sun. Many shades and variations in color, pure, white, bright red, dark crimson, and spotted. 18 in. H. A.

2710. **Godetia, mixed.** Pkt., 5c.

Grevillea Robusta.

2704. A beautiful decorative plant with fern-like foliage. Excellent for a table decoration. Early grown. 2 to 3 ft. G. P.

Ornamental Gourds.

Climbers of rapid growth, desirable for covering old trees, trellises, walls, etc. They bear fruits in varied and odd shapes. T. A.

2697. **Nest Egg.** Looks like an egg. Pkt., 5c.

2698. **Luffa.** The inner fibre is used as a sponge, dish rag, or a bonnet. Pkt., 5c.

2699. **Sugar Trough.** Shaped like a pumpkin. Pkt., 5c.

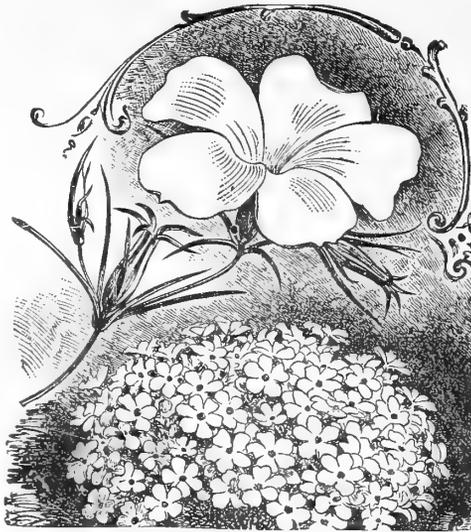
2700. **Gourds, mixed.** Pkt., 5c.

GYPSOPHILA.

Dwarf plants suitable for hanging baskets or for edgings. Just the thing to work with other flowers into bouquets. The tiny white flowers are borne in abundance on long stems. In bloom from early summer until late frosts. A. and P.

2111. **G. Elegans.** White. Pkt., 5c.
2112. **G. Paniculata.** White; perennial. Pkt., 5c.

Could you not induce one or two of your neighbors to send with you for seeds? By taking advantage of our liberal discounts it will pay you well for every hour spent, and we will be grateful for your kindness.



GILIA, DWARF WHITE.

GILIA.

GILIAS have finely cut foliage and clusters of small, delicate flowers, white, lilac and rose color. Sow seed any time in open ground. Does well in pots. H. A.

2701. **Gilia, mixed colors.** Pkt., 5c.

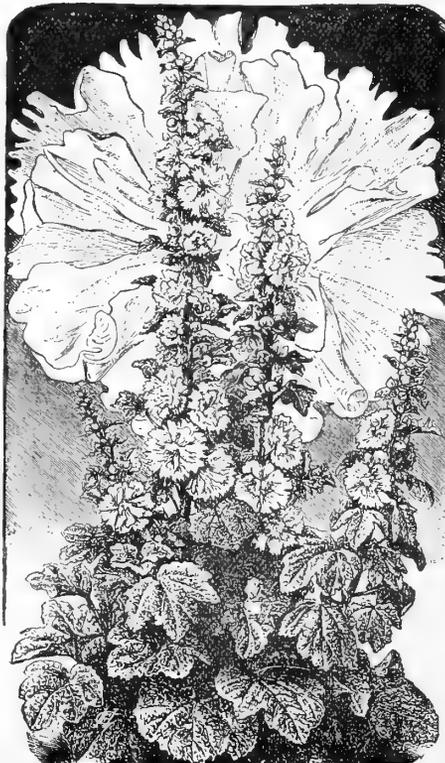
2702. **Gilia, dwarf white.** Pkt., 5c.

GLOXINIA.

This grand plant for pot culture in the house or in a shady place on the porch in summer, can be had in bloom four or five months from the time seed was sown. The handsome, bell-shaped flowers embrace rich and beautiful colors, from pure white to blood red, pink, bluish and spotted. 1 ft. T. P.

2703. **Gloxinia, mixed.** Pkt., 25c.

2703a. **G. Defiance.** Brilliant scarlet. Pkt., 25c.



ALLEGHENY HOLLYHOCK.

HELIOTROPE.

Deliciously fragrant plants, which if sown early in heat, bloom the first season. They are favorite plants for pot culture in winter, or bedded out in summer. Purple, lilac and white flowers are borne continuously. 2 feet. G. P.

2723. **Dark Sorts, mixed.** Pkt., 5c.

2724. **Mammoth Flowered.** This strain gives flowers almost twice the size of others. Colors from almost white to deep, dark purple. Pkt., 10c.

2732. **Heliotrope, finest mixed.** Pkt., 5c.

HELIANTHUS.

The Helianthus, or Sunflower, is well known. Many improvements have been made upon it, the newer varieties being now considered indispensable for cut flowers. In bloom from June until frost. 3 to 4 feet. H. A.

2713. **Multiflorus.** Forms a dwarf plant. Each branch carries double golden yellow flower. Pkt., 5c.

2715. **Miniature.** Flowers single, bright orange, elegant in form. Pkt., 5c.

2717. **Mammoth Russian.** Grown chiefly for its seeds. Pkt., 5c.

2718. **Globosus Fistulosus.** 6 feet tall. Double saffron flowers. Pkt., 5c.

HOLLYHOCK.

FOR a background to a flower garden, or any other place where tall, showy plants are needed for effect, the Hollyhock stands pre-eminent. The flower spikes, 5 to 6 feet high, are crowded with large flowers as handsome and as double as a Camellia. 6 feet. H. B.

Chater's Prize Hollyhocks.

2754. Without doubt, the choicest strain in cultivation. Ten or more colors in mixture. Pkt., 10c.

Double Hollyhocks.

Any of the following: Pkt., 5c.

2740. **White.** | 2748. **Yellow.**

2741. **Crimson.** | 2753. **Maroon.**

2742. **Salmon.** | 2755. **Pink.**

2743. **Double Hollyhocks, mixed.**

MAMMOTH ALLEGHENY

HOLLYHOCKS.

Bloom the first year from seed.

The flowers of this type often measure 5½ inches in diameter, are semi-double, and composed of fringed and crinkled petals, resembling rosettes of satin. The colors are shell-pink, rose and ruby red. The plants are hardy and large, robust growers; the flowers are gracefully and carelessly placed among the large, leafy branches, which suits the airy style of flowers, showing them off to the best advantage.

2765. **Allegheny Hollyhocks,** mixed colors. Pkt., 10c.

HUMULUS JAPONICUS. (JAPANESE HOP.)

2766. **Japonicus.** A very ornamental and fast-growing climbing plant. The foliage resembles in shape that of the common Hop, is very dense, and in color a lively green. Pkt., 5c.
2767. **Variegatus.** A variegated variety of the above. The leaves are beautifully marbled and splashed with silvery-white, light and dark green, very effective for screens, arbors, trellises, etc. As with the green-leaved variety, it is never injured by insects, nor affected by the heat, but retains its fresh and bright variegated foliage until frost. Pkt., 10c.



VARIEGATED LEAVED HOP.

HUNNEMANNIA.

(Giant Yellow Tulip Poppy, or Bush Eschscholtzia.)

2641. **Fumaræfolia.** This is by far the best of the Poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large yellow, poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, with beautiful foliage. Pkt., 10c.

ICE PLANT. (Mesembryanthemum.)

A pretty annual of drooping habit, useful for hanging baskets and rock-work; stands sun and drought admirably. The leaves have a waxy appearance, they feel cold to the touch and sparkle in the sun.

2780. **Ice Plant.** Pkt., 5c.

IMPATIENS. (Zanzibar Balsam.)

This is a beautiful plant either for pot culture or in the garden. The flowers have a waxy appearance, and are borne in great profusion.

2774. **Sultani,** rose colored. Pkt., 10c.

2775. **Sultana Hybrida.** Remarkably beautiful hybrids of this much admired plant in various shades or colors, delicate pink, rose, violet and others, mixed. Pkt., 5c.

KENILWORTH IVY.

Hardy little climber and a valuable trailing plant. Clings to walls, etc., and is useful in baskets. Neat foliage and small lavender flowers.

2801. **Linaria.** Pkt., 5c.



LOBELIA.

Little, round compact plants, 4 to 6 inches high, forming little mounds of bloom; splendid for hanging baskets, also for edgings of flower beds.

2807. **Emp. William.** Light blue. Pkt., 5c.
2808. **Crystal Palace Compacta.** Deep blue. Splendid bedder. Pkt., 5c.
2809. **Speciosa.** Blue trailing. Pkt., 5c.
2810. **Alba.** White; for baskets, vases, etc. Pkt., 5c.
2812. **Barnard's Perpetual.** Ultramarine blue, marked with a pure white blotch at base of lower petals. Pkt., 10c.
2813. **White Gem.** Blooms early; good for all purposes. Pkt., 5c.
2814. **Lobelia.** Mixed colors. Pkt., 5c.
2824. **Prima Donna.** Rich, velvety crimson maroon flowers. Pkt., 5c.

PERENNIAL LOBELIA.

2819. **Queen Victoria.** Dark scarlet flowers; dark leaves; very showy; 3 feet. A fine border plant. Pkt., 10c.

Your Confidence will not be misplaced if you intrust to us the filling of your Seed Order. We have had years of experience in this direction.



LOBELIA. "WHITE GEM."

LANTANA.

An extra fine bedding plant, with brilliant Verbena-like flowers, in all shades of vermilion, orange, lemon-white and pink.

2791. **Lantana,** mixed. Pkt., 10c.

Lathyrus Latifolius.

(Hardy Everlasting Pea.)

Hardy climbers, growing 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. They are peculiarly adapted to rough places, to scramble over rocks and bushes; splendid cut flower.

2835. **L. Latifolius,** mixed. Pkt., 5c; oz., 15c.

Lavender.

Sweet scented, shrubby perennial, with blue flowers. Its dried heads are used to impart an agreeable fragrance to linen closets.

2796. **Lavender,** fragrant. Pkt., 5c.

Linum.

2802. A flax, with beautiful scarlet flowers and pretty foliage. Pkt., 5c.
2803. **Perennial Linum,** mixed. Pkt., 5c.

LOPHOSPERMUM.

2840. **Scandens.** Highly ornamental annual climber with showy rose purple flowers. 10 ft. Pkt., 10c.

LUPINS. Sun Dials.

- Easily grown, showy plants, useful for beds and borders. Thrive in any soil. They have long spikes of pea-shaped flowers. 2 to 3 feet. H. A.
2804. **Tall Mixed.** Pkt., 5c.
2805. **Dwarf Mixed.** Pkt., 5c.
2806. **True Blue.** Pkt., 5c.

LYCHNIS. Ragged Robin.

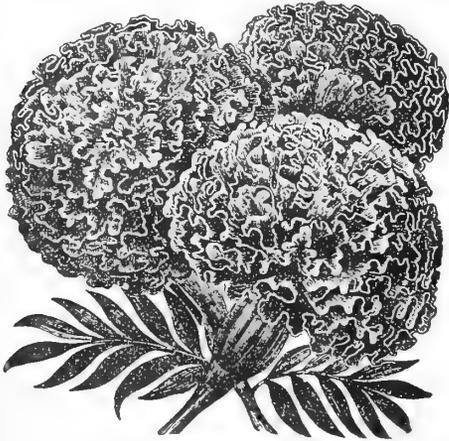
2834. An old-time border plant; produces large heads of brilliant scarlet flowers. Succeeds in any good garden soil. Easy culture, blooms first year from seed. 2 feet H. P. Pkt., 5c

No order is too large or too small to receive our careful attention.

MARIGOLD. (Tagetes.)

Marigolds are among the easy plants to cultivate. They make a splendid show in the garden from June until frost. African varieties grow tall. Their flowers are large and all of one color. French varieties are of dwarf habit and small flowered; some have handsomely striped or gilt-edge petals. H. H. A.

For the old-fashioned Pot Marigold see *Calendula*, page 53.



MARIGOLD EL DORADO.

MIGNONETTE.

EVERY in and outdoor garden should have Mignonette in plenty. By frequent sowings of seed its fragrant flowers can be gathered out of doors until frost, while inside it blooms the year round.

Sow indoors in February or March and thin out or pot off the plants so that they can be bedded out about April 15. Sow again in the fall for winter flowering. In the open air sow in rows in April, and at intervals thereafter for succession. The most fragrant flowers are grown upon poor soil. 1 foot. H. A.

2889. *Allen's Defiance*. A favorite sort for forcing under glass. It produces immense spikes of very large, fragrant flowers. Pkt., 10c.

2892. *Grandiflora, or Large Flowering*. This is well-known Sweet Mignonette. Pkt., 5c.

2899. *Gabriele*. (New.) Sweet, red flowers borne on broad, massive spikes. Nine inches. Pkt., 5c.



SENSITIVE PLANT.

MIMOSA PUDICA. (Sensitive Plant.)

A curious and interesting plant with pinkish-white flowers. Its fern-like leaves are extremely irritable, closing and drooping when touched. H. H. A.

2916. *Mimosa*. Pkt., 5c.

MIMULUS.

These plants succeed best in rather moist ground and shady places. They bloom the first year from seed. Perennial if given house culture, and for outdoors. H. H. A.

2920. *MONKEY FLOWER (M. Tigrinus)*. Large flowers of various shades of yellow, splashed and dotted with crimson and maroon. 1 foot. Pkt., 5c.

2926. *Emperor*. This has been found a good variety to bed out in the garden. Pkt., 5c.

2919. *MUSK PLANT (M. Moschatus)*. The foliage emits a strong, musky perfume. Pkt., 5c.

AFRICAN MARIGOLDS.

2852. *El Dorado*. Extremely large double flowers, varying in shades from primrose yellow to deep orange. 3 feet. Pkt., 5c.

2856. *Lemon Queen*. This forms globular plants about 18 inches high. Double, flowers of bright shade. Pkt., 5c.

2858. *Double African*. Mixed. Pkt., 5c.

FRENCH MARIGOLDS.

2859. *Legion of Honor*. Bright, star-like, single flowers. The broad, flat petals are of a rich golden yellow, each distinctly marked in the center with a band of velvety crimson-brown. Pkt., 5c.

2860. *Dwarf Striped*. Yellow and maroon. Pkt., 5c.

2865. *Dwarf Marigolds*. Mixed. Pkt., 5c.

PACKET DISCOUNT.

We sell six 5c pkts. of seeds for 25c. Thirteen 5c pkts. for 50c. 10c pkts. count as two 5c pkts. We pay postage, thus our seed store is practically at your own door.

MATRICAERIA.

(DOUBLE FEVERFEW.)

Neat plants of about 1 ft. in height. They produce small double white flowers which are excellent for cutting.

2874. *Capensis, fl. pl.* Double white, fine. Pkt., 5c.

2875. *Exima Crispa, fl. pl.* Double white flowers and pretty curled foliage; 8 inches high. Pkt., 5c.

**MAURANDYA.**

A plant of delicate and graceful beauty. It is one which should be better known. Graceful climber for greenhouse, parlor basket or outdoor purposes.

2884. *Maurandia*. Mixed. Pkt., 5c.

MIGNONETTE, MACHEL.

WHETHER for growing in pots or out of doors this fine Mignonette stands preeminent. Neither in the way of handsome foliage nor in the size of flowers can any of the other sorts approach it. In the garden it blooms until frost. Florists grow it all the year round.

The plants are dwarf in habit; the flowers are three times as large as ordinary Mignonette. They have a fragrance most delightful.

2914. *Machel*. Oz., 65c; pkt., 5c.

2905. *Golden Queen*. Large spikes of golden yellow flowers. Pkt., 5c.

2906. *Victoria*. Dark green foliage, large, rich red flowers. Compact. 6 in. Pkt., 5c.

2913. *Mignonette*. Mixture of many sorts. Oz., 20c; pkt., 5c.

MIRABILIS.

(Marvel of Peru, or Four O'clock.)

Their beautiful flowers of various colors make a fine show in the afternoon.

2871. *Tall*. Mixed. Pkt., 5c.

2872. *Dwarf*. Mixed. Pkt., 5c.

MOMORDICA.

(Balsam Apple and Pear.)

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10ft. H. A.

3045. *Balsam Apple*. Pkt., 5c.

3046. *Balsam Pear*. Pkt., 5c.

Moon Flower. (*Ipomœa Grandiflora*.)

2995. **New Cross-Bred or Hybrid.** Of great value for the north, as it is in full bloom one month before the White Seeded. The flowers are 4 to 6 inches across, and very numerous. The foliage is of three distinct types. This is one of the most vigorous of all the summer climbers. Will grow 30 to 40 feet in a single season, and be covered with its large white flowers every evening and cloudy day. Pkt., 10c.

2431. **Heavenly Blue.** Splendid for the conservatory or outdoors. Flowers large, light blue with yellow throat, produced in clusters; foliage large, heart-shaped. Pkt., 10c.

For other rapid-grower climbers, see *Cobea*, *Cypress Vinc.*, *Dolichos*, *Wild Cucumber*, etc.

☞ If you have not done so already, be sure to read pages 2 to 8 as on them are described many grand, new flowers recently introduced.



MUSA ENSETE.
(ABYSSINIAN BANANA.)

If the seed is sown early in hotbeds and plants repotted several times, will attain a height of over 10 feet the first summer. Foliage plant with dark green leaves.

2335. *Musa Ensete*. Pkt. of 5 seeds, 15c.

NICOTIANA.

Ornamental Tobacco.

An annual that is ornamental, either as a pot or garden plant. Produces clusters of long, white, tube-shaped flowers, fragrant towards evening. Of easy culture. A.

3043. *N. affinis*. White. 2 feet. If taken up in the fall, cut back and potted, will bloom all winter. Pkt., 5c.

3044. *N. Sylvestris*. 4 feet. Of stout and branching habit. Long pendant, pure white flowers borne in clusters. Shows to good effect planted in connection with *Holly-Hocks* or *Sunflowers*. Its large and handsome foliage forms an excellent background for geraniums, verbenas or other bright-colored plants. Pkt., 5c.



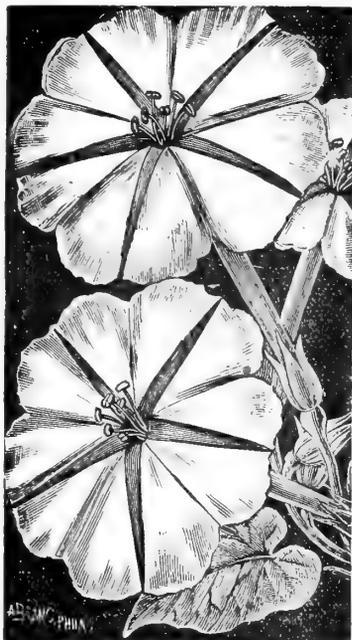
NICOTIANA AFFINIS.

For Common
MORNING GLORY.
See *Convolvulus Major*.

MOURNING BRIDE.
See *Scabiosa*.

MYOSOTIS.
See *Forget-Me-Not*.

MUSK PLANT.
See *Mimulus*.



MOON FLOWER.

NEW JAPANESE MORNING GLORY.

Distinct strain, embracing varied types of foliage, combined with immense size of flowers and a wonderful variety of colorings. The leaves vary greatly in size and form, ranging from deep green to rich golden yellow and many beautifully variegated. The flowers are of large size and show many new and distinct shades of yellow and orange; others are marked with tigered spots and blotches of carmine and deep purple. It is well to soak the seeds 24 hours in advance of planting. Will grow in sun or shade. Sow in May. I. H. A.

2427. *Japanese Morning Glories*. Yellow. Pkt., 10c.

2428. ——— Mixed. Pkt., 5c; oz., 15c.

Kindly Order all Flower Seeds by Number.

NIEREMBERGIA.

Half hardy perennial, slender growing plant, perpetually in flower, flowering the first year if sown early; desirable for greenhouse, basket, vase or bedding; white tinted with lilac.

3053. *N. Gracilis*. Pkt., 5c.

NIGELLA.

(LOVE IN MIST.)

Hardy annuals, about 1 foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one well worthy of a trial. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate appearing foliage.

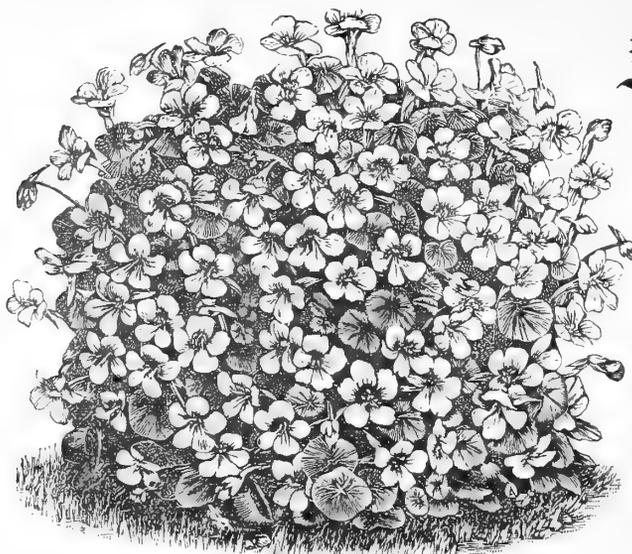
3069. *Nigella Damascena*. Pkt. 5c.

ŒNOTHERA.

Evening Primrose.

Œnotheras are fine, hardy annuals, opening their large showy flowers during the latter part of the day. White and yellow being the predominant colors, afford a brilliant display.

4070. *Evening Primrose*. Pkt., 5c.



DWARF OR TOM THUMB NASTURTIUMS.

Price (except when noted), pkt., 5c; oz., 15c; postpaid.

- | | |
|--|--|
| 3125. Aurora. Chrome yellow. | 3109. King Theodore. Velvety crimson. |
| 3108. Beauty. Scarlet, splashed with canary yellow. | 3124. Lady Bird. Orange yellow; brown blotch. |
| 3178. Chameleon. Beautifully splashed and variegated flowers upon the same plant. Oz., 20c. | 3107. Pearl. Lemon or straw color. |
| 3119. Cloth of Gold. Golden foliage; scarlet flowers. | 3092. Prince Henry. Pale yellow, spotted with scarlet. |
| 3082. Coeruleum Roseum. Bright cherry red; distinct. | 3100. Ruby King. Light ruby red. |
| 3097. Crystal Palace Gem. Sulphur spotted maroon. | 3095. Rose. Tinted Salmon. |
| 3114. Empress of India. Blue-green foliage, flowers crimson. | 3094. Scarlet. A bright and vivid shade. |
| 3087. General Jacqueminot. Brilliant crimson. | 3099. Spotted. Orange, spotted with maroon. |
| 3093. Golden King. Dark foliage, orange yellow flowers. | 3096. Yellow. Bright and clear. |
| 3098. King of Tom Thumb. Dark green foliage, glowing scarlet flowers. | 3126. Dwarf Nasturtiums Mixed. In this will be found varieties of both light and dark colored foliage. The seed is so cheap it should be planted largely. |
- Pkt., 5c; ounce, 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

Liliput or Miniature Nasturtiums.

A charming and distinct new strain that originated from the tall *Tropaeolum Lobbianum*. The plants are of smaller size than the well-known *Tom Thumb Nasturtiums*, while the flowers and round leaves are also smaller. The perfect flowers are borne in clusters on the top of each bush.

- | | |
|--|------------------------------------|
| 3200. Liliput, mixed. Pkt., 5c. | 3202. L. Crimson. Pkt., 5c. |
| 3201. L. Spotted. Pkt., 5c. | 3212. L. Scarlet. Pkt., 5c. |

LOBB'S NASTURTIUMS.

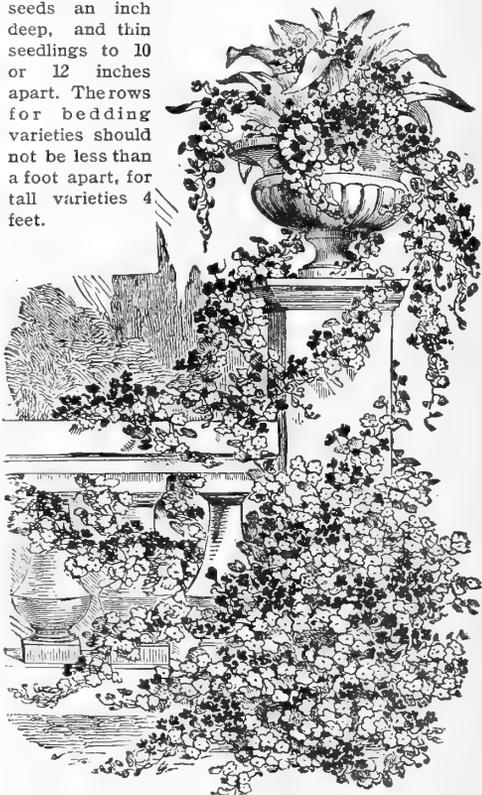
Much more brilliant in coloring than the tall sorts. Splendid for hanging baskets, etc. Price, any kind, oz., 15c; pkt., 5c.

- | | |
|---|---|
| 3185. Cardinal. Dark cardinal red; superb. | 3192. Napoleon III. Golden, striped carmine. |
| 3190. Giant of Battles. Sulphur, spotted with red. | 3197. King of the Blacks. Very dark deep brown. |
| 3191. Lucifer. Richest, velvety deep crimson. | 3198. Spitfire. Brilliant scarlet; very effective. |
3199. **Lobb's Nasturtiums, Mixed.** Pkt., 5c; oz., 15c.

GREEN BAY, WIS.—Plants received O. K. They are as fine, sturdy a lot as ever sent out. Thanks. Wm. B.

Nasturtiums.

THERE are few annuals which produce such a wealth of rich and various colored flowers as Nasturtiums. They are suitable for bedding and for climbers. No other will yield such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The most and largest flowers are produced in thin soils and the hottest weather does not affect the supply. In soils too rich, leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close. Sow the seeds an inch deep, and thin seedlings to 10 or 12 inches apart. The rows for bedding varieties should not be less than a foot apart, for tall varieties 4 feet.



TALL OR CLIMBING NASTURTIUMS.

Price (except when noted). Pkt., 5c; oz., 15c; postpaid.

- | |
|---|
| 3150. Atropurpureum. Crimson, velvety. |
| 3179. Chameleon. Crimson, bronze, yellow. Oz., 20c. |
| 3160. Coccineum. Bright orange scarlet. |
| 3138. Dunnett's Orange. Bright orange, blotched. |
| 3170. Edward Otto. Brownish lilac, velvety. |
| 3155. Heinmanni. Pale brown or chocolate. |
| 3168. Hemisphericum. Yellow and pink. |
| 3128. King Theodore. Dark foliage; crimson. |
| 3167. Pearl. Lemon, nearly white. |
| 3149. Regalinum. Brownish red shaded with violet. |
| 3166. Scheuerianum. Straw color, striped. |
| 3148. Schillingi. Yellow, blotched maroon. |
| 3180. Sunlight. Very large, rich golden-yellow flowers. |
| 3127. Von Molke. Ruby rose. |
| 3169. Tall Nasturtiums, Mixed. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., \$1.00; including most of the above. |
3077. **Hybrids of Md. Gunter.** These are climbing Nasturtiums distinguished by dark colored foliage and for richness and variety of coloring of the flowers, including shades seen in no other class. Pkt., 5c; oz., 10c.

Nasturtiums flower from the start to the finish of the season. Nothing makes a finer show in the garden.

PANSY THE PANSY is undoubtedly one of the best known of garden plants, and is well worthy of extensive cultivation. Unsurpassed in blooming qualities. Pansies thrive best in a cool, moist but well drained soil, enriched with well-rotted barn-yard manure or fine-ground bone. Seeds sown in spring in a partially shaded situation will produce fine plants for autumn flowering. The finest blooms are to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring and summer.

By hybridization and selection skilled specialists have greatly improved the Pansy, so that a new strain known as

Giant Flowered Pansies

has been developed. This, too, is constantly being improved upon by added colors to the extremely large flowers. In size the blooms are marvelous, some being 4 inches in diameter; in beauty their magnificence is unsurpassed; in colorings they are superb and incomparable.

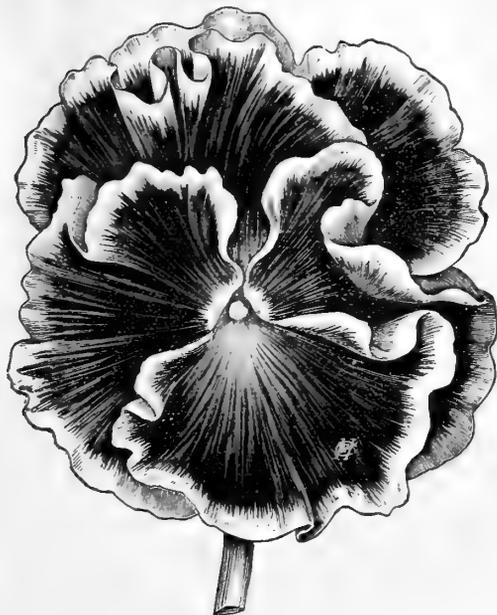
Our Pansy Seed is the very best that money will buy.

PRICE: Any of the following, per pkt., 10c; 3 for 25c.

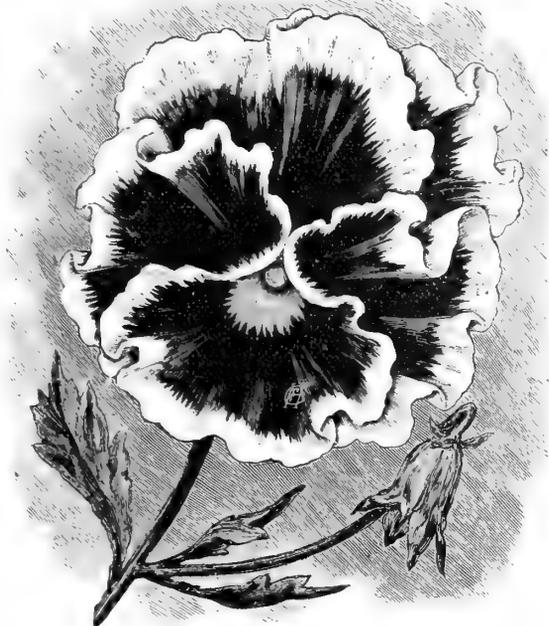
Except otherwise noted.

3246. Giant "Fiery Faces." Rich scarlet, with a gold edge and yellow center.
3248. "Madame Perret." Very large flowers in various shades of red. Of first rank. Pkt., 15c.
3253. Giant Bugnot. Large, round flowers, with shadings of colors not found in other Pansies.
3254. Giant Cassier. Three to five spotted; showy.
3255. Giant Parisian. Flowers beautifully blotched.
3256. Giant Trimardeau. Mixed; marked with three blotches on lower petals. Pkt., 5c.
3257. Giant Auricula Colors. Dark and handsome.
3262. Giant Aurora. Pure white. Finely flowered.
3263. Giant Azure Blue. Beautiful shade.
3264. Giant Coal Black. Jet black.
3270. Giant Purple. Rich and velvety.
3280. Giant Emperor William. Navy blue; purple eye.
3281. Giant Five Spotted. Petals blotched. Novel.
3290. Giant Lord Beaconsfield. Upper petals lavender, lower ones deep purple. A beauty.
3291. Giant SnowHake. Pure white.
3292. Giant Spotted White. Has dark blue blotches.
3293. Giant Striped. Pkt., 5c.
3294. Giant Yellow. Dark center. Yellow edge.
3295. Giant Yellow Gem. Clear yellow.
3296. Giant Violet Blue. A lovely pansy, large.

MR. THOMAS WAGSTAFF, *Lake Forest, Ill.*, writes; "The Giant Pansy Seed I had from you last year gave excellent satisfaction. I want some more."



PANSY "MASTERPIECE."



NEW PANSY PSYCHE

Giant Pansy Mixture.

3250. This includes not only seeds of Giant Pansies, but also those of several new large flowered sorts with highly colored blooms, which are not obtainable otherwise than in this mixture. Pkt., 10c; 3 for 25c.

Various Named Pansies.

3245. COQUETTE de POISSY. Slate or mouse colored. Pkt., 5c.
3247. TROPÆOLUM QUEEN. Dark maroon flowers. Pkt., 10c.
3297. MASTERPIECE. Petals curled and twisted. Very large flowers more or less blotched and in combinations of color. Pkt., 25c.
3298. HERO. Crimped and curled deep blue flowers, the upper petals margined white. Pkt., 25c.
3303. PSYCHE. Fine form and color. A five-blotched flower entirely surrounded with white. Pkt., 25c.
3252. SUPERB MIXTURE of *Trimardeau, Bugnot, Cassier, Odier* and named Pansies. Pkt., 15c.
3305. PRESIDENT CARNOT. A strikingly handsome Pansy. Pure white petals each adorned with a violet blotch. Pkt., 10c.
3371. FAIRY QUEEN. Large skyblue flowers with silvery margin. Always admired. Pkt., 10c.
3373. HORTENSIA. Light and dark rose-colored flowers with prominent blotches on petals. Pkt., 10c.

Florists' Pansy Mixture.

This mixture is designed chiefly for florists, a class who demand the very best in Pansy seed, no matter at what cost. It is composed of the largest, newest and most beautiful

Pansies where-
be found, and
seeds of some
are so expen-
can only be had in this mixture. These Pansies are enormous in size with thick petaled flowers of almost every imaginable color.

GRAND PANSIES
Come from this seed.

ever they can
it includes
varieties which
sive that they

3249. BARNARD'S Florists' Mixture of PANSIES. Pkt., 20c; 3 for 50c; 1-8 oz., \$1.50.

Prize Pansies...

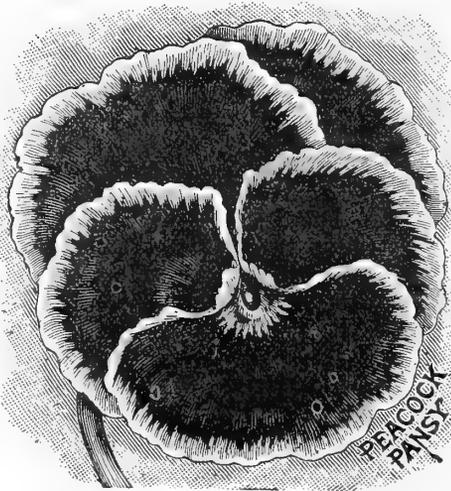
Unequaled by any for bedding out.

The flowers are large and in abundance.

BEST GERMAN.

Any of the following varieties,
5c per pkt.; 6 pkts., 25c.

3306. **Azure Blue.**
3311. **Black.** Very dark.
3312. **Black and Crimson.**
3323. **Bronze Colored.**
3324. **Brown Shades.**
3325. **Candidissima.** White.
3326. **Cardinal.** Scarlet.
3336. **Dark Purple.** Rich.
3337. **Emperor Frederick.** Purple, scarlet and yellow.
3338. **Emperor William.** Blue with purple eye.
3339. **English Face Pansy.** Blue.
3345. **Fire King.** Yellow, upper petals red.
3346. **Golden Gem.** Yellow.
3347. **Gold Margined.**
3348. **Havana Brown.** Glossy.



3349. **Light Blue.**
3350. **Lord Beaconsfield.** Laven- der shade of blue.
3351. **Mahogany Colors.**
3352. **Mottled and Striped.**
3353. **Odier, or Five-Blotched** flowers. Beautiful.
3359. **Peacock.** Maroon, purple and peacock-blue.
3360. **Prince Bismarck.** Bronze, and light-yellow.
3361. **Purple, white edge.**
3362. **Quadricolor,** Steel-blue, edged with red and white.
3363. **Silver Edge.** Dark purple edged white.
3365. **Victoria.** Red, a rich and beautiful shade.

PRIZE PANSIES, mixed.

3251. All the above and others in proper proportion of colors and varieties. Pkt., 5c.

PASSION FLOWER.

3222. A good climber, suitable for out-door cultivation in the South in summer, but chiefly grown in greenhouses. Flower in several colors, composed of rays, afterwards succeeded by fruit. Mixed. Pkt., 5c.

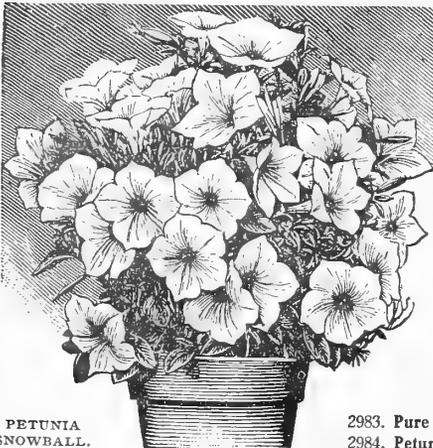
PENSTEMON.

3227. Very ornamental plants that make a splendid effect in borders, etc. They bloom from June until late in the fall. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in May in cool, shady place. 2 feet. H. P. Large flowering, mixed. Pkt., 5c.

PERILLA.

These are handsome foliage plants with dark, ornamental, broad and notched leaves. They grow about 18 inches high, and are used as background to geraniums and other bedding plants. H. H. A. *Start seed under glass.*

3238. **Nankinensis Atro Laciniatis.** Deep mulberry foliage, edges finely cut. 2 feet. Pkt., 5c.



PETUNIA
SNOWBALL.

PETUNIAS...

Single and Double.

Few if any plants are more deservedly popular for bedding purposes, greenhouse or window culture. Their showy flowers both single and double are produced from early summer until late autumn. They bloom in a few weeks from seed, which being small, would better be sown indoors and the seedlings transplanted. T. P.

SINGLE PETUNIAS.

The Petunias under this head produce small flowers in great quantity. These plants are dwarf, 5 to 8 inches high, and are desirable for use in pots, hanging baskets, or grown in a mass in beds.

2960. **Fine Mixed.** Pkt., 5c.
2961. **Dwarf Inimitable.** Cherry red with white star. Pkt., 5c.
2962. **Blotched and Striped.** Pkt., 5c.
2964. **Pure White.** Pkt., 5c.
2965. **Snowball.** The best white for bedding. Pkt., 10c.
2967. **Adonis.** Height and habit like Snowball. Carmine with white throat. Pkt., 10c.

STAR PETUNIAS.

The Most beautiful Petunia in the World.

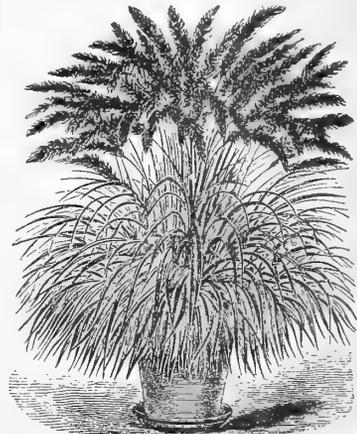
THE blossoms are marked with a star in the center. This star varies in size. Rays of crimson often run through the star and line the edge. In some of the flowers, the crimson markings give it a feathery appearance. The color may be called a purple crimson, but it has a velvety depth and richness which cannot be described. Pkts., 15c and 25c each.

DOUBLE PETUNIAS.

2980. **Lilliput.** Small flowers. 25c.
2981. **Striped and Blotched.** Pkt., 25c.
2982. **Fringed.** Pkt., 35c.
2983. **Pure White.** Pkt., 35c.
2984. **Petunia, Double Mixed.** Pkt., 25c.

Large Flowering Petunias.

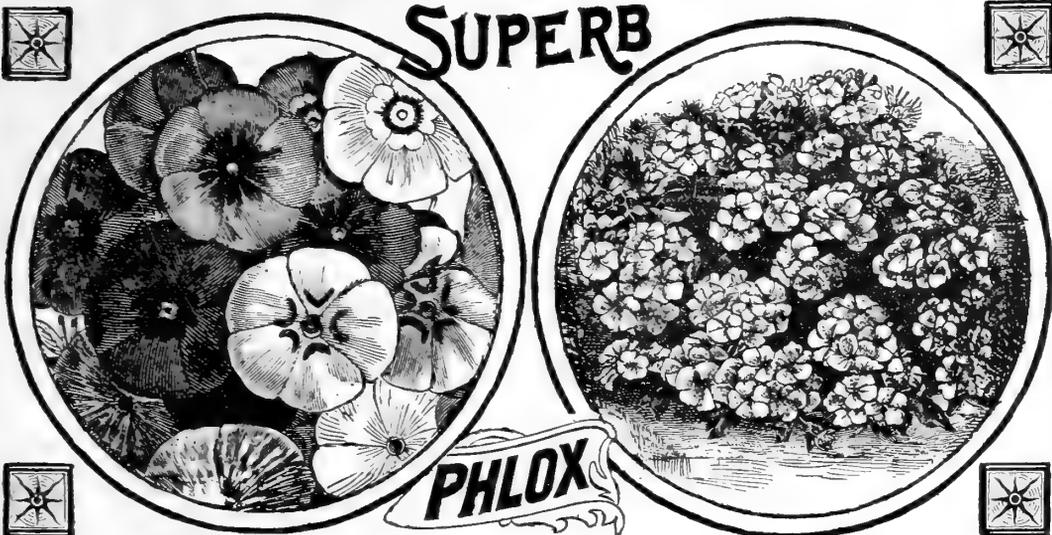
2968. **Giants of California.** Mammoth ruffled flowers marked and veined in many combinations in their deep yellow throats. Pkt., 15c.
2970. **Fringed.** Beautiful, large flowers with fringed edges. Pkt., 15c.
2971. **Superbissima.** Grand velvety flowers of various colors and veined throats. Pkt., 20c.
2973. **Marginata.** Flowers rose color with light-green margin. Pkt., 20c.
2974. **Large flowered, mixed.** Recommended for pot culture. Pkt., 10c.



PURPLE FOUNTAIN GRASS.

(*Pennisetum Ruppellanum.*)

3239. A good plant for edging of flower beds, especially Cannas. Pkt., 10c.



PHLOX DRUMMONDI.

THIS is a favorite with everybody. It thrives in almost any soil, blooming in the greatest profusion from June until late fall. Seed may be sown in the open ground in May, indoors or in hotbed earlier. The seedlings should be set out about a foot apart; if too thick mildew attacks them.

3458. **Phlox Drummondii.** Great variety of colors. Oz., 50c; ¼ oz., 15c; Pkt., 5c.

LARGE FLOWERING PHLOX.

(*P. Drummondii Grandiflora.*)

The large flowering kinds are a decided improvement on the Drummondii, producing flowers twice the size of the latter, with the most brilliant colors.

- | | |
|--------------------------|---------------------------|
| 3419. Coccinea, scarlet. | 3422. Carmine, white eye. |
| 3420. Pure White. | 3423. Dark Red. |
| 3421. Rosy Carmine. | 3424. Mixed. |
| 3420. Chamois Rose. | |

Per pkt., 5c; any 4 for 15c.

DOUBLE PHLOX.

Their flowers last longer than those of the single varieties.

3404. White. 3405. Scarlet. 3406. Mixed. Each, per pkt., 5c.

BARNARD'S PHLOX MIXTURE.

3459. In this we include seeds of all the Phloxes above named except the hardy varieties. One Pkt. will be ample for a large bed. If we had but one flower to plant in the garden it would be Phlox Drummondii in mixture. Large Pkt., 10c.

PINKS.—See *Dianthus*.

POLYANTHUS.—See *Primula*.

PORTULACA.

One of the best hardy annuals to grow in beds, baskets or in rockwork. Thrives in the hottest sun and is one mass of bloom all summer long. The flowers are very showy and of different colors.

3220. **Single, mixed.** Pkt., 5c.

3221. **Double, mixed.** Pkt., 5c.



STAR PHLOX.

PYRETHRUM.

(Also known as *Feverfew*.)

The varieties which are grown for their flowers may be found under the heading of *MATRICARIA* (page 62).

YELLOW LEAVED SORTS.

Bushy, dwarf growing plants, used principally for edgings to fancy beds. H. H. P.

3460. **Aureum.** (*Golden Feather*.) Yellow foliage. Pkt., 5c.

3465. **Golden Gem.** Double white flowers. Pkt., 5c.

3466. **Selaginoides.** (*Fern leaved*.) Very dwarf, golden yellow foliage. This makes a handsome edging to a bed of *Coleus*. Pkt., 5c.

PYRETHRUM.

(*Hybridum Grandiflorum*.)

This might be termed perennial *Cosmos*, for its foliage and flowers, and the colors of them are much like those of that well-known plant. It is a strong grower, producing flowers over 4 inches in diameter of exceptional value for cutting.

3466a. **Roseum Hybridum.** Pkt., 20c.

DWARF PHLOX. (*Nana Compacta*.)

The little bushy plants grow rarely over 8 inches high. Throughout the entire season they are full of flowers. They are recommended for culture in pots, beds or edgings of borders.

- | | |
|-------------------|------------------|
| 3439. Pure White. | 3450. Rose. |
| 3444. Red. | 3451. Blood Red. |
| 3445. Blush Rose. | 3452. Mixed. |

Per pkt., 10c; 3 pkts. for 25c.

STAR-SHAPED PHLOX.

3434. Most attractive sort. The colors are about the same as in other Phloxes. Mixed. Pkt., 10c.

HARDY PHLOX.



HARDY PERENNIAL PHLOX.

3457. One of the best hardy plants for beds or borders. Grows about 2 feet high and bears large heads of beautiful flowers. They flourish in any soil but succeed best in deep, rich moist ground. Pkt., 10c.

SINGLE.**Miss Sherwood**

2995. Satiny white flowers shaded rose. Has beautiful foliage. A splendid variety to grow for cut flowers. Pkt., 10c.

Shirley Poppy.

The handsome flowers are single and semi-double, beautiful in color, from pure white to deep crimson, shiny and glossy like silk. The blooms, cut while young, will keep in water two or three days.

2994. **Shirley.** Pkt., 5c.

2996. **Single Poppies,** all colors in mixture. Pkt., 5c.

PRIMULA**(Chinese Primrose)**

Charming, profuse blooming plants for winter and spring decoration in the house. Sow seed in March, cover lightly and keep moist. Transplant when the second leaf appears, and continue shifting the plants as they grow. *A cool place suits them best.* The foliage is very pretty, and the flowers are borne in clusters all through the winter and spring. 9 inches. G. P.

**PRIMULA OBCONICA.****Ever-Blooming Primrose.**

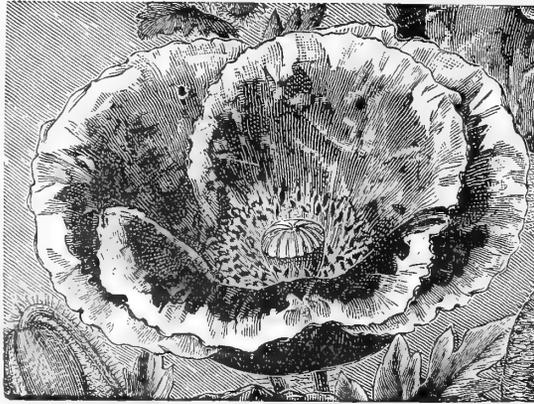
3495. A distinct variety with rounded leaves of light-green color. The delicate little flowers are creamy white, tinted with lilac and borne on long slender stems well above the foliage; at times are one mass of flowers. Pkt., 10c.

3502. **Obconica Grandiflora.** Bears larger and more flowers than the old type. Pkt., 10c.

3505. **Obconica Fimbriata,** Large flowers, as handsomely fringed as those of the Chinese Primrose. Pkt., 10c.

POPPIES. (Papaver.)

These old-time-favorite flowers have been greatly improved in late years. During the blooming period few, if any, will give such a wealth of color. Annual sorts should be sown where to bloom, as they do not bear transplanting. 2 feet. A. and P.



SHIRLEY POPPY.

2993. **Tulip Poppy.** Single dazzling scarlet flowers, whose outer petals form a tulip-like cup. Pkt., 5c.

SINGLE FRINGED PRIMULAS.

Any of following, Pkt., 25c.

3476. **Alba.** Pure white.

3473. **Alba Magnifica.** Very large flowers, white, with yellow eye.

3476a. **Chiswick Red.** Bright crimson.

3477a. **Coccinea.** Scarlet, yellow eye.

3482a. **Cœrulea,** Blue; fine shade.

3475a. **Kermesina Splendens.** Carmine, large, yellow eye.

3474a. **Peachblossom.** Fine.

3477. **Red.** 3482. **Rose.**

3483. **Mixed Single Fringed.**

3474. **Fern Leaved,** mixed.

DOUBLE FRINGED PRIMULAS.

Any of following, Pkt., 25c.

3484. **White.** 3489a. **Rose.**

3489. **Red.** 3494. **Mixed.**

HARDY PRIMROSES.

These are perennials, flowering in early spring following sowing the seed. In our climate they require protection in winter—a cold frame placed over them being preferable. They like a cool place, alongside a north wall where there is moisture. H. H. P.

3471. **Auricula.** (*P. Auricula.*)

Richly colored, fragrant flowers. Pkt., 10c.

3475. **English Primrose.** (*P.*

Vulgaris.) Yellow. Pkt., 10c.

3496. **English Cowslip.** (*P.*

Veris.) Yellow. Pkt., 10c.

3497. **Japanese Primrose.**

(*P. Japonica.*) Flowers 1

inch across, of shades of

maroon, lilac, pink, white,

etc., on long stems. Mixed

colors. Pkt., 10c.

DOUBLE.

2992. **White Swan.** Of bushy habit; beautiful fringed, pure white flowers. Pkt., 5c.

3001. **Peony Flowered.**

Broad petaled, large Peony-like flowers. Pkt., 5c.

3012. **Snowdrift.** Pure white. Pkt., 5c.

3017. **Carnation Flowered.** Showy, fringed flowers; mixed colors. Pkt., 5c.

3018. **Cardinal.** Deep green foliage; scarlet flowers. Pkt., 5c.

3019. **Double Poppies,** mixed. Pkt., 5c.

HARDY PERENNIAL**POPPIES.**

These grow tall, 2 to 4 feet. They are showy and appear to good effect planted among shrubbery.

3026. **Iceland.** White and yellow mixed colors. Pkt., 10c.

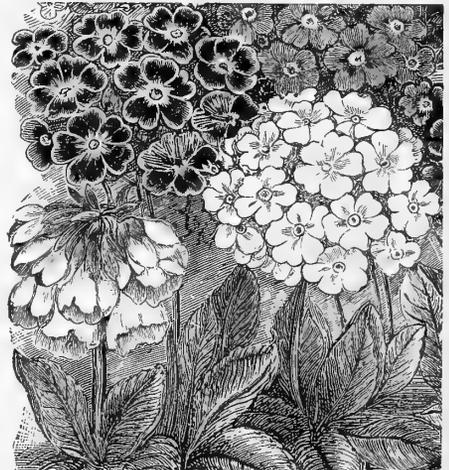
3028. **Orientele.** Bright crimson with purple spots. Pkt., 10c.

PRIMULA FORBESI.**The "Baby Primrose."**

An excellent pot plant for the house succeeding best in a cool room. The tiny, rose-colored flowers are borne on stems 10 to 12 inches high, well above the foliage. The young plant will produce larger flowers if the early formed ones are picked off.

3499. **Primula Forbesi.** Pkt., 15c.

BE SURE you have not omitted anything you need before calling your order complete.

**POLYANTHUS.—Primula Elatior.**

Early spring flowering plants suitable either for outdoor or pot culture. Blooms profusely; colors crimson, yellow, maroon, etc., prettily laced and veined.

3498. **Polyanthus,** extra choice, mixed. Pkt., 10c.

RICINUS.

(Castor Oil Plant.)

Rapid growing plants with palm-like foliage and showy fruits. Used with decorative effect planted singly on the lawn or in the center of a Canna or Caladium bed. 6 to 15 feet. H. H. A.

- 3504. **Borboniensis.** 15 feet. Pkt., 5c.
- 3506. **Sanguineus.** 10 feet. Dark leaves, and clusters of red fruit. Pkt., 5c.
- 3507. **Zanzibarensis.** 15 feet. Leaves vary in color from light-green to purplish red. A new and distinct race. Pkt., 5c.
- 3508. **Gibsonii.** 6 feet. Dark leaves. Pkt., 5c.
- 3509. **Ricinus, finest mixed.** Pkt., 5c.

RUDBECKIA. (Cone-Flower.)

Grows about two feet high, forming a many-branched dense bush, and producing its long-stemmed flowers in greatest abundance. Disk brown; florets yellow with brown spots at the base. 3 feet.

- 3471. **Rudbeckia Bicolor.** Pkt., 10c.

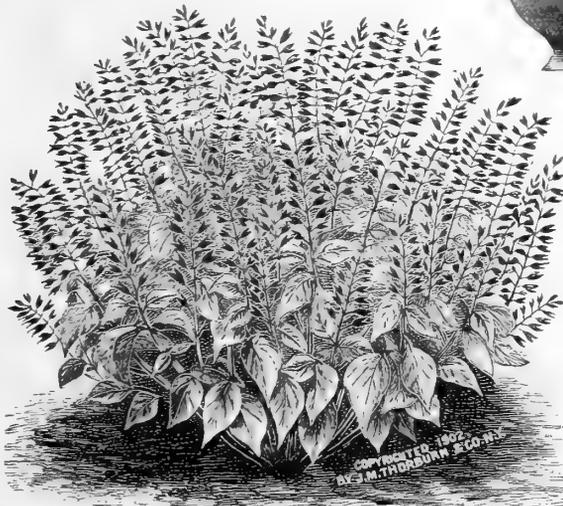
SALVIA.

Splendid bedding plant. It stands heat and drought remarkably well. Blooms first year from seed, sending out a mass of fiery red flowers. 1½ to 2 feet. H. H. P.

- 3510. **Argentea,** silver foliage, white flowers. Pkt., 5c.
- 3511. **Coccinea Hybrida,** dark crimson, dwarf. Pkt., 5c.
- 3512. **Patens,** deep blue. Pkt., 15c.
- 3513. **Splendens,** scarlet. Pkt., 5c.
- 3518. **Clara Bedman,** early; scarlet, grows erect. Pkt., 10c.
- 3519. **"Drooping Spikes,"** bright red flowers. Pkt., 10c.
- 3520. **"Silver Spot,"** rich green leaves, spotted with yellow; flowers scarlet. Pkt., 15c.
- 3521. **"Lord Fauntleroy,"** its foliage is dark green, with very erect, bright scarlet flowers. 25c.

SCARLET RUNNER, see Bean, page 53.

If our seeds please others, they will certainly please you. Give us a small trial order, and we think we can make a permanent customer of you.



SALPIGLOSSIS . . .

Very free blooming making a grand show for months. Stands sun well. Flowers are penciled and shaded on variously colored grounds. 1½ feet. H. A.

- 3539. **Salpiglossis.** Pkt., 5c.

WE INVITE COMPARISONS with other catalogues. Our stock is varied and complete, and our PRICES are RIGHT.



SALPIGLOSSIS.



RUDBECKIA BICOLOR SUPERBA.

SCABIOSA. (MOURNING BRIDE.)

Very fine border plants, producing in profusion flowers in great variety of colors. H. H. A.

- 3522. **Tall, Mixed.** 5c.
- 3523. **Dwarf.** 5c.
- 3524. **Yellow.** A distinct new color, obtained after many years of careful selection. 5c.
- 3525. **Snowball.** Snow white. 5c.

HARDY PERENNIAL.

- 3526. **Caucasica.** Bright, four inches across. 5c.

SCHIZANTHUS. (Butterfly Flower.)

3527. Flowers as elegant as Orchids, purple spotted yellow, orange and crimson. Most profuse bloomer. A gem for garden or greenhouse culture. Mixed. H. A. Pkt., 5c.

SEDUM. (Stonecrop.)

Suitable for rock work, stone walls, edgings and dry situations; their glaucous foliage and bright flowers invariably attract attention. H. P. 3525. **Sedum,** mixed, 10c.

SENSITIVE PLANT, see Mimosa.

SMILAX. (Myrsiphyllum Asparagoides)

A beautiful climber for the arch of a plant stand, wreathing it in a bower of the loveliest green. The finest foliage for bouquets, cut flower work, etc. Flowers white. Soak seeds in warm water before sowing. Pkt., 5c.

SNAPDRAGON, see Antirrhinum.

SOLANUM, Capsicastrum.

Ornamental foliage and fruit-bearing plants which grow freely in any good, rich soil.

- 2790. **(Jerusalem Cherry).** Small, pepper-shaped scarlet fruit. 1 foot. G. P. Pkt., 10c.

STEVIA, Serrata.

3542. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming; largely used for cutting. Pkt., 5c.

SUNFLOWER, see Helianthus.

The real value of Seeds can only be known after months of labor. Buy your seeds of a reliable seed house with a reputation back of it.

STOCKS. (GILLY FLOWER OR LEVKOYEN.)

These are among the best and most popular of the garden favorites. In brilliancy of color and general effect they are unsurpassed. They are equally fine for bedding, borders, massing or for pot culture. They are very thirsty plants and must be watered in dry weather. They produce blossoms in all shades of crimson, rose, lilac and white, and yield a delicious odor. Some of the varieties are desirable for winter flowers, and are used for this purpose by florists.

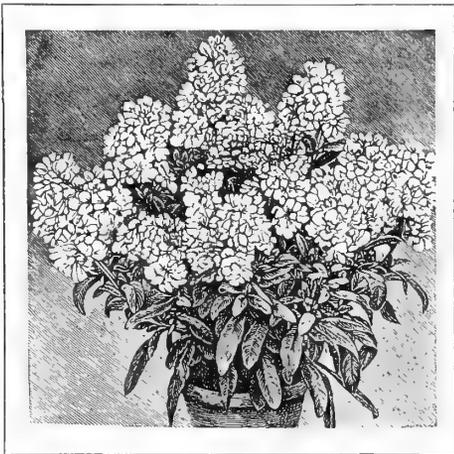
Large-Flowering Dwarf Ten-Week Stock.

These are favorites both for culture in pots and growing in large beds out of doors. *German grown seed.*

3554. Purple.....10c.	Pkt.	3558. Light Blue.....10c.	Pkt.
3555. Blood Red.....10c.		3559. Crimson.....10c.	
3556. Pure White.....10c.		3560. Canary.....10c.	
3557. Rose.....10c.		3562. Mixed.....10c.	
3563. <i>Imported collection of 6 distinct colors. 30c.</i>			

Dwarf-Forcing, Ten-Week Stock, Snowflake.

- 3566. A Wall-flower leaved variety, the earliest of the Whites; excellent for forcing. Produces large spikes of snow-white flowers.....Pkt., 10c.
- 3561. **Wall-flower, leaved, mixed**.....Pkt., 5c.



PERPETUAL OR BRANCHING STOCK.

- 3566. **Princess Alice.** (*Cut and Come Again.*) A perpetual bloomer, of tall branching habit, loaded with white flowers. Ours is the extra giant strain. Pkt. 10c.
- 3570. **Brompton.** Bushy plants that bloom in winter or early spring. H. H. B. 2 feet. Double mixed. Pkt., 10c.
- 3571. **Intermediate.** Sow in July. Bloom in fall or early spring. Double mixed. Pkt., 10c.
- 3572. **Parisian.** Of dwarf habit, splendid for pots. Much larger flowers than the German, mixed. Pkt., 10c.



DOUBLE SWEET PEAS.

By painstaking fertilization and selection double flowered sweet peas have been produced, and they are large and very beautiful. About half the seedlings will produce double and semi-double flowers, which, from their size and form are decidedly attractive.

3677. **Double Sweet Peas, mixed.** Pkt., 5c; per ounce., 10c; 1/4 lb., 25c; postpaid.

SWEET PEAS.

Sweet Peas do well everywhere. They bloom with great freedom, their cut flowers lasting a long time after cutting.

NOTE.—The varieties marked with a (*) are the best of their color and type in the opinion of leading specialists.

Seeds should be sown as early as possible, in drill 6 inches deep. At the time of sowing cover only with 1 inch of soil and fill in the drill as the young plants grow, taking care not to cover the top of the plants. A deep, rich soil and a sunny situation is best.

AN OUNCE of Sweet Peas contains from 300 to 400 seeds, enough to sow a single row 25 feet long. Our packets of all are liberal, enough to sow a row 6 feet in length.

	<i>All packets 3c each; 4 for 10c.</i>	oz.	1/4 lb.
3678. *America. White, striped with scarlet.....	\$.05	\$.15	
3679. Appleblossom. Bright rose and pink.....	.05	.15	
3680. Aurora. Salmon on white.....	.05	.15	
3683. Black Knight. Dark Maroon.....	.10	.25	
3684. *Blanche Burpee. White, very large.....	.05	.15	

EXTRA EARLY
BLANCHE FERRY.



	oz.	1/4 lb.
3685. *Blanche Ferry. Pink and white.....	\$.05	\$.15
3686. *Blanche Ferry. <i>Extra early</i> , 10 days earlier.....	.05	.15
3687. Blushing Beauty. Delicate, soft pink.....	.05	.15
3689. Boreatton. Dark maroon.....	.05	.15
3693. Captain of the Blues. Purple and blue.....	.05	.15
3694. Captivation. Claret color.....	.05	.15
3695. Celestial. Lavender blue.....	.05	.15
3696. *Chancellor. Rich rose orange.....	.05	.15
3697. *Colonist. Lilac overlaid with rose.....	.05	.15
3698. Columbia. Red, white and blue.....	.10	.25
3702. *Coquette. Primrose yellow.....	.05	.15
3703. *Countess Cadogan. Violet and blue.....	.05	.15
3704. Countess of Powis. Orange and purple.....	.05	.15
3705. *Countess of Radnor. Pale mauve.....	.05	.15
3706. Crown Jewel. Yellow veined with rose.....	.05	.15

CALUMET CO., WIS. I am pleased to say that your seeds continue to give satisfaction, being true to name and of good vitality. MISS FRONIE DEMSKIE.

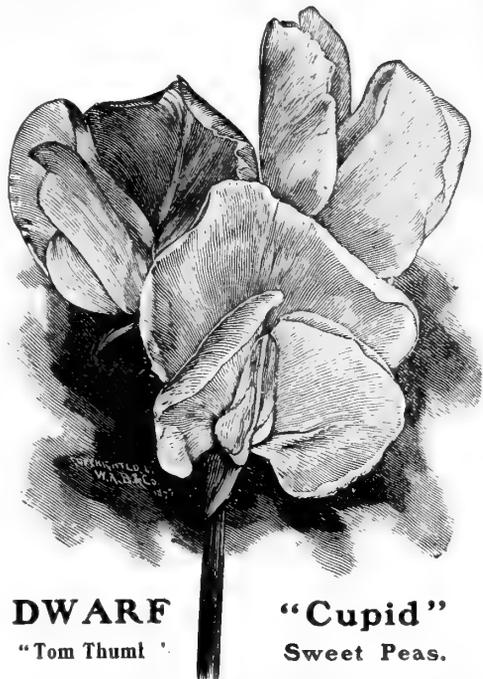


RAMONA.

SWEET PEAS.—Continued.

All Packets 3c each; 4 for 10c. oz. ¼ lb.

3711. Daybreak. Scarlet on white ground.....	\$.05	\$.15
3712. Dorothy Tennant. Rosy mauve. Fine....	.05	.15
3713. Duke of Clarence. Claret color.....	.05	.15
3718. *Duke of Westminster. Violet purple.....	.05	.15
3723. *Earliest of All. Pink and white.....	.05	.15
3724. *Emily Eckford. Light mauve.....	.05	.15
3729. Emily Henderson. White. Early.....	.05	.15
3730. Emily Lynch. Rose pink.....	.05	.15
3740. Fairy Queen. White shaded rose.....	.05	.15
3741. Firefly. Deep fiery scarlet.....	.05	.15
3742. Gaiety. Striped crimson on white.....	.05	.15
3743. Golden Gate. Lavender and pink.....	.05	.15
3744. *Golden Gleam. Primrose yellow.....	.05	.15
3745. Gorgeous. Orange Scarlet.....	.05	.15
3750. Gray Friar. Purple on white ground.....	.05	.15
3752. *Her Majesty. Clear deep rose.....	.05	.15
3753. Hon. F. Bouverie. Fine coral pink.....	.10	.25
3754. Juanita. White striped lavender.....	.05	.15
3767. *Katherine Tracy. A lovely pink.....	.05	.15
3768. Lady Nina Balfour. Delicate mauve.....	.05	.15
3774. *Lady Hamilton. Lavender.....	.10	.25
3773. Lady Mary Currie. Orange pink.....	.05	.15
3772. Lady Penzance. Orange Rose. Fine.....	.05	.15
3780. Little Dorrit. Pink, wings white.....	.05	.15
3785. *Lottie Eckford. White, edged with blue....	.05	.15
3790. *Lottie Hutchins. Pink on cream.....	.05	.15
3795. Lovely. A splendid pink.....	.05	.15
3800. *Maid of Honor. Blue on white.....	.05	.15
3801. Mars. Fiery crimson.....	.05	.15
3802. Meteor. Orange pink.....	.05	.15
3807. Modesty. Delicate pink.....	.05	.15
3819. Monarch. Crimson and blue.....	.05	.10
3824. Mrs. Joseph Chamberlain. Striped.....	.05	.15
3829. *Mrs. Dugdale. Crimson and rose.....	.05	.15
3830. *Mrs. Eckford. Primrose yellow.....	.05	.15
3831. Mrs. Gladstone. Soft, rosy pink.....	.05	.15
3832. Mrs. Sankey. A good white.....	.05	.15
3837. *Navy Blue. Deep violet blue.....	.05	.15
3838. *New Countess. Light Lavender.....	.05	.15
3839. Orange Prince. Orange pink. Lovely....	.05	.15
3840. *Othello. Chocolate red.....	.05	.15
3841. *Ovid. Rose pink.....	.05	.15
3842. *Pink Friar. Carmine rose.....	.05	.15
3843. *Prima Donna. Soft rose pink.....	.05	.15
3844. *Princess of Wales. Stripe mauve on white	.05	.15
3845. Ramona. White, splashed with pink.....	.05	.15
3846. Red Riding Hood. An odd-shaped flower.	.10	.25
3846a. *Royal Rose. Deep rosy pink.....	.05	.15
3847. *Sadie Burpee. The new large white.....	.10	.25
3848. *Salopian. Fine scarlet.....	.05	.15
3849. Sensation- White with faint blush.....	.05	.15
3850. Shahzada. Dark maroon.....	.05	.15
3860. *Stanley. Rich purple.....	.05	.15
3861. Stella Morse. Primrose flushed with pink.	.05	.15
3862. Triumph. Orange pink.....	.05	.15
3863. *Venus. Salmon buff. Shaded pink.....	.05	.15
3864. Vesuvius. Violet and rose.....	.05	.15



DWARF

"Tom Thum"

"Cupid"

Sweet Peas.

The "Cupid" or "Tom Thumb" varieties of Sweet Peas are not climbers. As the plants grow only about *five to six inches high* and *spread out* so as to form a mat of dark-green foliage and pretty flowers, the "Cupids" are desirable not only for pot culture, but for making edgings and borders to beds. From June until late summer the little plants are constantly laden with fragrant flowers.

3868. **Cupid Beauty.** Delicate rose, lighter at edge.
 3869. **Cupid Boreatton.** Crimson-purple; large dark flowers.
 3708. **WHITE.** 3709. **PINK.** 3710. **MIXED.**

Any of the "Cupids." Pkt., 3c; oz., 10c; ½ lb., 25c; postpaid.

SWEET PEAS IN MIXTURE.



3866. **Mixture of Light Colors.** White, striped, light-yellow, etc., blended by ourselves. A popular mixture. Pkt., 3c; oz., 5c; ¼ lb., 15c; lb., 50c, postpaid.

3867. **All Colors Mixed.** While not equal to our "Royal Mixture," repeated trials have shown this grade will produce flowers from pure white to darkest maroon. Pkt., 3c; oz., 5c; ¼ lb., 10c; lb., 35c; postpaid.

"Royal Mixture of Sweet Peas."

Pkt., 3c; oz., 7c; 1-4 lb., 20c; lb., 60c.

There are pure whites and white striped with other colors, fiery scarlets, blues, steel and purple, pink, all shades; orange, yellow, so many we cannot specify. *There is nothing cheap about this superb mixture except the price, and that is reasonable.* In no other manner can so wide a range of beautiful flowers be found in Sweet Peas.

**SEE
WHAT IS
IN IT.**

STOKESIA CYANEA.

(Cornflower Aster.)

2400. This a desirable plant for cut flowers. Easily raised from seed and will bloom first year if sown early. Flowers light lavender blue; in bloom from July until frost. H. P. Pkt., 15c.

SWEET SULTAN

(Centaurea Imperialis.)

2396. The plants are covered with large, fragrant flowers which are of various colors and desirable for cutting. Pkt., 5c.

SWEET WILLIAM.

(DIANTHUS BARBATUS.)

For bedding, bordering or cutting, this favorite is invaluable. Of vigorous growth and extremely easy culture, bearing fragrant masses of rich flowers. 1½ feet. H. B.

3540. **Giant-Flowered Double.**

Very large flowers, in great variety of colors, on stiff stems. Pkt., 10c.

3541. **Single, mixed.** Produces large trusses of single flowers. Pkt., 5c.

THUNBERGIA.

3581. Trailing plants for hanging baskets and vases. Flowers trumpet-shaped, buff, white, orange, etc., mixed. Pkt., 5c.

TORENIA.

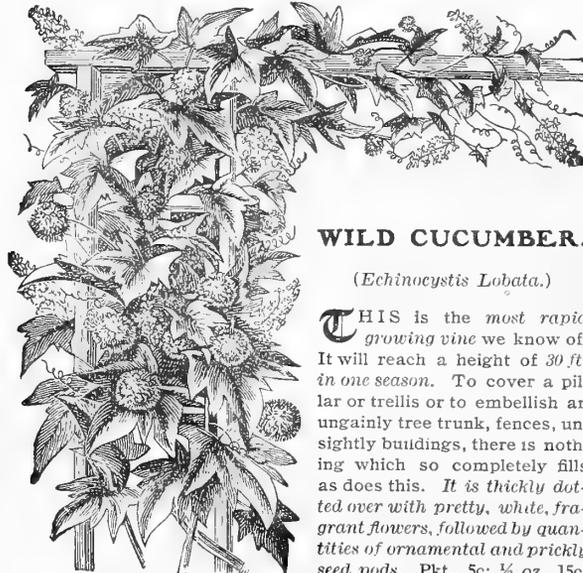
Torenia are beautiful plants for vases, baskets and pots. They bloom continuously during the summer in the open ground and in winter in greenhouses.

3583. **Fournieri.** Porcelain blue. 10c.

3582. **Fournieri compacta.** 10c.

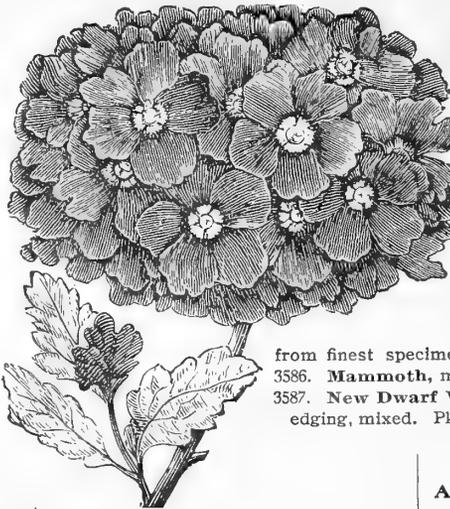
3584. **White Wings.** White with flush of rose in the throat. 10c.

TROPAEOLUM. See Lobb's Nasturtiums. Page 64.

**WILD CUCUMBER.**

(Echinocystis Lobata.)

THIS is the most rapid growing vine we know of. It will reach a height of 30 ft. in one season. To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills as does this. It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods. Pkt., 5c; ½ oz., 15c.

**Lemon Verbena.**

3585. This plant is esteemed for its sweet scented foliage. Comes easily and true from seed. Pkt., 7c.

**VIOLET. (Viola Odorata.)**

They thrive best in a shady place, in moist, rich soil. Double Violets do not form seeds. H. H. P.

3614. **Single Blue.** Pkt., 5c.

3615. **Single White.** Pkt., 5c.

VERBENA.

One of the most popular of bedding plants, easily grown from seed, producing stronger, more vigorous and better plants than from cuttings. Start seed in the early spring, in the house or under glass, and transplant where they are to bloom, after three or four inches of growth have been made. 1 foot. H. H. P.

MAMMOTH VERBENA

An improved strain, producing immense flowers. Our strain is saved from finest specimens only.

3586. **Mammoth, mixed.** Pkt., 10c.

3587. **New Dwarf Verbena.** The best for bedding and edging, mixed. Pkt., 10c.

Verbena Hybrida.

Any of the following. Pkt., 5c.

3589. **Pure White.** 3592. **Purple.**

3590. **Vivid Scarlet.** 3593. **Blue Shades.**

3591. **Striped.** 3594. **Choice Mixed.**

3595. **Mayflower.** Has the habit of and pink flowers of the trailing Arbutus. Delightfully fragrant. Pkt., 10c.

3596. **Auricula Flowered.** Large, bright colored flowers, each with white eye. Much admired. Pkt., 10c.

VINCA. (Madagascar Periwinkle.)

Handsome bushy plants. Sown in March, transplanted in May, will bloom first summer in garden. Taken up in fall and potted will flower during winter. 1½ feet. T. P.

3645. **Rosea.** Fine shade of rose. Pkt., 5c.

3646. **Rosea Alba.** White and pink. 5c.

3647. **Rosea Alba Pura.** Pure white. 5c.

3648. **Mixed.** Above varieties. Pkt., 5c.

WALLFLOWER.

The large, massive spikes of the Wallflower are very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant, and combine many shades of color, the orange, purple and chocolate predominating.

3626. **Double, mixed.** Pkt., 5c. 3627. **Single, mixed.** Pkt., 5c.

ZINNIAS (Youth and Old Age.)

General favorites. Thrive in any soil. Plants form bushes two to three feet in height. The flowers of various colors, form solid heads like Dahlias. H. H. A.

3653. **Giant Flowered.** The best of all Zinnias. Flowers brilliant, double, five to six inches across, mixed. Pkt., 5c.

LARGE FLOWERING DWARF DOUBLE ZINNIAS.

3654. **White.** Pkt., 5c. 3665. **Canary.** Pkt., 5c.

3659. **Scarlet.** Pkt., 5c. 3666. **Crimson.** Pkt., 5c.

3660. **Orange.** Pkt., 5c. 3667. **Mixed.** Pkt., 5c.

3670. **Crested and Curled.** Colors orange, purple, pink, rose. Flowers with twisted and curled petals. Pkt., 10c.

3669. **Zebra.** Flowers striped, spotted, and blotched. Nearly every flower is different in markings. Pkt., 5c.

3672. **Double Mexican.** A dwarf-growing class much admired for its extra fine flowers, mixed. Pkt., 5c.

3673. **Tall Double, mixed.** Many colors. Pkt., 5c.

3674. **Dwarf Double, mixed.** Splendid variety. Pkt., 5c.

Bulbs That Flower in Summer.

CALADIUM.

STATELY plants of easy growth for planting on lawns singly or in beds with Cannas or Ricinus. The enormous leaves, three feet long, make a splendid tropical effect. Lift bulbs in the fall, and store over winter in dry sand in a warm cellar.



C. ESCULENTUM.
(Elephant's Ear.)

Will grow 4 to 5 feet high in good soil kept well supplied with water. Set the bulbs out to latter part of May or early in June.

First Size Bulbs. Each, 15c; not prepaid, 10c.

Larger Bulbs. Each, 30c; not prepaid, 15c.

Mammoth Bulbs. Each, 50c; not prepaid, 30c.

BULBS are of easiest culture, inexpensive, and require little care. They are almost certain to grow. Put them in the ground out of doors in April and May. Some will bloom in June, and all during the same year as planted. Most of these bulbs (Lilies are an exception) must be taken up before severe frost and stored away in a frost-proof cellar, to be replanted the following spring.

PRICES GIVEN BELOW INCLUDE PREPAYMENT BY MAIL or EXPRESS, except otherwise noted.



AMARYLLIS, JOHNSONI.

AMARYLLIS.

SUITABLE for greenhouse, room or outdoor culture. After flowering, let the bulbs rest in their pots for several weeks, meanwhile giving no water.

Atamasco. Beautiful rosy white flowers, produced the entire summer. Each, 10c; per doz., 75c.

Formosissima. Can be grown in water same as Chinese Narcissus. Blooms early. Deep crimson. Each, 10c; 3 for 25c.

Johnsonii. Large, trumpet-shaped, scarlet flower with broad, white stripe. Each, 35c; 3 for \$1.00.

SPOTTED LEAF CALLA.

ITS foliage and flower resemble the well-known White Calla. The deep green leaves, however, are dotted with many white spots; the flower is white with a dark throat. An excellent pot plant and looks well bedded out in summer. Each, 10c; 3 for 25c.



CINNAMON VINE ROOTS.

CINNAMON VINE.

ARAPID climber, which shows to good effect trained around a window or upon a trellis. Its foliage is glossy green, heart shaped. During summer the white, cinnamon-scented flowers are produced freely. Each, 5c; 6 for 25c.

Dicentra, Bleeding Heart,
See p. 84.

Gloxinias.

Beautiful house plants of dwarf habit and easy culture. Flowers are trumpet-shaped, with beautiful markings, shaded violet, rose, blue or crimson. One bulb planted in a 5-inch pot will make a magnificent show, and if planted at intervals will give a continuous bloom for a long period. Each, 15c; 3 for 40c.

HYACINTHUS CANDICANS.

Luxuriant, free-growing, summer-flowering plant, with flower stems 3 to 4 feet high, bearing from 20 to 30 pure white bell-shaped flowers. Can be used with good effect planted among Gladiolus. Each, 6c; 3 for 15c; doz., 55c.

TUBEROUS BEGONIAS. All Selected Bulbs.

The Tuberos-Rooted Begonias are among the handsomest of our summer-flowering bulbs. They are not grown to the extent they should be; they require no more care than geraniums; have a greater range of color, and will bloom continuously throughout the summer. From the time the first flowers expand until frost puts a stop to further blooming, these plants are literally covered with flowers of the richest colors, embracing every shade of pure white, rose, pink, scarlet, yellow and orange.

SINGLE SORTS.

Scarlet, }
Crimson, } Each, 8c;
Pink, } 4 for 25c.
White, }
Yellow, }

Single, all colors mixed.
Each, 6c; doz., 70c.

DOUBLE SORTS.

Scarlet, }
Pink, } Each, 15c;
White, } 3 for 40c.
Yellow, }

Double, all colors mixed.
Each, 12c; 3 for 30c.



TUBEROUS BEGONIA.

...CANNAS...

There are few people now-a-days who have not seen a Canna plant. In almost every private garden, in all public parks and in most of the large cemeteries Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower, and these shoots are being constantly produced throughout the blooming season. From a very extensive collection we offer the following as a carefully selected assortment.

GIANT ORCHID-FLOWERED CANNAS.

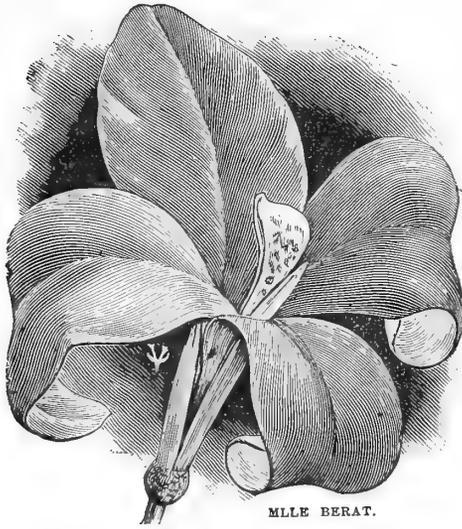
Mrs. Kate Gray. 6 feet. Bright green foliage, broad and massive. Flowers so large and wide as to appear double. Orange scarlet, overlaid with gold. One of the most popular Cannas and one of superior merit.

Austria. 6 feet. Large flower and foliage. Flowers pure canary yellow, spotted with red spots.

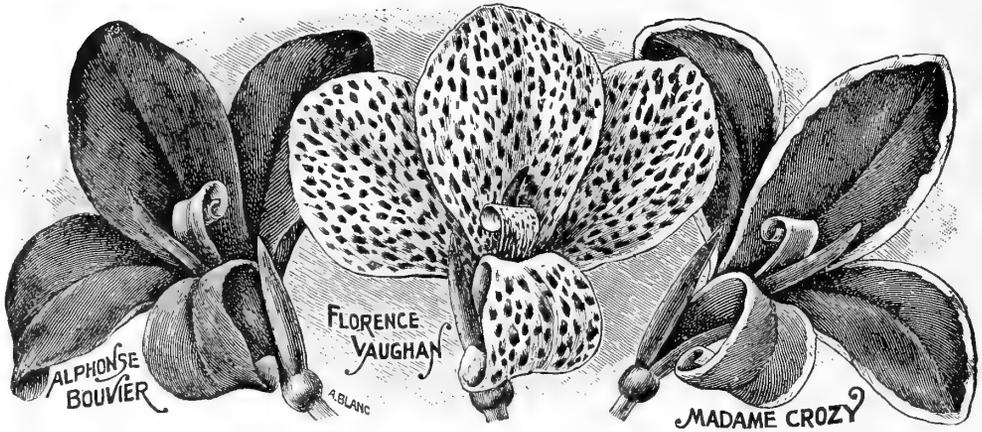
Burbank. 5 feet. Individual flowers 7 inches across. Canary yellow with small crimson spots.

Italia. 5 feet. Flowers red bordered with golden yellow.

Any of the above, each 15c, 3 for 40c, postpaid.



Mlle. BERAT.



NEW AND STANDARD CANNAS.

Alphonse Bouvier. 6 feet. Foliage green, crimson flowers.
Alsace. 4 feet. Green leaves; lemon changing to white.
Chas. Henderson. 3 feet. Fine green foliage; crimson.
Chicago. 5 feet. Bold and upright; red and velvety.
Compte de Bouchard. Lemon, spotted red. Good.
Duke of Marlboro. 4 feet. Dark maroon, nearly black.
Flamingo. 3 feet. Glowing crimson. Appropriately named.
Florence Vaughan. 4 feet. Yellow, thickly spotted with red. A famous Canna, thoroughly tried and hard to beat.
J. D. Cabos. 4 feet. Leaves green, shaded with purple. Flowers orange.
Luray. 4½ feet. Pink of a pleasing shade. An excellent bloomer.
Mlle. Borat. 5 feet. Soft rosy carmine, approaching to pink. Serviceable.
Paul Marquand. 4 feet. Extra large flowers of a deep salmon color.
President McKinley. 4 feet. Flowers crimson with scarlet shading. One of the best. Distinct and handsome.
Sam Trelease. 3 feet. Almost pure scarlet.
Souv. d' Antoine Crozy. 3 feet. Crimson bordered with gold.
Queen Charlotte. 3 feet. Scarlet bordered with gold. Large

Dormant Roots, each 15c., 3 for 40c., doz. 90c.

All tubers are of size to bloom this year.

MIXED LARGE FLOWERING CANNAS.

These are tubers mostly from named sorts which in handling and sorting have lost their identity. If you will state colors you desire and whether dwarf or tall sets are preferred, we will make selection. These mixed Cannas never fail to make a beautiful show. Notice low price:

Each 8c, 3 for 20c., 6 for 35c., postpaid.

Red and Bronze-Leaved Cannas.

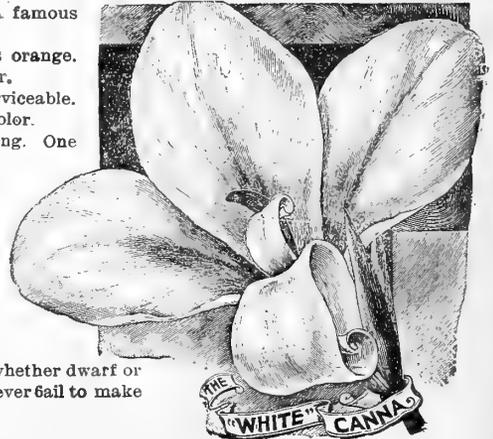
Black Beauty. 5 feet. Leaves bronze-purple shaded with black. Edges crimped.

Egandale. 4 feet. Bronze foliage. Color, currant red.

President Carnot. Foliage maroon; flowers scarlet

Shenandoah. Red foliage; flowers pink.

Each 15c.; 3 for 40c.; doz. \$1.50, postpaid.



SOME exceptionally choice and entirely New Dahlias are offered in Novelties, page 8.

DAHLIAS

We do not send tubers by mail until all danger by frost is passed, usually early in April.

NOTE. We furnish plants from pots when stock of roots is exhausted. This applies more especially to new and choice varieties.

IN recent years owing to the introduction of many beautiful new varieties originating in this country, the Dahlia is a great favorite everywhere. Nor is this difficult to understand considering that the Dahlia is easy to grow, commences to bloom in July and August and are thereafter a mass of bloom until cut down for frost. The cut-flowers are much in demand for decorative purposes, meeting with ready sale almost everywhere put on the market.

PRICE (unless noted) each, 15c; 4 for 50c; doz., \$1.50, postpaid. Larger roots if ordered by express.

The list offered below has been selected from our large collection. Not one of them but will please any one.

Show and Fancy.

Show Dahlias have large, well-formed flowers, showing solid colors, but may have shaded tips. Fancy varieties are those that are striped or otherwise variegated.

- A. D. Livoni.** Quilled petals, beautiful clear pink in color. An early and profuse bloomer.
- American Flag.** Pure white, striped crimson.
- Black Knight.** Purple maroon; large flower; fine shape.
- Blumenfalter.** Rosy Lavender.
- Claude Perfection.** Maroon. An excellent variety.
- Floral Park Jewel.** Many colored; spotted and variegated.
- Glowing Coal.** Bright Red.
- John Forbes.** Fawn color; striped with maroon. First-class.
- Miss Cannell.** White, tipped crimson purple.
- Miss Dodd.** Very large, pure yellow.
- Miss Thatcher.** Sulphur yellow; very large and double. Flowers borne on long stalks.
- Modesty.** Creamy center, tipped with white and pink.
- Mrs. Gladstone.** Delicate shell-pink, early bloomer.
- Mrs. Langtry.** An exceptionally fine Dahlia. Color, canary yellow, tipped with scarlet. A well-formed flower. Desirable sort.
- Jur Tim.** Buff shaded with peach.
- Perfection.** Maroon.
- Prince Bismarck.** Deep purple; large and full.
- Princess Bonnie.** Fine white.
- Queen Victoria.** Yellow. A quilled variety like A. D. Livoni.
- Silver Tip.** Canary yellow, tipped white, profuse bloomer.
- Snowdrift.** A well-formed pure white flower upon long stems.
- Storm King.** Snow white; long stems. Fill to the center.
- White Dove.** Pure white; fine.



TYPES OF DAHLIAS OF ALL THE CLASSES.

Decorative and Cactus Dahlias.

Decorative Dahlias have broad, flat petals. Cactus varieties have long, narrow petals, more or less pointed, giving a star-like form to the flower. Both classes are splendid for cutting.

- Clifford W. Bruton.** The best yellow; of immense size and perfect form.
- Grand Duke Alexis.** Grand large flowers; white, shaded with lavender. Has quilled petals. Each, 25c.

POMPON DAHLIAS.

These are of dwarf growth. Planted in beds they make a splendid effect. Very free blooming with miniature flowers. We can supply red, white and orange.

THE DAHLIA.

We can supply a beautifully illustrated book, giving many ideas on successful cultivation. Price, 30c postpaid. The pictures alone are worth the money.

- Henry Patrick.** A superb pure white, large size. Fine for cut flowers.
- Lyndhurst.** Bright scarlet on long stems.
- Matchless.** Maroon shaded black, pointed petals, one of our best. Each, 25c.
- Mrs. Geo. Reed.** White edged with lake.
- Nymphaea.** Soft pink with light center.
- Prof. Baldwin.** Orange.
- Wm. Agnew.** The finest red ever introduced. Always a mass of bloom.
- Zulu.** Rightly named; almost black.

SINGLE MIXED DAHLIAS.

They are much used for cut flowers on account of their beauty and long stems. Our stock embraces all colors and markings. Each 10c; 6 for 50c, postpaid.

BEST MIXED
Double Dahlias.

2
2
£
£
£

THESE roots are all from very choice sorts but in handling names have been lost and are now offered under colors and shadings. Price for mixed Dahlias, each, 10c; 6 for 50c, postpaid.

£
£
£
£
£

Field Grown
Dahlia Roots.

In Colors.

GLADIOLI

THEY DESERVE A PLACE IN EVERY GARDEN.

At single and dozen rate we send postage or express paid. 100 rate not prepaid. 25 bulbs will be supplied at the 100 rate.

THE CARE which skilled cultivators have given to the Gladiolus in recent years has resulted in the production of several distinct strains, possessing strong habit of growth, stout constitution, and, in addition, flowers of increased size that comprise all imaginable colors, shades and variegations. These desirable qualifications, coupled with the ease with which Gladioli are grown, the certainty of their blooming, the prolonged duration of the flowers, so admirably suitable for decorative purposes, place the Gladiolus in the front rank of summer-flowering bulbs.

CULTURAL DIRECTIONS.

Plant at any time from April to the last of May in any garden soil, preferably in that which is sandy and fully exposed to the sun. By successive planting every two or three weeks flowers can be had until late in the autumn. Set the bulbs two to three inches deep, according to size. By cutting the spikes when two or three of the lower flowers are open, and placing them in water, the entire spike will open up even to the tip end.

GROFF'S HYBRIDS.

The most popular strain of Gladioli. They have perfectly formed spikes with large and wonderfully beautiful flowers, in shades and colors not seen in any other strain. We offer the true stock in mixture. First size, doz. 60c; 100, \$3.00. Second size, doz. 25c; 100, \$1.00.

GLADIOLI CHILDSI.

A mammoth race. They are so erect as to stand four to five feet high, with spikes of bloom sometimes two feet in length. Flowers are much varied in their markings, every one a beauty. They are much earlier in flowering than the older Gladioli and ought to be represented in every garden. Mixed, doz. 50c; 100, \$2.50.

LEMOINE'S SEEDLINGS,

Or Butterfly Gladiolus.

On account of the peculiar blotches on the lower part of their flowers, the name Butterfly Gladiolus has been given to this class. Our mixture is made up of the best varieties. First size, doz. 40c; 100, \$2.00. Second Size, doz. 25c; 100, \$1.00.

TRACY MIXTURE.

We have given the designation to a combination of Gladioli bulbs selected from the mixtures of all prominent specialists throughout the country. It includes the *very best* varieties in every color and shade, and represents the highest types of perfection yet attained in Gladioli. This mixture cannot fail to please the most critical. Doz. 75c; 100, \$4.00.

SUPERFINE MIXED.

This is a splendid strain, which is offered at a reduced price. While not so good as our Tracy Mixture, it will give some grand flowers. At the price we name, you can afford to plant with liberal hand. Doz. 35c; 100, \$1.75.

FINE MIXED.

It is well named. It includes bulbs of all colors, which in handling have become indistinguishable. They as well as all bulbs offered are blooming size—that is, they will produce flowers the same season as planted. Doz. 25c; 100, \$1.25.



Mixture of Gladioli Under Colors.

Young, Vigorous Bulbs, Sure to Produce Fine Flowers.

Single bulbs and dozen lots mailed free.	Each	Doz.	100
Red and Scarlet, bright colors.....	\$0 03	\$0 25	\$1 50
Pink and Salmon, delicate shades.....	05	25	2 00
Yellow Shades, the best mixed.....	05	45	2 50
Light and White, all first-class.....	05	45	2 50
Striped and Variegated, extra fine....	04	50	3 00
All Colors Mixed, fine variety.....	03	25	1 50

SELECTED NAMED GLADIOLI.

••1900•• A seedling of exceptional merit. Tall spikes of crimson flowers, with blotch on lower petals. Each 8c; doz. 75c; 100, \$5.00.

AUGUSTA. White with blue anthers. Each 8c; 3 for 20c; doz. 75c; 100, \$5.00.

BENCHLEYENSIS. Fiery scarlet. Each 5c; doz. 40c.

CERES. White, spotted rose. Each 5c; doz. 40c.

EUGENE SCRIBE. Flowers large and wide, perfect tender rose, blazed carmine, red. Each 5c; doz. 40c.

JOHN BULL. White tinged with yellow. Each 5c; doz. 40c.

MAY. White, striped crimson. Each 8c; 3 for 20c; doz. 75c.

NAPOLÉON III. Scarlet, white lines in petals. An attractive, showy and desirable variety. Each 6c; doz. 40c.

HARDY LILIES.

Lilies thrive best in a dry, rich soil. They should be planted deep, 4 to 6 inches, as they form two sets of roots, one below, the other above the bulb. All Lilies offered on this page are hardy enough to stand the winter outdoors. It is well, however, to protect them with a covering or litter of straw.

Prices include postage unless otherwise stated.

Auratum. (Golden Japan Lily.) Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size*, each, 15c; 3 for 40c; *doz.*, \$1.50. *Not prepaid*, *Large bulbs*, each, 10c; *doz.*, \$1.00.

Longiflorum. A variety bearing in clusters beautiful snow-white trumpet-shaped flowers of rare fragrance; fine for either outdoor or house culture. *First size*, each, 15c; 3 for 40c; *doz.*, \$1.50. *Not prepaid*, *Large size*, each, 10c; *doz.*, \$1.50.

Tigrinum. (Single Tiger Lily.) Flowers, orange red, spotted black. Each, 10c; 3 for 25c; *doz.*, \$1.00. *Not prepaid*, each, 5c; *doz.*, 50c.

Tigrinum fl. pl. (Double Tiger Lily.) Very large, double flowers. Each, 10c; 3 for 25c; *doz.*, \$1.00. *Not prepaid*, each, 8c; *doz.*, 80c.

SPECIOSUM.—(Hardy Japan Lilies.)

Of easiest culture. Once planted outdoors, there to stay.

Album. Large, fragrant, pure white. *First size*, each, 20c; 3 for 55c; *doz.*, \$2.00. *Not prepaid*, *Large bulbs*, each, 15c; *doz.*, \$1.50.

Rubrum. White, heavily spotted with rich crimson, fragrant. *First size*, each, 15c; *doz.*, \$1.50. *Not prepaid*, *Large bulbs*, each, 10c; *doz.*, \$1.00.



AURATUM LILY.

MILLA BIFLORA. (Mexican Star.)

A group of them in bloom is very attractive. Flowers, star-shaped, waxy white, of great substance. They last for days when placed in water; fragrance delightful. Height, 12 to 18 in.

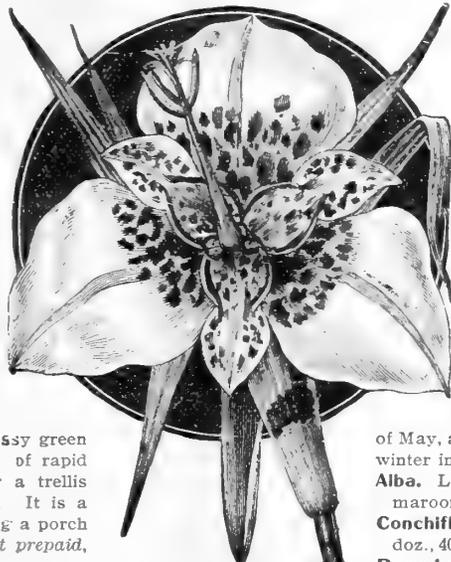
LILY OF THE VALLEY.

A well-known and universally admired spring flowering plant; flowers bell-shaped, freely produced and fragrant. To grow in open ground, select a partly shaded rather moist situation. A few clumps will start a bed that with little care affords an abundance of flowers and pleasure. **Clumps**, extra strong. Each, 35c. *Not prepaid*, each, 25c; *doz.*, \$2.50.

NOTE.—We do not send BULBS of any kind by mail until all danger of their freezing is passed, usually about April first.

MADEIRA VINE.

Tuberous-rooted climber, with glossy green leaves and fragrant white flowers; of rapid growth. A few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each, 5c; *doz.*, 50c. *Not prepaid*, *doz.*, 30c.



TIGRIDIA.

OXALIS. SUMMER BLOOMING.

The little bulbs are not much larger than peas, but quickly throw up a mass of pretty foliage and flowers; fine for beds, borders and edging; also for pots, baskets and vases. For edging, plant two or three inches apart.

Dieppi. Clover like foliage, white flowers. *Doz.*, 10c; 100, 50c.

Lasandria. Fine, rose pink, beautiful cut foliage. This is the taller variety of the two. *Doz.*, 10c; 100, 50c.

PEONIES, see *Plants*, page 87.

TIGRIDA. (Shell Flower.)

Curious and beautiful shell-like flowers, about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Alba. Large ivory-white flowers, spotted with maroon, rosy lake in center; each, 5c; *doz.*, 40c.

Conchiflora. Yellow and orange; each, 5c; *doz.*, 40c.

Pavonia. Red, crimson spot; each, 5c; *doz.*, 40c.

TUBEROSES.

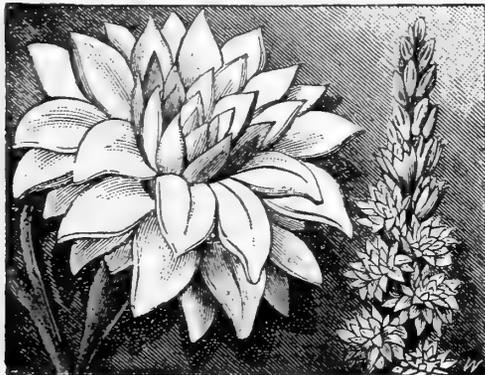
One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground during the early days of May.

Dwarf Pearl. Stem about 2½ feet. Selected large bulbs. Each, 5c; *doz.*, 50c; 100, *not prepaid*, \$2.00.

Tall Italian. Grows 4 feet high. Large bulbs. Each, 5c; *doz.*, 50c; 100, *not prepaid*, \$2.00.

BULBS FOR WINTER BLOOMING.

We usually carry in stock during September, October and November, a complete assortment of Hyacinths, Tulips, Narcissus, Jonquils, Chinese Lilies, Crocus, Easter Lilies, etc. If you wish any of these, write us in the autumn and we will take pleasure in quoting you prices.



Plant Department

SOME YEARS AGO in our desire to make our service to customers as convenient and complete as possible, we devoted a little space in our catalogue to a few plants which could be sent by mail. By such means many customers at points far removed from greenhouses have been enabled to secure plants for house and home adornment as well as to make trials of newer small fruits. Each year there is a greater demand. It will be noticed several additions have been made to the plants we can ship by mail during the spring months.

Postage Paid. At prices given we mail all plants (except such as from their size or otherwise are unmailable, and so stated) and pre-pay the postage; thus you get them at your post office—often at your door by Rural Free Delivery.

All plants sent out are as large as can be safely packed and sent by mail. *Safe arrival, in good condition, guaranteed.* Roses and house plants are from deep, 2½-inch pots. Shrubs and climbing plants are one year old; they are pruned ready for planting. Large plants—*by express*—are offered on page 80.

PLEASE TAKE NOTICE. If your order comes to us early in the season and both seeds and plants are included you will receive the seeds immediately, but plants will not be mailed until they can travel reasonably safe from danger of freezing, which is usually in the early days of April. Please be patient; your orders will be attended to in time.

How to Order. We will consider it a favor to have orders for plants written separate from the seed order.

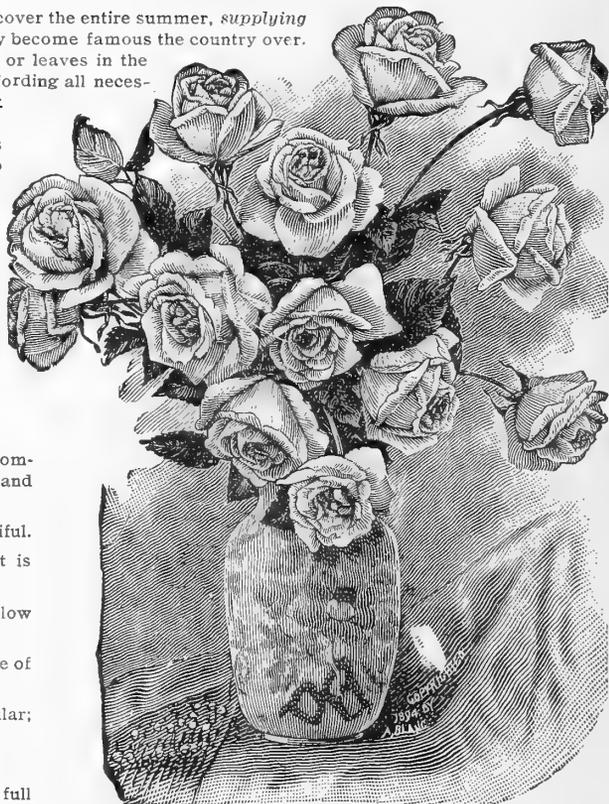
If you put seeds on one line, then a plant, then seeds again, our clerks are liable to make errors.

Everblooming Bedding Roses

This selection of favorite varieties has been made to cover the entire summer, supplying roses every month. The kinds are such as have deservedly become famous the country over. They are almost entirely hardy, a slight covering of straw or leaves in the fall to prevent thawing and freezing through the winter affording all necessary protection. Price, each, 10c; three for 28c; six for 50c.

Please don't ask us to fill plant orders for a less amount than 25c. It is difficult to pack a single plant to carry safely.

- ***Agrippina.** Rich crimson, good bedder.
- ***Bon Silene.** Carmine-rose, shaded with salmon.
- Bridesmaid.** Large fragrant flower, clear pink.
- ***Burbank.** An exceptionally fine new and lovely rose; color very deep pink. This variety will stand severe weather.
- ***Caroline Marniesse.** White, slightly tinged with pink. Almost always in bloom.
- Catharine Mermet.** Clear, shining pink.
- ***Champion of the World.** A grand, hardy, everblooming rose. Large, double, rich, pink flowers. Vigorous and fragrant.
- ***Etoile De Lyon.** Deep yellow, double and very beautiful.
- ***Hermosa.** Bright rose, medium or small; hardy. It is continually in bloom; not full; very popular.
- Kaiserin Augusta Victoria.** Pure white with yellow center. A rose well named for royalty.
- ***Mme. Hoste.** Yellow white, often canary yellow; base of petals often amber colored.
- Mme. Caroline Testout.** Flower large and globular; satiny rose, center brighter; very fragrant.
- Marion Dingen.** Deep carmine; very fine bedder.
- Marie Guillot.** White, faintly tinged yellow. Large, full and of splendid form.
- ***Mrs. Degraw.** Glossy pink; fine bedder.
- Meteor.** The brightest velvety crimson.
- Papa Gontier.** Very bright rose or red; large.
- ***Princess Bonnie.** Crimson, petals streaked white.
- ***Safrano.** Saffron and apricot; yellow, large.
- ***Souv. De La Malmaison.** Flesh, shaded fawn.



BRIDESMAID.

Souv. De President Carnot. Long bud; flesh color, shaded with rosy white at the edge of the petals.

Sunset. A rich golden amber or old gold.

The Bride. Perfect globular; pointed buds of purest white.

NOTE: Varieties marked () on this page are included in the Door Yard Collection offered on opposite page.*

Collections of Everblooming Bedding Roses

Everblooming Red Collection. The four best dark red everblooming Roses for 35c. **Marion Dinee**, **Meteor**, **Papa Gontier** and **Princess Bonnie**.

Everblooming Pink Collection. The four best pink everblooming Roses for 35c. **Champion of the World**, **Hermosa**, **Mrs. DeGraw** and **Souvenir de Malmaison**. All remarkably free-flowering and hardy.

Everblooming Yellow Collection. Three hardiest yellow everblooming Roses for 28c. **Etoile de Lyon**, **Madame Hoste** and **Safrano**. These three endure the winter in central Illinois with protection.

Three "Souper" Roses for 28c

Will be a source of constant pleasure—bloom continuously, in clusters.

If you want Roses that will give you absolute satisfaction from the day they are planted, we would urge that you plant these famous varieties. They bloom the first and every year from early May until severe freezing weather.

***Clothilde Souper.** The best bedding or pot culture Rose known. Color a French white, deepening to a rosy-blush.

Pink Souper. This is a beautiful bright pink rose; handsomely formed.

***Yellow Souper.** Color a beautiful light yellow to white at edge of petals; plant, dwarf, bushy and very free blooming.

When an entire collection is not desired, selection of any of the varieties offered on this page may be made at the following rates: 10c each; three for 28c; six for 50c.

The "La France" Collection

4 Roses for 35c

Everybody loves the delightful fragrance and beauty of La France.

Pink La France. Silvery pink; very popular.

***Red La France** (Duchess of Albany). Rich rose pink.

***White La France.** Large, elegant, pearl-white flowers, flushed with rose.

Striped La France. Shows clear stripes of both lovely pink and white tints. An elegant new rose; strong grower.

The "Door Yard" Everblooming Collection

COMPRISING the varieties marked (*) on this and preceding page.

Four Crimson, four Pink, two Rose-colored, three White, four Yellow. The seventeen for \$1.50 postpaid.



DOROTHY PERKINS ROSE

In Ordering, Give Simply the Name of the Collection.



The Purity Collection

Four Gems among White Roses

The four best white everblooming Roses for 35c. **Caroline Marniesse**, **Kaiserin Augusta Victoria**, **Marie Guillot**, and **Souvenir de President Carnot**.

For descriptive notes on these four roses, see previous page.

Climbing Roses

THE following varieties are highly valued for training over arbors, trellises and verandas; also as screens for unsightly objects, such as old buildings, fences, walls, etc. They grow ten to twelve feet high, and are entirely hardy.

New Rose, "Dorothy Perkins"

Of upright habit of growth, often making a growth of ten to fifteen feet in one season. The plant is *absolutely* hardy. Its fragrant, pink-colored flowers are borne in large clusters.

Baltimore Belle. Pale blush, rapid grower.

Prairie Queen. Deep rose changing to pink.

Seven Sisters. Rose changing to white; in clusters.

Price, each, 15c; one each of the four, 50c postpaid.

Five Royal Rambler Roses

One of each, all different, for 50c postpaid.

Crimson Rambler. The most popular rose in cultivation. An exceedingly vigorous, rapid grower, making shoots ten to twenty feet in height in one season.

Helene. A seedling from **Crimson Rambler**. Color, soft violet rose. The buds are carmine, finely mossed.

Philadelphia. It blooms in grand clusters. Flowers two to two and one-half inches across. Color pure, deep, rich crimson.

Yellow Rambler. Golden yellow flowers.

White Rambler. Pure, pearly white.

Choice Indoor and Bedding Plants

OUT of confusing lists of hundreds of varieties we have selected a few that thoroughly represent the best in the world of their class, and offer fine, strong plants at a uniformly reasonable price. Please don't ask us to fill plant orders for a less amount than 25 cents. Three or four plants carry better than single ones.

ORNAMENTAL ASPARAGUS

Two of the most popular plants of the day are described below.

Sprengeri (Emerald Feather).

Especially useful as a pot plant for suspended baskets; fronds are frequently four feet long, of a rich shade of green; excellent for house culture as it withstands dry atmosphere and will succeed in almost any position. It is a strong, vigorous plant, very easily grown, requires but little care and keeps on growing, fresh and green, year after year. **Each 15 cts.; three for 40 cts., postpaid.**



Plumosus Nanus (Lace Fern).

May be trained to grow over windows or small trellises in the house, and above all is almost indispensable as a green in floral decorations. Thousands of yards of its spray are used in making up floral designs. **Each, 15 cts.; three for 40 cts.**

COLEUS

(Foliage Plants)

They are beautiful decorative plants which show to advantage when grown in pots, and still more so as an edging to a Canna bed. It is difficult to describe their beautiful colors. The following endure hot sun.

Golden Bedder. Deep golden yellow.

Firebrand. Dark crimson, shaded scarlet; has strong foliage.

Verschafeltii. Velvety crimson. One of the best for bedding.

John Good. Leaves light green, spotted yellow; almost pure yellow in summer.

Each, 12 cts.; three for 30 cts.

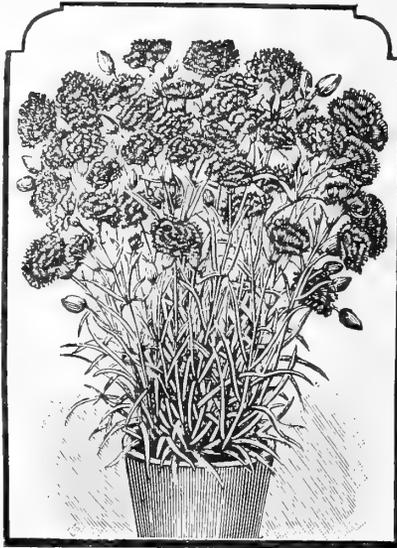
CARNATIONS

Next to Roses Carnations are esteemed for their fragrance. The Carnations we offer are young plants from 2-inch pots. Planted out in spring, they should begin blooming about July or earlier. If potted in the fall, they should bloom profusely during the winter months.

Each, 10 cts.; six for 50 cts.

Daybreak. Salmon pink; a pleasing shade that is greatly admired.

Eldorado. Light, clear yellow; the edge of petals tipped with pink.



Flora Hill. The largest white variety to date.

G. H. Crane. Fine large red flowers on stiff stems.

Genesee. Pure white on long stems; good cut flowers.

Gold Nugget. Clear, deep yellow, slightly marked with red.

Jubilee. An intense scarlet; large flowers on slender but stiff stems.

THE PREMIER QUARTET OF CARNATIONS

for 33c postpaid.

G. H. Crane, the best red.

Marquis, the best pink.

Flora Hill, the best white.

Gold Nugget, the best yellow.

Mrs. Frances Joost. Pale salmon-pink; delicious fragrance.

MRS. THOMAS W. LAWSON
The famous \$30,000 Carnation

This famous Carnation was bought for \$30,000.00, the highest price ever paid for a flower. The stems are the longest and strongest; the color, purest rose-pink.

The Marquis. Flower fragrant and very large. Color is a soft, rich pink.

CYPERUS

(Umbrella Plant)

A splendid aquatic plant, throwing up stems two or three feet high, surmounted at the top with a whorl of leaves. An excellent plant for growing in water or damp places. **Each, 12 cts.; three for 30 cts., postpaid.**



FUCHSIAS

These are favorite plants for the window, garden and greenhouse. Set out in the open ground, in summer, in a cool, partially shaded place, they bloom until early fall.

Marked (*) are single flowered.

Gigantea. Tube and sepals carmine; corolla light majenta.

***Little Beauty.** Red tube and sepals; corolla purple. Begins to bloom when quite small and is remarkably profuse.

Mrs. E. G. Hill. The best with double white corolla.

Phenomenal. Sepals are carmine; corolla purple.

***Rosalind.** Tube and sepals white; corolla pink.

Storm King. Sepals scarlet; corolla same with some white.

Any of the above, each, 12 cts.; three for 30 cts.

HELIOTROPES

Heliotropes make fine house plants, being both handsome and fragrant.

Dr. Livingston. Dark blue.

White Lady. Pure white,

Each 12 cts.; the two for 20 cts.

☛ Above are pot plants. They are sent by mail postpaid at prices here named. ☛

Bedding Geraniums

The Cream of the Newest

The improvement in the Geranium, both in the size of the individual flower and the truss, is wonderful when compared with the flower of a dozen years ago. Many of the single flowers are larger than a silver dollar, and the trusses are immense balls. In color, we find them from the purest white to delicate rose, brilliant scarlet, richest crimson and many other shades.

Price, 12c each; any three for 30c postpaid.

Select List of the Choicest Varieties

DOUBLE

Satisfactory Both for Bedding and Pot Culture.

- Beaute Poitevine.** Best salmon Geranium for bedding purposes; most profuse bloomer. Very large trusses and flowers.
- Counness of Harcourt.** Pure snow white; a grand bedder; florets large and beautifully formed. Everybody admires this one.
- Jean Viaud.** The flowers are simply immense in size, borne on long, strong, stiff stems. The color is a clear rosy pink with distinct white eye. Habit dwarf, compact; a vigorous grower.
- S. A. Nutt.** The best Crimson bedding Geranium. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. As a pot plant is not excelled.

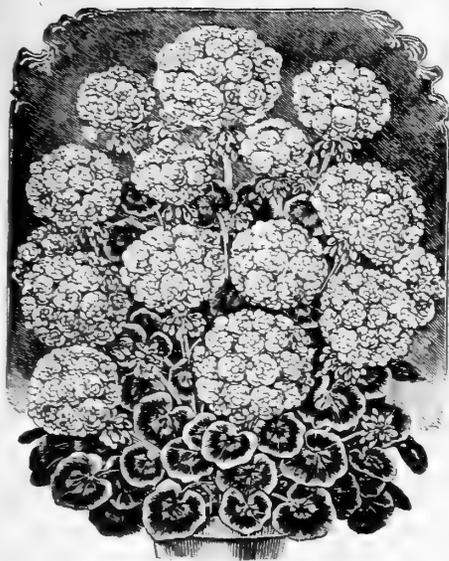
SINGLE

- Clyde.** A pure scarlet, of soft, even shade.
- Granville.** One of the finest of single pinks for bedding or pot culture.

- L'Aube.** Enormous sized trusses, large round florets, pure snow-white. A grand geranium.
- Mrs. E. G. Hill.** Color is a pleasing shade of salmon.

SPECIAL OFFER

One plant each of the Four Double and Four Single varieties of Geraniums for 75 cts., postpaid.



Chrysanthemums

- Geo. W. Childs.** Velvety crimson.
- Glory of the Pacific.** Beautiful shade of pink, large and full; foliage perfect.
- Golden Wedding.** A grand golden-yellow variety; flowers very large and globular.
- Ivory.** Pure white; unexcelled for pot culture; splendid cut flower.
- Major Bonnaffon.** Soft yellow; eight inches in diameter.
- Maude Dean.** Pink; broad, shell-shaped petals; very large flower.
- Mme. F. Bergmann.** White; large and full flower; early bloomer.
- Mrs. Henry Robinson.** A perfect and handsome ball of white.
- Niveus.** Pure white; strong, robust grower; large leaves.
- Each 10c; six for 50c, postpaid.
One each of pink, red, white and yellow (our selection), 33c postpaid.



DORMANT FERN BALL

Ivy-Leaved Geranium

Gallilee. A fine double-flowered, pink variety, which makes a handsome plant in a hanging basket. 15c.

Japanese Fern Ball

For the Window, Drawing Room, or Suspended from Chandelier.

The ball consists of Fern Roots about the size of a pencil, woven outside and around a ball of moss. These roots produce beautiful sprays of ferns from eyes or buds, at nearly every inch of their length. Thus the whole surface of the ball soon becomes covered with fern sprays.

Mail size, about five inches in diameter; each 50c.

Double Petunias

They are plants of very easy culture, suitable either for pots or planting in open ground. Their very beautiful flowers are borne in great profusion. *Crimson, pink, maroon, white, variegated.* Each 15c; or one each of the five colors for 50c postpaid.

Rose-Scented Geraniums

Grown for the delightful fragrance of its foliage and most useful in making up bouquets. Price 12c each; 3 for 30c, postpaid.

Salvia Splendens

There are very few bedding plants so easy to cultivate as this. Once planted out in fairly good soil, each plant will grow to a bush about 2 feet high, nearly as broad, and be clothed all summer long with brilliant red flowers. Each 10c, postpaid.



SALVIA OR SCARLET SAGE

Hardy

The best blooming, fragrant garden
Extra strong two-year old bushes.

Roses

THE PLANTS offered on this page are field-grown and dormant. They are much larger and bulky than those sent out by mail. From their size we can send them **only by express or freight at the expense of the purchaser.** Having no soil on the roots and being dormant, they are of little weight and can be sent at low cost by express.

In planting Dormant Roses (nearly all of which are grafted plants) care should be taken to have the budded part set two or three inches below the surface of the ground, and the soil pressed firmly about the stem. Dormant plants produce better flowers and make stronger plants than those grown from cuttings.

Hardy Hybrid Perpetual Roses

Field grown plants, each 25c; doz. \$2.50, not prepaid.

Alfred Colomb. Crimson, large fragrant flowers.

Anne de Diesbach. Bright rose color, very large.

Abel Carriere. Purplish crimson, shading in the center to red.

Antoine Mouton. Deep rose, fringed with lilac; full form.

Baroness de Bonstetten. Dark red, exceedingly fragrant.

Baroness Rothschild. Light rose.

Boule de Niede. Pure white.

Captain Christy. Delicate flesh color.

Coquettes des Alpes. Pure white flowers.

Fisher-Holmes. Rich velvety crimson, large and fragrant.

Francois Level. Clear bright rose, shaded carmine.

General Jacqueminot. Rich velvety crimson; magnificent bud.

General Washington. Red, shaded with crimson.

Giant of Battles. Intense crimson, delightfully fragrant.

La France. Silvery rose, flower large and of distinct fragrance.

La Reine. Clear light rose; perfectly hardy; fine form.

Mabel Morrison. Pure white.

Mme. Plantier. Pure white; a favorite for cemetery decoration.

Mme. Victor Verdier. Crimson.

Magna Charta. Pink, suffused with rose; immense flowers.

Paul Neyron. Deep rose color; largest of all, perfect in form.

Prince Camille de Rohan. Velvety crimson, shading to maroon.

Perles des Blanches. Pure white, an exceedingly free bloomer.

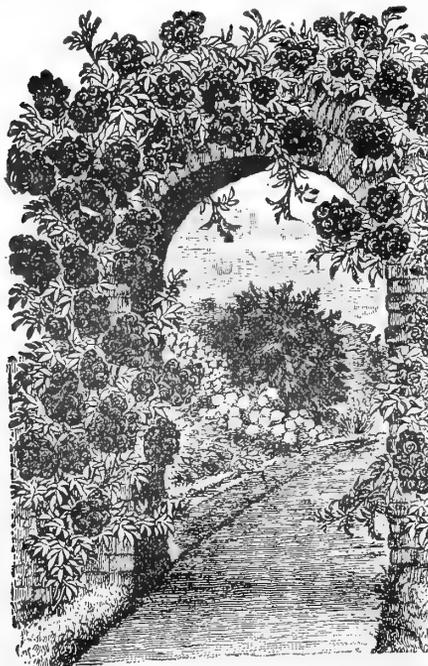
Ulrich Brunner. Cherry red flowers.



Persian Yellow Rose

Finest Hardy yellow rose in cultivation.

An elegant hardy, golden-yellow rose, which stands our hardest winter of the North perfectly. Every lover of the rose should have it in the garden. Fine large plants 25c. each; per doz., \$2.50; by express only.



Tree Roses

These Roses we import from one of the best Rosarians in Europe and can recommend our stock as first class, healthy, strong, and of good shape. Tree Roses are about 4 to 5 feet high, therefore can only be shipped by Express. In ordering these please state what color you desire. By express, each 50c.; 3 for \$1.40. Not prepaid.

Beautiful Rambler Roses

All strongly rooted, field-grown plants.

Crimson Rambler.— Entirely hardy, of vigorous habit, and rapid growth. Flowers bright crimson; its profusion of bloom is simply astonishing, charming as a pot plant. For covering buildings, trellises, etc., it cannot be excelled.

Yellow Rambler.— The only yellow climbing rose possessing any considerable degree of hardiness. Flowers borne in huge clusters.

Three Old Favorite Climbing Roses

Baltimore Belle. Literally a sheet of fragrant, pale-blush, blooming in early summer. An old favorite.

Seven Sisters. Large clusters of roses shaded from white to crimson, no two alike in cluster. Fine and odd.

Queen of the Prairie. A distinct rose, with deeply sunken center, making a cup-shaped rose of much beauty.

Large field-grown plants, each 25c.; doz. \$2.50.

MOSS ROSES. Admired for their beautiful buds enveloped in a mossy fold. Being entirely hardy they are desirable for culture in the open ground. Please state color of flower you prefer. We supply either white or pink. Large field-grown plants, each 35c.; doz. \$3.50, not prepaid.

NOTE.— Above offered Roses hereon are strong, vigorous plants, and are guaranteed to reach you in good order. Purchaser has to pay the charges, whether sent by express, or freight.

Hardy Climbing and Trailing Plants.

CLIMBING VINES thrive and flower in any garden soil, and, once established, do not require any extra care. All of those named upon this page are hardy: that is, they live outdoors all winter, starting again anew the following spring to clothe in beauty and verdure any object upon which they may be trained.

Most of the plants are two and three years old, with strong roots. Such stock, from its size, can be shipped only by express or freight at buyer's expense. Young plants are sent by mail, postpaid.

AMPELOPSIS.

Veitchii (Boston Ivy; Japanese Woodbine). Unexcelled for covering walls, as it clings firmly to the smoothest surface, clothing it with a mass of overlapping leaves that are deep green during summer, changing to bright shades of crimson and yellow in autumn. 15 cts. each, \$1.50 per doz., by mail, postpaid; larger plants, 20 cts. each, \$2.25 per doz., not postpaid.

Quinquifolia (Virginia Creeper). Used for the same purpose as Boston Ivy. It is one of most sturdy growth, having very strong vines and larger leaves. 20 cts. each, not prepaid.

ARISTOLOCHIA SIPHO. (Dutchman's Pipe.)

A rapid-growing climber, with dark green, heart-shaped leaves; flowers shaped like a pipe, purple and green. 50 cts. each, by mail; 35 cts. each, not prepaid.

BIGNONIA RADICANS. (Trumpet Creeper.)

Clings to bark or walls with tenacity. Foliage fern-like; flowers orange-scarlet, trumpet-shaped, borne in clusters quite profusely when the plant has attained a fair age and size. 15 cts. each, by mail; larger plants, 30 cts. each, not prepaid.

CLEMATIS PANICULATA. (Sweet-Scented Japan Clematis.)

One of the most valuable of all hardy flowering vines; of exceedingly rapid growth, soon reaching a height of 15 or 20 feet, and spreading out in all directions. Small, pure white flowers, borne in great masses of panicles or clusters in long stems; so profuse as to fairly cover the plant with a sheet of fleecy white. Its blooming period is in August and September, when most other vines have ceased, and then it is at its height of beauty. 12 cts. each, 30 cts. for 3, by mail, postpaid; larger plants, 25 cts., not prepaid.

CLEMATIS, Large-Flowered.

Nothing in the way of vines will compare with the Clematis for covering porches, pillars, trellises, etc. Grown as a single specimen trained to a pillar is perhaps the best manner in which to get the best effect. In any form the large, star-shaped flowers are produced from June until October. The Clematis does best when grown in a deep, rich, sandy loam. The roots should be mulched with manure in winter. Failures with this plant are frequently the result of shallow planting; the roots should be at least 3 inches below the surface.

Special Offer: 4 Clematises for 50 cts., postpaid

These
are
Pot-
grown
Young
Plants

Henryi. Single white. The best one of its color.
Jackmani. Rich royal purple flowers.
Mad. Baron Veillard. Rose, with lilac shading.
Ramona. Lavender-blue. The most beautiful variety of its color yet known.

LARGE PLANTS for Immediate Effect. We offer the following and other varieties of similar colors in well-rooted strong plants. Price, 40 cts. each, 3 for \$1, not prepaid.

Duchess of Edinburgh. Double white; best of its class.

Gipsy Queen. Dark purple; blooms very freely.

Henryi. Large, single, white; very strong grower.

Jackmani. Blooms until cut off by frost; rich, deep velvety purple. A grand and well-known sort.

Mad. Baron Veillard. Rose, with lilac shading.

Miss Bateman. White, with chocolate anthers.

Seiboldi. Light blue; large flowers.

By
Express
or
Freight
only.

HONEYSUCKLES.

For real home vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles. The foliage is pretty, neat and clean; the flowers are almost continuous, and their fragrance delicious. The varieties described below are the very best. By mail, 12c. ea., 30c. for 3; 2-year-old plants, 25c. ea., not prepaid.

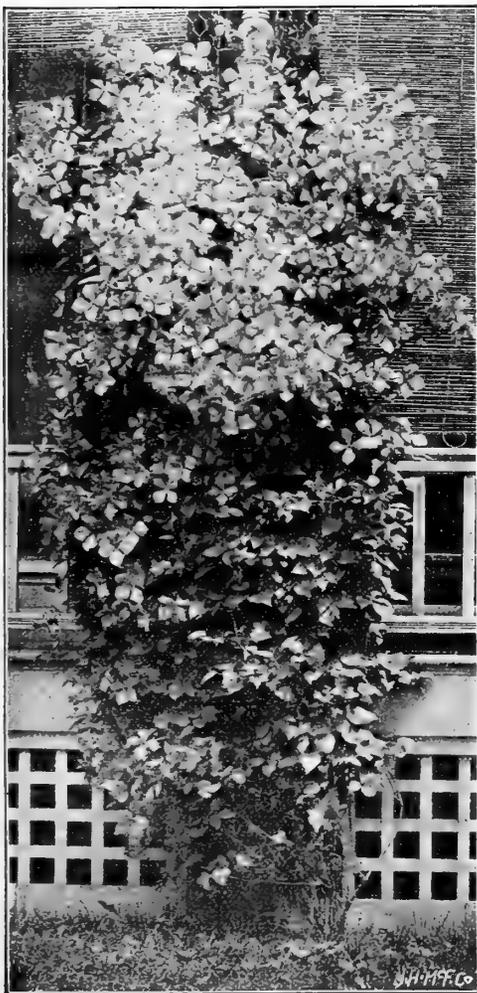
Hall's Japan. A strong-growing, almost evergreen sort; flowers pure white, changing to yellow; fragrant. Covered with flowers from July to November.

Monthly Fragrant. Red and yellow, very fragrant; blooms all summer. Leaves tinged with reddish color.

Scarlet Trumpet. Bright red, trumpet-shaped flowers. Blooms very freely the entire season.

WISTARIA, CHINESE

One of the most elegant and rapid-growing climbers wherewith to clothe pillars and trellises. The flowers are borne in long, pendulous clusters like bunches of grapes. We offer in two colors—**Purple** and **White**. By mail 15c. each, one of each color for 25c.; large plants, 35c. each, not prepaid.



LARGE-FLOWERED CLEMATIS.

Hardy Flowering Shrubs.

HARDY SHRUBS, judiciously planted around the home ground, impart to the place a neat, finished effect, which can be produced in no other way. They are not particular as to location; once planted, they are there to remain, as they endure. The time of bloom of the different sorts extends over nearly the whole season, though the greatest show is to be expected in spring and early summer.

ABOUT PRICES. The plants described in this list are healthy, thrifty, field-grown stock. One-year-old plants (where they can be supplied) are offered "by mail." Those quoted as "large plants" are two or more years old; they are shipped by express or freight only, and the purchaser pays the transportation charges.

ALMOND.

The Flowering Almond is a beautiful shrub, bearing in May, before the leaves appear, an abundance of small, double, rose-like flowers. **Double Rose** or **Double White**. 25 cts. each, not prepaid.

ALTHEA, or ROSE OF SHARON.

Altheas belong to the hollyhock family. They are suitable shrubs to grow singly or in clumps and are fine for hedges. They bloom in the latter part of summer, bearing large, double flowers in different colors: Red, White, Deep Violet and Variegated. 25 cts. each, not prepaid.

BARBERRY, PURPLE-LEAVED.

This produces yellow flowers in May, followed in fall by violet-colored fruit. Grows from 3 to 5 feet high. In its purple foliage, or when in fruit, is a beautiful shrub. 25 cts. each, not prepaid.

CALYCANTHUS. (Sweet-Scented Shrub.)

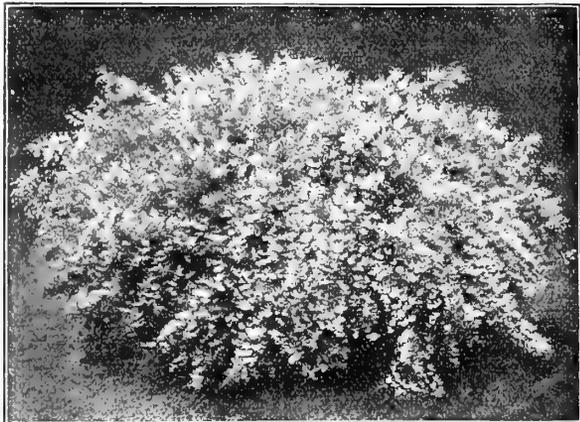
It blooms in June and at intervals afterwards. Has handsome, rich foliage; flowers chocolate, having a peculiar agreeable odor. 25 cts. each, not prepaid.

CORNUS. (Red-Twigged Dogwood.)

A strong-growing shrub, bearing clusters of white flowers in June. Ornamental in winter, when the stems and branches turn blood-red. 25 cts. each, not prepaid.

CYDONIA JAPONICA. (Japan Quince.)

One of the best shrubs in the list. Bears bright scarlet flowers in early spring. 25 cts. each, not prepaid.



DEUTZIA GRACILIS.

DEUTZIA.

The hardihood of these plants, in connection with the rapid growth, luxuriant foliage and profusion of bloom in June, make them deservedly popular.

Crenata fl. pl. Double white flowers, tinged with pink. By mail, 15 cts. each; large plants, 25 cts. each, not prepaid.

Gracilis. An early-blooming dwarf sort, with pure white flowers. Hardy in the garden, and valuable for pot culture indoors in winter. By mail, 15 cts. each; large plants, 25 cts. each, not prepaid.

FORSYTHIA. (Golden Bell.)

Pretty shrubs of medium size. They have deep, glossy green foliage and bright yellow flowers, borne on drooping branches. Mail size, 15 cts. each; large plants, 25 cts., not prepaid.

HYDRANGEA PANICULATA GRANDIFLORA

This handsome shrub thrives in all sections of the country and comes into bloom in August, at a time when all other shrubs are through flowering. It produces large pyramidal-shaped heads of blooms in the greatest profusion. These are pure white when they first open, gradually changing to pink, and remain on the bush until winter. By mail, 10 cts. each, 50 cts. for 6; large plants, 25 cts., not prepaid.

LONICERA.

(Upright Honeysuckle.)

The plants under this head form bushy, erect shrubs, which in June are loaded with beautiful flowers, succeeded later by handsome berries. We offer **Red-** and **White-flowered**

Tartarian. By mail, 15c. each; large plants, 25c., not prepaid.

PRIVET, CALIFORNIA.

Of this very desirable hedge plant we can supply stock 18 to 24 inches in height. To get best results these plants should be set about 8 inches apart, and well pruned at the base, the first two seasons. It has handsome dark foliage, which remains on the bush until quite late. \$1 per doz., \$5 per 100, not prepaid.

PRUNUS PISSARDII.

This fine Plum transplants very easily. The leaves while young are crimson, changing to dark purple, and retain this beautiful tint till they drop. Bears pure white flowers in great profusion. Large plants, 25 cts. each, not prepaid.



A GROUP OF HYDRANGEA PANICULATA GRANDIFLORA.

LILACS. (Syringa.)

Lilacs stand more neglect, heat or drought without showing any bad effects, than any other plant, and there is hardly any other shrub that can take their place as ornamental plants for borders, etc. They bloom in early spring.

Purple. A large, strong-growing and almost universally known shrub, bearing clusters of richly fragrant, purple flowers. 25 cts. each, not prepaid.

White. A white-flowered form of the above; fragrant. 25 cts. each, not prepaid.

New Persian. This is a grand Lilac; its purple flowers hang in large, loose panicles. Leaves dark green, smaller than the ordinary Lilacs. 25 cts. each, not prepaid.

We can supply field-grown plants only of Lilacs.

PHILADELPHUS. (*Mock Orange.*)

One of the most satisfactory shrubs for the home grounds. It is a sturdy grower, with handsome dark green foliage and beautiful pure white, fragrant flowers, produced in the greatest profusion: blooms in June. By mail, 15 cts. each; large plants, 2 to 3 ft. high, 25 cts., not prepaid.

RIBES. (*Flowering Currant.*)

Of easiest culture; they bloom in early spring.

Aureum. Fragrant yellow flowers.

Gordonii. Crimson and yellow flowers.

Either sort, large plants, 35 cts. each, not prepaid.

SAMBUCUS. (*Elder.*)

Showy shrubs with ornamental foliage and fruit. They blossom in June.

Aurea. Golden yellow foliage.

Laciniata. Has cut or divided leaves.

Large plants, 35 cts. each, not prepaid.

SNOWBALL. (*Viburnum.*)

A superb, much admired shrub, bearing in June great clusters of white flowers in the form of a snowball.

Common. Young plants, 12 cts. each, 30 cts. for 3, postpaid; field-grown plants, 2 to 3 ft. high, 25 cts. each, not prepaid.

Japan. Of better color and form than the above; its habit is better, foliage handsomer, flowers more delicate. 15 cts. each, 40 cts. for 3, postpaid; field-grown, large plants, 40 cts. each, \$1 for 3, not prepaid.

SNOWBERRY. (*Symphoricarpos.*)

Bears in summer small pink flowers, followed by large white berries that hang on the bush nearly all winter. Strong plants, 25 cts. each, not prepaid.



WEIGELA ROSEA.

WEIGELA.

Weigelas are shrubs of erect habit while young, but gradually spread and droop as they grow older. Their time of blooming is after the lilacs are gone, and they produce large trumpet-shaped flowers of all shades and colors from pure white to red. We strongly recommend them as good shrubs to set out.

Candida. Snow-white flowers in June and July.

Rosea. Fine rose-colored flowers; one of the best.

Variegata. Dwarf in habit; flowers rose-blush, smaller than the others; silvery, variegated foliage.

Young plants of each variety, 12 cts. each, 30 cts. for the 3, postpaid; field-grown plants, 30 cts. each, 75 cts. for 3, not prepaid.

TAMARIX, AFRICAN.

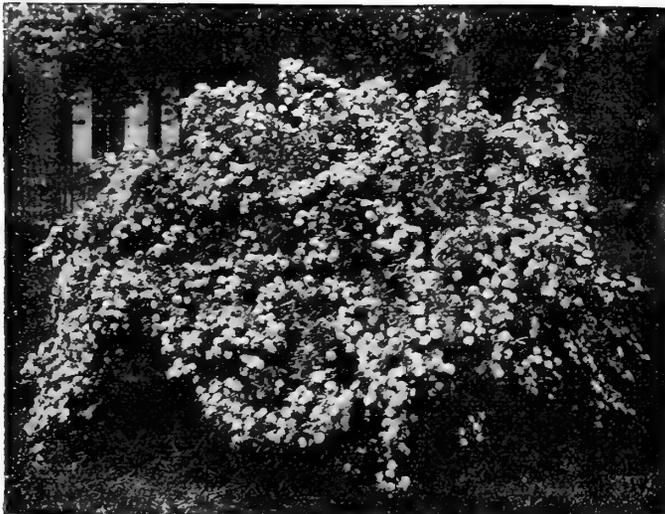
A beautiful shrub with small leaves like juniper. Bears, in May, delicate spikes of pink flowers. Field grown plants, 35 cts. each, not prepaid.

YELLOW HORN.

(*Xanthoceras sorbifolia.*)

A rare shrub recently introduced from China. Blooms almost as soon as frost is out of the ground.

The handsomest early-flowering shrub known. The bushes are completely covered with white and yellow flowers. Plants 6 inches high; will bloom profusely, and add beauty to the most magnificent of homes. The flowers are an inch across, in clusters, standing erect, about 8 inches long; white, with blood-red streaks at base, followed by 3-celled fruits about the size of walnuts. By mail 15 cts. each; 2-year-old plants, 35 cts. each.



SPIRÆA VAN HOUTTEI.

SPIRÆA. (*Meadow Sweet.*)

All the Spireas are shrubs of easiest culture and rapid growth. They bloom from the middle of May to the end of August. Their flowers are much prized to bring out the full beauty of a bouquet.

Prunifolia. (*Bridal Wreath.*) Pure white, double flowers, like daisies. Strong, upright grower; blooms in May. Young plants, 12 cts. each, 30 cts. for 3, postpaid; large plants, 25 cts. each, not prepaid.

Van Houttei. When in bloom in May and June, it is a weeping fountain of snow-white flowers, borne on branches 2 feet or more in length. This sort is very hardy. One of the most beautiful shrubs in our list. 25 cts., not prepaid.

Orders for Shrubbery should reach us not later than the middle of April, as by that time the plants have begun to leaf out.

Hardy Herbaceous Perennial Plants

For Permanent Planting in Garden Borders, Cemetery Plots, Etc.

Plants of this class are perfectly hardy in the open ground, and die down *only* to the roots at the approach of cold weather. Once planted, they become a lasting pleasure. Failure with them is practically impossible. They succeed admirably upon all sorts of soil and in any situation that is not too greatly shaded. In preparing a bed or border for them, remember they are heavy feeders and are to remain undisturbed for years; and therefore make the soil rich and deep.

Orders for Perennials should reach us by April 15, though in some seasons we can continue to supply this stock up to May 1.

BLEEDING HEART

(*Dicentra Spectabilis*.)

An easily cultivated plant, excellent for the border or cemetery. Grows about 2 ft. high. Flowers rose colored, heart shaped, produced in early spring.

CAMPANULA media

(*Canterbury Bells*)

A favorite garden plant. Grows about 2 feet high, blooming freely in June and July. The beautiful bell-shaped flowers are white to deep purple. We offer in mixed colors.

CHRYSANTHEMUM maximum

(*Giant Daisy*)

This forms bushy plants about two feet high. They thrive in hot sun, continuing in bloom all summer. Flowers are like the white daisy, but larger. An excellent and lasting cut flower. Wonderfully decorative.

SHASTA DAISY

(*Chrysanthemum Leucanthemum*)

Graceful and elegant pure-white flowers with yellow centers; lasts a long time. In bloom from June to October. Extra fine cut flower, having long, stiff stems.

COREOPSIS lanceolata

Golden-yellow flowers produced the entire season. Each flower is borne on a long, leafless stem. When cut, they will last in water for several days without fading. Height 18 inches.

THREE of the most beautiful Hardy Plants are IRISES, PAEONIES and PHLOXES. We grow all three on a large scale. (For descriptive notes see next page.)

PRICE OF HARDY PERENNIALS

Unless otherwise noted, each 15c, 3 for 40c, postpaid. Large plants each 25c by express, not prepaid.



HIBISCUS. "CRIMSON EYE"



CAMPANULA MEDIA

DELPHINUM. (Larkspur)

The hardy larkspurs with their tall spikes of blue flowers produced continuously from June until fall are much esteemed for cut flowers. We can supply them in mixed colors.

DIGITALIS. (Foxglove)

The tall spikes are thickly clustered with tubular flowers, ranging widely in color. Suitable for backgrounds.

FUNKIA or Day Lily

Subcordata. A fine old variety, with pure-white flowers and broad leaves. Likes a moist, shady situation.

HELIANTHUS multiflorus

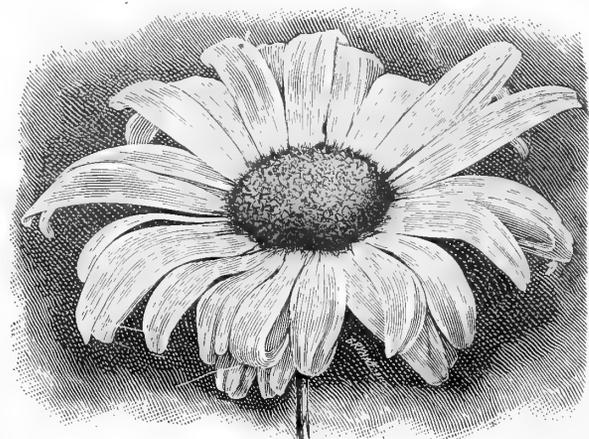
This hardy sunflower attains a height of about 4 feet. In August and September the plants are covered with bright golden yellow flowers.

HIBISCUS. "Crimson Eye"

An immense white flower with a crimson eye. Perfectly hardy. Blooms freely from midsummer until killed by frost. Succeeds everywhere. Exceedingly decorative and especially among shrubbery.

HOLLYHOCK

We have excellent healthy plants, grown from seed, that should flower the first summer, and usually for three or four summers after. Give the plants a light covering of coarse litter for winter protection. Separate colors in red, white, yellow, pink, and maroon.



SHASTA DAISY

Hardy Herbaceous Perennial Plants — Continued

Price, unless otherwise noted, each 15c; 3 for 40c, postpaid. Large plants each 25c, by express, not prepaid.

GERMAN IRIS

A good old flower, handsome, and as many hued as some of our finest orchids. Perfectly hardy. They bloom in May and June, when there is always a scarcity of flowers. Plant three inches deep. We offer in mixed colors at 10c each, postpaid. Clumps, 15c, not prepaid.

JAPANESE IRIS. Iris Kaempferi

Leaves of Japanese Iris are narrow in place of broad; their flowers are of different shape, and are produced after the German Iris has passed away, continuing in bloom for several weeks. They are among the most beautiful summer blooming plants, and fully deserve a place in every garden. We have a collection of assorted colors.

LILY OF THE VALLEY

Sweet, delicate, and graceful. For outdoor culture select a partially shaded, moist situation. A few clumps will start a bed. Extra strong clumps, each 35c, postpaid. Not prepaid, each 25c; doz. \$2.50.

MYOSOTIS. Forget-Me-Not

Few flowers give more pleasure. Last nearly all summer. Small, pale-blue flowers. Each 10c.

PAEONIA

The Pæonia excels as a garden flower. For cutting there are few, if any, more rich and decorative. Deeply cultivated, rich soil suits them best. They bloom in May and June. Our collection has been made with care. We have now all shades of color from the purest white to the most intense crimson, in blooms of immense size, exceedingly double and sweetly scented. Named varieties, large clumps, each 75c. Unnamed sorts in separate colors, white, rose, crimson, clumps, each 40c, not prepaid. Divided roots, colors as above, each 20c, postpaid. Not prepaid, 15c.



CLUMP AND FLOWER OF PÆONY



IRIS

PHLOX DECUSSATA

Hardy Garden Phlox

Those who omit these superb plants from their garden miss a great pleasure. They are perfectly hardy, succeeding in any garden soil, and producing magnificent spikes of showy and lasting flowers year after year with comparatively little care. The varieties we offer are among the finest in cultivation, and comprise the best and most distinct colors; viz.,

- Orange with scarlet eye. tall.
- Salmon scarlet, dwarf.
- White with violet center, tall.
- Pure white; tall grower.

RUDBECKIA

"Golden Glow"

Excellent for cut flower purposes, as the stems are long and often carry a dozen flowers of the brightest golden yellow with beautiful foliage, lasting well when cut.

HARDY GARDEN PINKS

We offer plants of these old favorites, ranging in color from pure white to dark pink.

SWEET WILLIAM

An old favorite of very easy culture. Large, field-grown plants only 25c each,

VINCA. Trailing Myrtle

A creeping plant with very dark evergreen leaves and blue flowers. Used for cemetery plots.

YUCCA. Adam's Needle

Narrow evergreen leaves. The plant in summer bears creamy white, bell-shaped flowers on a stem 3 to 4 ft. high.

Orders for Perennials should reach us by **Art** if possible.

Selected Nursery Stock

Ready for shipment about April 10.

ESPECIAL attention is called to the **very superior quality** of the nursery stock we supply. It is **first class** in every respect, **smooth, straight, handsome**. Only a few varieties are given under each heading. They are such as have proved themselves suitable for the Central and Western States.

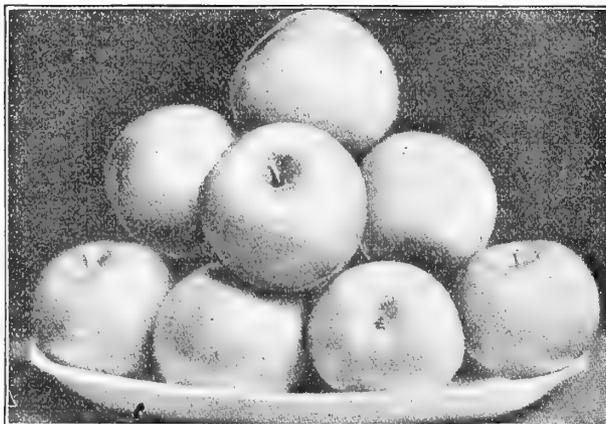
Packing and delivery to railroad depot or express office in Chicago, **free of charge**. For light shipments we advise express; larger quantities or heavy packages generally go safely by freight. **Purchaser pays transportation charges**. State if we shall ship by express or freight. Where no instructions are given we use our best judgment as to route.

Systematic Pomology

Treating of the
Description
Nomenclature
and
Classification
of Fruits

By **F. A. Waugh**
Professor of Horticulture
University of Vermont

288 pp., Cloth. \$1.00
Postpaid



Spraying Crops

**Why, When,
and How**

to spray Fruit Trees,
Nursery Stock, Shade
Trees, Vegetables
and Field Crops.

50c. postpaid.

APPLES

3 to 4 ft., each, 20c; doz. \$2.25.
Special rates on larger lots.

Description is intended to cover color, quality and season.

Early Harvest. Yellow; subacid; August.

Red Astrachan. Crimson; sour; August.

Duchess of Oldenburg. Yellow, streaked red; subacid, good; September.

Alexander. Red; early fall.

Keswick Codlin. Pale yellow; fine for cooking and market; August to October.

Snow. Crimson; fine for dessert; October.

Maiden's Blush. Shaded red on pale yellow; subacid; great bearer; September and October.

Yellow Transparent. Pale yellow; one of the best early apples; good grower and heavy bearer.

WINTER VARIETIES.

Saldwin. Bright red; juicy, crisp; December to April.

Gano. Like Ben Davis in size and productiveness; fruit deep, dark red; handsome; December to March.

Grimes' Golden. Yellow; subacid, aromatic and rich. January to April.

Mammoth Black Twig. Dark red.

Northern Spy. Flesh white and delicious; January to June.

Jonathan. Yellow, striped red; November to April.

Tallman's Sweet. Yellow, tinged with red.

Wealthy. Whitish yellow; subacid; one of the most desirable varieties.

CRAB APPLES

Early bearers; hardy and ornamental. 3 to 4 ft., each, 20c; doz., \$2.25.

Martha. Glossy yellow; October and November.

Hyslop. Crimson; October.

Transcendent. One of the largest; glossy carmine; juicy, excellent for cider.

Yellow Siberian. October.

CHERRIES

3 to 4 ft., each, 35c; doz., \$3.50.

Dyehouse. A very early and certain bearer; ripens a week before Early Richmond; June.

Early Richmond. Early; dark red; subacid; juicy; June.

Montmorency. A large red, acid cherry, larger than Richmond, and about ten days later.

Ostheimer. A perfectly hardy, late-blooming, immensely productive variety; large, heart-shaped, nearly black when ripe; juicy and rich; August.

PEARS

Those marked (*) can be supplied in standard, (3 to 4 ft.) or dwarf form (4 to 5 ft.) at the same price. Unless noted, each, 30c; doz., \$3.50.

***Bartlett.** Buttery, juicy, great bearer.

***Kieffer.** Russet yellow.

***Koonce.** A valuable early sort which originated in Illinois; yellow with carmine cheek.

Rossney. Resembles Bartlett but is more round and two weeks earlier; creamy skin with crimson blush; fruit luscious and fine grained.

***Seckel.** Small; yellow, red cheek.

PEACHES

Healthy trees with splendid roots. 4 to 6 ft., each, 20c; doz. \$2.25.

Barnards. Medium; yellow; juicy and rich; hardy and productive; September.

Crawford's Late. A superb, large, yellow peach; one of the best; September.

Old Mixon Free. Large, pale yellow, deep red cheek; white flesh; tender.

Yellow St. John. Nearly as large as Crawford, fully equal in color; fruit round, brilliant, showy; August.

We can supply all leading varieties, early, medium, and late bearers.

PLUMS

We offer fine trees of 5 to 7 ft. of native, European and Japanese varieties, each, 40c; doz., \$4.50.

Abundance (JAPAN). Yellow over-spread with cherry; August.

Pottawattomie (NATIVE). Yellow with pink and white dots; August.

Wild Goose (NATIVE). Red with blue bloom; spicy and sweet; July.

Shropshire Damson (EUROPEAN). Dark purple; best for preserving, October.

QUINCE

Meech. Large orange-colored fruit; cooking quality unsurpassed. Young trees 4 to 5 ft., each, 40c.

RUSSIAN MULBERRY

Hardy; a fine shade tree for the lawn; vigorous grower; fruit is greatly esteemed; 3 to 4 ft. high, each, 35c.

TAKE NOTICE: All on this page must be shipped by express or freight at expense of purchaser.

Small Fruits

☞ Please note:—Young Plants of Blackberries, Grapes, Raspberries and Strawberries will, if requested and postage is sent with order, be forwarded by mail. All others on account of their bulk must be sent by express or freight.

BOOKS ON FRUIT CULTURE

Covering from Planting to Marketing

Small Fruit Culturist (Fuller). Has many beautiful engravings. Postpaid, \$1.00.

Strawberry Culturist (Fuller). Gives a vast amount of information. Postpaid, 25c.

BLACKBERRIES

Set the plants in rows 6 feet apart and 4 feet apart in the row.

Add to these prices 35c. per 100 for postage.

- Early Harvest.** The earliest of all.
- Erie.** Large, rich fruit, uniform.
- Rathbun.** Very large, jet black, luscious fruit. Doz. \$1.00; 100, \$6.00.
- Snyder.** Hardy and well-known.

Unless noted: Doz., 60c., 100, \$2.50.

CURRANTS

Set the plants 4 feet apart in good, rich soil, cultivate well or mulch heavily. We handle two-year old stock only; too heavy to mail.

- Champion.** Black; large berries.
 - Cherry.** Red; short bunches.
 - North Star.** Red; hardy; good quality. Bush is a strong grower.
 - White Grape.** Yellowish-white
- Price: Each 20c.; Doz., \$1.50.

GOOSEBERRIES

A good soil with thorough pruning are the essentials for a good crop. Two-year old stock; too heavy to mail.

- Downing.** Pale green. Sweet; nearly free from mildew.
 - Houghton.** Small, pale red berries. Productive and of good flavor.
 - Red Jacket.** Large berries. A great yielder; Best one of its color.
- Price: Each 20c; Doz., \$1.75.

GRAPES

All have plenty of roots.

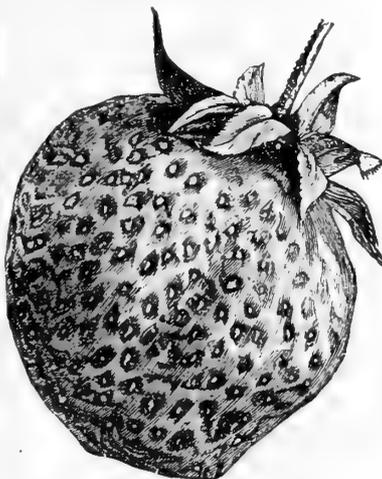
- Brighton.** Red. Ripens early.
 - Concord.** Black. Well-known. Fall.
 - Moore's Diamond.** White.
 - Niagara.** Greenish white. September. Pulp, sweet, and good.
 - Pocklington.** Golden yellow.
- Young Plants, by mail, each 15c; 3 for 40c.**
- Larger size, by express, not prepaid, each 20c.; doz., \$1.50.**

RASPBERRIES

Plant in rows 3 feet apart and 3 feet apart in the row.

Add for postage 50c. per 100.

- Columbian.** Purplish red.
 - Cumberland.** Black cap.
 - Cuthbert.** Red; sweet.
 - Gregg.** Black cap; hardy.
 - Loudon.** Red; large berries.
- Price: Doz. 50c.; 100, \$2.50.



SENATOR DUNLAP

STRAWBERRIES

Those marked (P) are pistillate varieties. They are the most productive but a row of a perfectly formed sort should be planted every 10 or 12 feet to pollinize the flowers.

A FEW OF THE BEST ONES

- Clyde.** Large and showy.
 - Crescent (P)** Early; bears profusely.
 - Gandy.** The best late one.
 - Glen Mary.** Bright deep red.
 - Jessie.** Early. Dark red berry.
 - Senator Dunlap.** An exceptional fine sort. Fruit is dark red, firm and glossy. Ripens in midseason. By mail postpaid, doz., 30c.; 100, \$2.00. Express, not prepaid, 100, \$1.00.
 - Wm. Belt.** Midseason. One of the best in every respect.
- Price: unless noted, doz. 25c.; 100, 85c., postpaid. Express not prepaid 100, 60c.; 1000, \$5.00.



ORNAMENTAL TREES

For street trees there is nothing better than the Rock or Sugar Maple: Ash is good. For lawns, Cut-leaved Weeping Birch is one of the most beautiful. Linden, Tulip, Maple, Ash, Elm, etc., should have a place in large grounds. Prices are for transplanted trees.

- Ash, American White, each**.....\$0.50
- " **European**..... .50
- Beech, Purple leaved**..... .40
- Box Elder (Ash leaved maple)**... .40
- Catalpa speciosa, 6 to 8 ft.**..... .30
- Elm, American. 6 to 8 ft.**..... .50
- Horse Chestnut. 4 to 5 ft.**..... .40
- Linden. (Basswood) 6 to 8 ft.**.... .50
- Maple, Norway**..... .50
- " **Sugar or Rock**..... .50
- Mountain Ash, red berried**..... .50
- Poplar, Carolina. 6 to 8 ft.**..... .30
- Sycamore. 5 to 7 ft.**..... .30
- Tulip. (Whitewood), 5 to 6 ft.**.... .45

EVERGREENS

- Nice plants, averaging 1½ to 2 ft
- Arbor Vitae, American**.....\$0.30
- Pyramidalis**..... .35
- Juniper, Irish**..... .50
- Spruce, Norway**..... .40

WEeping TREES

The drooping branches of Weeping Trees make this class desirable for cemetery decoration.

- Birch, Cut-Leaved, 6 to 8 ft.**...\$0.75
- Beech, Pendula. 2 to 3 ft.**..... 1.00
- Elm, Camperdown, fine heads.** 1.25
- Mountain Ash, weeping**..... 1.00
- Mulberry, Tea's, Two-year heads**..... 1.00
- Willow, Wisconsin. 3 to 6 ft.,** .50

HEDGE PLANTS

- Honey Locust. 100, 75c; 1000, \$5.00.**
- Osage Orange. 1 year old. 100, \$1.00; 1000, \$3.00.**
- Privet, California. 2 to 3 ft.; 100, \$8.00.**
- Common, hardy, 1½ to 2 ft; 100, \$5.00.**

Do not overlook to send postage for plants wanted by mail.

IMPLEMENTS, SUNDRIES, ETC.

IMPLEMENTS such as plows, harrows, etc., used in the preparation of land for farm crops are also made use of for fitting the soil for gardening operations. In addition there are a number of soil-working tools not in common use upon the farm, but which are of real necessity in practicing the art of gardening economically.

These gardening implements may be classed as **Seed Drills, Hand Cultivators, Combined Drills and Cultivators and Horse Cultivators.** At the U. of Minn. Experiment Station, Prof. S. B. Green made a special study of garden implements. He says: "Among the best are those known under the names of *New Universal and Matthews.*"

☞ We deliver these Implements to any Depot or Express Office in Chicago at prices given here.

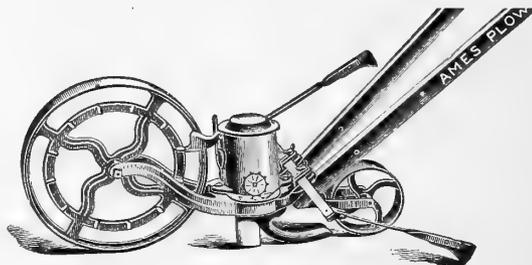
SPECIAL PRICES.—If you raise Onions or Garden Truck and can use one or more of these Implements and some garden seeds let us know your requirements and *special prices* will be quoted to you by mail. Write to-day.

Matthews New Universal Model Garden Drill.

Sows all kinds of Vegetable Seeds, including Peas, Beans and Corn. The depth may be gauged to any required space: will make a uniform deposit of the seed. It has a patent indicator bearing the names of different kinds of seeds, and conveniently located. Has the improved marker, and all late improvements (see cut opposite). This drill opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the machine forward. **Price, boxed, \$6.25.**

MATTHEWS "HILL AND DRILL" SEEDER.

The same in style as the Garden Drill, but is arranged so as to drop the seed either continuously in drill, or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw. The distance apart is regulated by the number of cogs on the Driving Wheel against which the agitator strikes. **Price, boxed, \$7.00.**

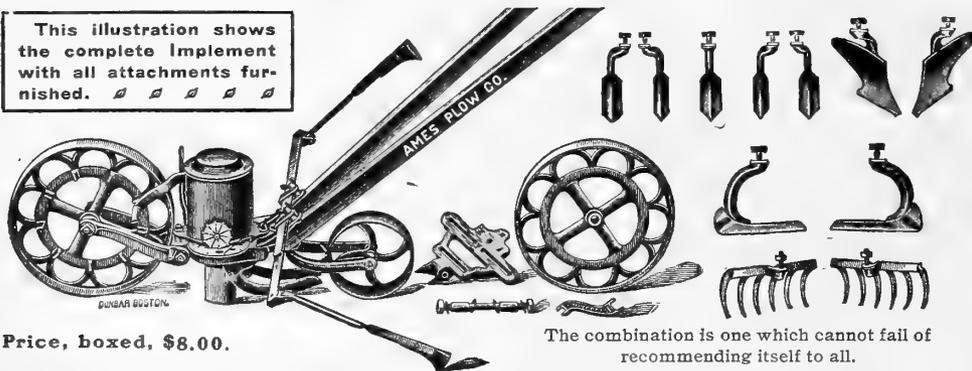


MATTHEWS GARDEN GEM DRILL

Operates almost the same as the regular Matthews Garden Drill, but is smaller pattern. It will sow most seed as perfectly as the most expensive drill, but is not large enough for beans, peas and corn. It is just the thing for people with a small garden where fine seeds such as turnips, onions, carrots, etc., only, are planted. It will make the furrow, drop and cover the seed and mark the next row as perfectly as any machine. **Price, boxed, \$5.00.**

Matthews New Universal Constellation Drill.

This illustration shows the complete Implement with all attachments furnished. ■ ■ ■ ■ ■



Price, boxed, \$8.00.

The combination is one which cannot fail of recommending itself to all.

Complete Catalogue of
Matthews Hand
GARDEN TOOLS
Free on Application.

IN THE CONSTELLATION is presented a brilliant assemblage of the New Universal Garden Drill, and the New Universal Wheel Hoe, Cultivator Rake and Plow, for use either as a

ONE WHEEL
OR
TWO WHEEL

{ Seeder,
Hoe,
Rake,

Cultivator,
Plow,
Marker. }

SIX
IMPLEMENTS
IN ONE

The change from one to the other being readily made.

SPECIAL FEATURES of this implement are: When used in straddle row cultivation, there is no projection beneath the Frame to interfere with plants; it may be used either astride or between the rows.

REMEMBER, this is the *only* Combination Implement made, that can be used either as a Seeder, or as a Cultivator, with One or Two Wheels as desired. Every gardener should have one, even if he does not cultivate more than one-eighth of an acre of the ground.

Cultivating Attachments

Are Shown Detached. They are:
1 Cultivator Frame,
1 Pair Hoes,
1 Pair Plows,
1 Pair Rakes,
1 Pair Narrow Cultivator Teeth,
1 Pair Wide Cultivator Teeth,
1 Center Cultivator Tooth,
1 Pair Markers.

We Carry the Best Line of Implements for Planting and Cultivating Vegetable Crops to be found in America.

New Universal Double Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, \$5.00.

Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are: 1 pair hoes, 4 cultivator teeth, 1 pair plows, 1 pair rakes, and 1 pair vine guards.

New Universal Double Wheel Hoe

WITH ONE PAIR OF HOES ONLY. The same machine as the New Universal Double Wheel Hoe, rakes, plows, cultivator teeth and leaf guards omitted. Price, boxed, \$3.50.

New Universal Expansion Double Wheel Hoe, Cultivator, Plow and Rake

Price, boxed, \$6.00.

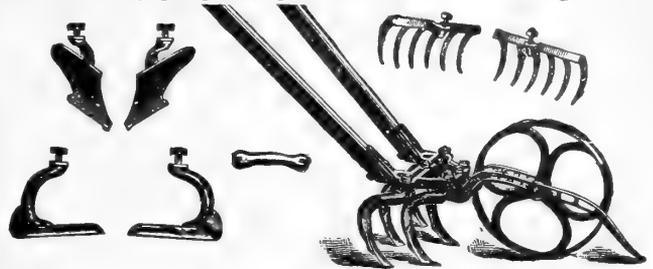
The wheels in this machine are 1½ inches in diameter. Has expansion pads, spring steel arch and brace.

The same machine, with hoe blades only. Price, boxed, \$4.50.

New Universal Single Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, with all attachments, \$4.50.

It can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of *young* plants under center of frame. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are: 1 pair hoes, 5 cultivator teeth, 1 pair plows, 1 pair rakes, and one vine or leaf guard.



New Universal No. 2 Single Wheel Hoe, Cultivator and Plow.

The same as the regular Single Wheel Hoe, except that the attachments are: 1 pair hoes, 3 cultivator teeth, 1 large plow. Price, \$4.00. If this machine is wanted, be sure to mention No. 2.

New Universal Single Wheel Hoe

WITH HOE BLADES ONLY. Price, boxed, \$2.75.

The price brings it within the reach of all.

New Universal HIGH ARCH EXPANSION Wheel Hoe, Cultivator, Rake and Plow.

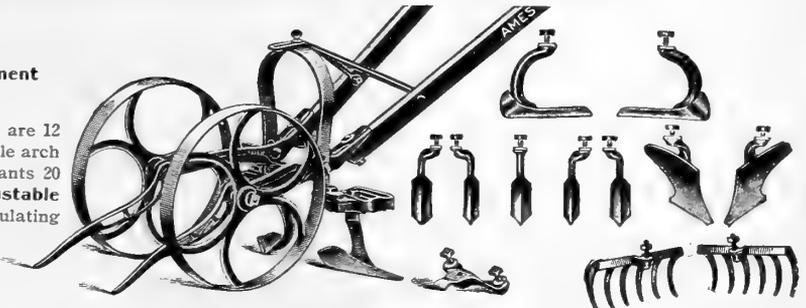
PRICE, Boxed, \$7.50.

A Double or single Wheel Implement at will.

In this new implement the wheels are 12 inches in diameter and the adjustable arch is high enough to cultivate over plants 20 inches or more in height. The *Adjustable Arch* also affords means for regulating depth and for setting pitch. This implement can be used either by a man or boy.

The attachments are: 1 pair long bladed hoes, 1 pair short bladed hoes, 1 pair narrow cultivators, 1 pair wide cultivators, 1 center cultivator, 1 pair plows, 1 pair rakes, 1 pair vine guards, 1 center tooth holder.

HIGH ARCH EXPANSION WHEEL HOE with hoe blade only. Price, boxed, \$5.25.



MATTHEWS HAND CULTIVATOR AND WHEEL HOE.

PRICES:

Boxed, complete, \$5.75
Cultivator, only, 4.75
Wheel Hoe, only, 4.50



THIS is one of the best implements in use for weeding between row crops, and flat cultivation generally, and is an indispensable companion implement to the Seed Drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from 6 to 14 inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivation may be accurately gauged by raising or lowering the wheel, which is quickly done. We can furnish for the Matthews Hand Cultivator, if desired, a pair of superior hoes, with long steel blades, for use in exchange with the cultivator teeth, which are easily and quickly adjusted, or we can furnish implement with hoe blades, and without cultivator teeth if desired.



New Universal Harrow Cultivator, WITH 14 TEETH.

For close working among small plants where it is not desired to throw the dirt but simply to loosen and pulverize it. The teeth are adjustable, either side up, both straight and slanting, thus combining several implements. Price, \$7.25 f. o. b cars Chicago

N. U. "Excel" Horse Hoe and Cultivator.

This last addition to these famous Tools we can recommend as strictly first-class in every way and the equal of any implement in the market. Price, \$8.00.

Planet Jr. Farm and Garden Tools.

We pay the freight on "Planet Jr." Tools, to any Station east of the Rocky Mountains.

Planet Jr. No. 3 Seeder Planting in rows and thinning afterwards is a terrible time waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12 or 24 inches apart, or in a continuous row as desired. Changed in a moment. Holds 3 quarts. Price....\$10.00

Planet Jr. Hill and Drill Seeder No. 5

The great hand power planter for both hills and drills. Will plant up or down hill and equally well with a paper of seed or a full hopper. Holds 5 quarts. Price.....\$12.50

Planet Jr. Combined Drill and Double Wheel Hoe No. 25.

This is a new machine intended for those who have a large acreage to cultivate. As a Drill it is almost identical with No. 3, and as a Wheel Hoe is the same as No. 12. The change from Drill to Double Wheel Hoe takes but a moment. Hopper holds 2½ quarts or about 5 lbs. of onion seed. Price, \$13.00.

Combined Drill, Seeder, Wheel Hoe, Cultivator, and Plow No. 1.

Does the same work as the No. 2 Drill, with the added advantage of being a first-class wheel hoe, cultivator. It is without an equal in variety of tools. Price, \$9.00.



Planet Jr. Double Wheel Hoe, Cultivator, and Plow No. 12.

The amount of work which can be done with this machine is almost incredible. The machine has an unusually large equipment—seven pairs of tools in all. Price, \$6.50.

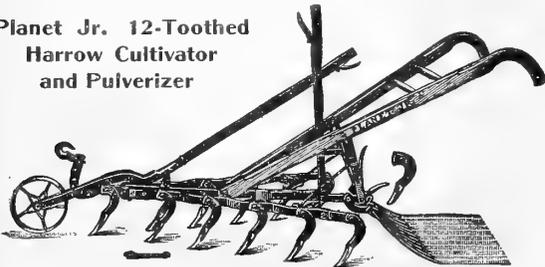
Planet Jr. Double Wheel Hoe No. 11.

With following attachments: One pair 6-inch hoes; one pair 4-inch hoes; two pairs hollow steel cultivator teeth; one pair plows; two 3-tooth rakes; two 5-tooth rakes; and two leaf lifters. Price, complete, \$8.50.

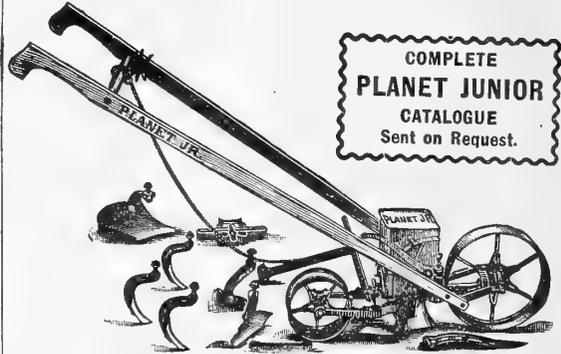
Planet Jr. Double Wheel Hoe—Plain, No. 13.

This is the same as the complete machine, except that it is furnished with a pair of hoes only. Price, \$4.25.

Planet Jr. 12-Toothed Harrow Cultivator and Pulverizer



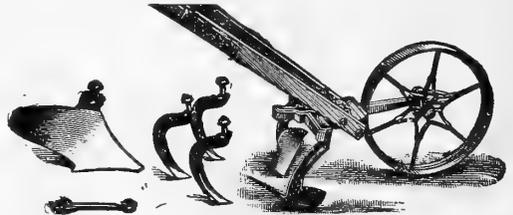
For thorough, fine work, without throwing earth on small plants, much valued by market gardeners. Price, plain, \$5.30; complete, \$8.00.



COMPLETE
PLANET JUNIOR
CATALOGUE
Sent on Request.

Hill and Drill Seeder and Cultivator Combined No. 4.

Sows and drops the same as No. 3. It is simple, durable, and very light running; thrown out of gear instantly and the flow of seed cut off, by simply raising the handles. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes one of the most admirable Single Wheel Hoes of the "Planet Jr." family. Price, \$10.00; as a Drill only, \$8.00.



Planet Jr. Single Wheel Hoe, Cultivator, Rake, and Plow No. 16.

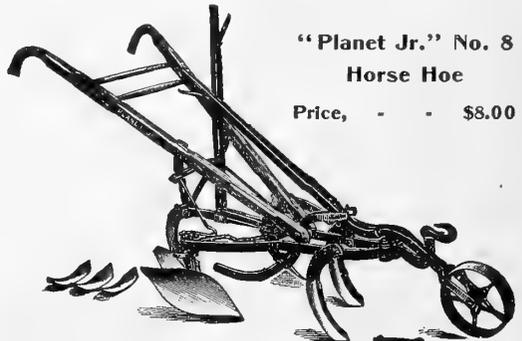
This single-wheel hoe is preferred by some. They are considerably lighter than the double, but do nearly the same variety of work. This machine has hoes, cultivators, rakes, and plow, and is capable of a great variety of combinations. Price, \$5.35.

Planet Jr. Single Wheel Hoe No. 17.

This machine is much the same as No. 16, with the exception that the rakes are omitted. Price, \$4.50.

Planet Jr. Single Wheel Hoe No. 18.

This tool has the same frame and handles as No. 16, but has one pair of 6-inch hoes only—the tools that are most constantly used during the season. Price, \$3.00.



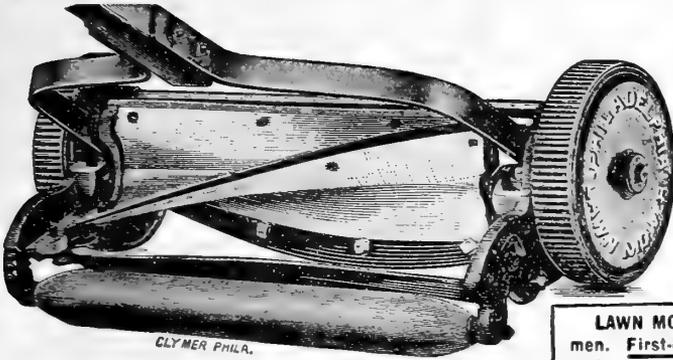
"Planet Jr." No. 8
Horse Hoe
Price, - - \$8.00

With all attachments, expanding lever; thoroughly first-class in every particular. Price, \$8.00.

The Genuine Philadelphia

LAWN MOWERS.

Full descriptive circulars mailed on application.....



CLYMER PHILA.
STYLE M.

MUCH good money is annually wasted in buying cheap and worthless Lawn Mowers. This can be avoided by purchasing a well-made machine, and if costing a little more at the beginning, it will save many times the difference in cost in a short time, and give endless pleasure. The PHILADELPHIA LAWN MOWERS have long ago established their reputation as the BEST. They are constructed on the most thorough mechanical principles, and on account of their simplicity and superior construction are more durable and less liable to get out of order, and will do better work than any other lawn mower made.

LAWN MOWERS SHARPENED AND REPAIRED by skilled workmen. First-class work guaranteed. Please send in your machine early. EXTRA PARTS KEPT IN STOCK.

HAND MOWING MACHINES.

STYLE A. Width of cut, 15, 17, 19 and 21 inches. Four blades (all steel.) Height of driving wheel, 10 inches. Will cut high grass. The simplest of its kind.

STYLE E. Width of cut, 15, 17, 19 and 21 inches. Has high ten-inch driving wheel, four blades, cylinder 6½ inches. Unlike all other Mowers, the driving wheel and cylinder can be removed, leaving a solid frame.

STYLE K. Width of cut, 14, 16, 18 and 20 inches. This Mower is made on correct principles with a single Pinion and Five blades. It does the finest kind of work and is the lightest running Mower made. For a first-class Mower it has no equal.

STYLE T. Width of cut, 14, 16, 18 and 20 inches. Four blades, open wiper, with wrought iron riveted cylinder. The blades are BOLTED TO CYLINDER. They can be replaced at small cost; In repairing, saves the expense of a complete cylinder. It combines all the improvements of the Philadelphia, running light and doing fine work.

STYLE M. Width of cut, 10, 12, 14, 16, 18 and 20 inches. This mower is for general purposes, very popular, and adapted for rough, uneven grounds, as well as the finest smooth lawns. This machine does excellent work, is easy to run and durable.

STYLE C. Width of cut, 15, 16, 18 and 20 inches. This style has been manufactured to fill the demand for a medium high lawn mower that has merit. It has all improvements with a four-blade open cylinder and 8½ inch drive wheel. It runs lightly, does fine work and is a valuable addition to the list.

A FEW NET PRICES.

A, 15 in.....	\$10.25	E, 15 in.....	\$ 8.50
17 ".....	11.35	17 ".....	9.50
19 ".....	12.50	19 ".....	10.50
21 ".....	13.75	21 ".....	11.50
K, 14 ".....	6.00	HORSE MOWER.	
16 ".....	6.75	Eagle, 30 in.....	\$65.00
18 ".....	7.35	35 in.....	80.00
20 ".....	8.00	40 in.....	95.00

THE ALL-DAY MOWER.

Width of cut, 14, 16, and 18 inches. Has 10-inch wheel, four blade cylinder, incased gears, noiseless ratchet. It will do good work, will last, with reasonable care for years, and is low priced. 14 in. \$3.50, 16 in. \$3.75, 18 in. \$4.00.

GENUINE PHILADELPHIA HORSE MOWING MACHINES.

These machines are intended for parks and large open grounds, and are constructed in a most thorough manner. They are designed to be what they have already proved themselves to be—THE BEST HORSE LAWN MOWER FOR PARKS OR LARGE LAWNS EVER MADE. They will be found on government grounds, public grounds and fine parks in all parts of the country. Made in two patterns, open or closed cylinder.

PONY. Width of cut, 25 inches. Light in weight and draft. Strong and durable. Will do efficient work on a lawn where there is much shrubbery and trees.

HORSE. Width of cut, 30 inches. Suitable for a light horse. Weight, 313 lbs.

HORSE—I. X. L. PATTERN. Width of cut, 30, 35 and 40 inches. This machine is intended for parks and very large lawns. It is constructed in the most thorough and substantial manner and never fails to give satisfaction.

HORSE BOOTS

IMPROVED QUALITY.
\$9.00 per set of 4



HORSE MOWER.

Genuine Philadelphia Golf Mower.

For the proper care of Golf Links it has been found necessary to build a machine having rapidly revolving blades, to insure a very close clip.

A Brief Description.

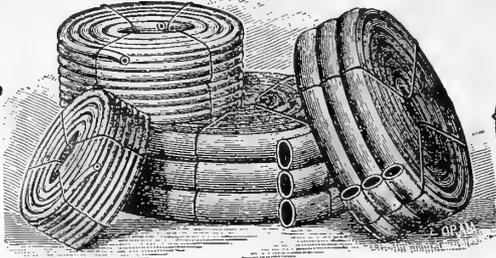
Eight blades; height of drawing wheel, 10 inches; diameter of cylinder, 7½ inches; train of three gears on one side of mower; either drawing wheel will work the mower. Various sizes. Send for special circular and prices.



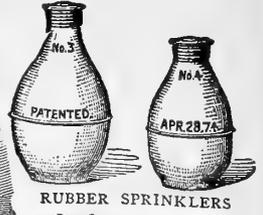
DIBBER.



PUTTY BULB.



Garden and Greenhouse Hose.



RUBBER SPRINKLERS



COOPER HOSE MENDER



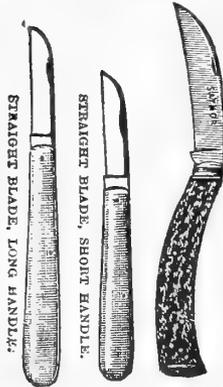
GARDEN LINE AND REEL.



GLAZING POINT.



Glass Cutter



STRAIGHT BLADE, LONG HANDLE.

STRAIGHT BLADE, SHORT HANDLE.



WATERS IMPROVED TREE PRUNER.

GARDEN TOOLS AND SUNDRIES.

PRICES GIVEN DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED.

BELLOWS. For applying powdered sulphur, 20-inch long, holds 4 oz. powder.....\$.75
24-inch long, holds 8 oz. powder..... 1.00
Jumbo Powder Gun. Each......20
DIBBER. For setting plants, iron..... .25
" wooden handle, steel point... .30

FLOWER POTS. Must go by freight.
2-inch. Doz.....\$.15 100..... \$.75
3-inch. "20 " 1.00
4-inch. "35 " 1.50
5-inch. "45 " 2.50

GARDEN LINE, braided, 100 feet, 65c.
" **LINE REEL.** Each, 50c.

GLAZING MATERIAL.

Mastica. For glazing greenhouses, sash, etc.: better than putty; does not crack, always remains soft. Gallon, \$1.25.

Twemlow's Old English Glazing Putty. Semi-liquid. Gallon, \$1.25.

Scollay's Putty Bulb. A useful tool with a tube for applying liquid putty. Each, post-paid, 95c.

Peerless Glazing Points. Carried in three sizes. No. 1 for small, single thick glass. No. 2 for larger, single thickness. No. 2½ for double thick glass and skylights. No trouble to insert and practically indestructible. No rights or lefts. Price per box of 1000, 60c; by mail, 75c; in lots of 5000, 55c. Not prepaid. Pincers to set same in place, each, 40c.

Grafting Wax, in bars, ¼ lb., 10c; ½ lb., 20; 1 lb., 30c. (Add 16c per lb. for postage.)

GRASS HOOKS OR SICKLES.

English, riveted back, the best. No. 0, 50c; No. 1, 55c; No. 2, 60c each.

American, plain back. Each, 15c.

HOES, Welded Dutch Scuffle. 6-inch, 60c; 7-inch, 65c; 8-inch, 75c.

HOSE, RUBBER, ETC.

We carry a special brand of guaranteed quality ¾-inch, 3-ply hose, in lengths of 50 feet. No less quantity supplied. Price, per 50 feet, with necessary couplings, \$7.50.

HOSE MENDER, Cooper's Brass. makes the hose as good as new. Each, 10c; doz., 75c.

HOSE NOZZLE, Gem. Will throw from full stream to fine spray. Each, 35c.

Rainmaker. For lawn sprinkling. Each, 60c.

INSECT DESTROYERS. See page 96.

KNIVES, Pruning, English. Each, \$1.50.

Budding. Short handle, \$1.15; long handle or double blade, \$1.25.

Asparagus, saw-tooth blade, \$1.00.

LABELS, Wooden. Painted, 4-inch, per 100 15c; per 1000, 75c; 6-inch, per 100, 25c; per 1000 \$1.50. **Tree Labels,** notched and brass-wired per 100, 20c; per 1000, \$1.00. Not prepaid.

MOLE TRAP, 'Olmsted's. Safe to handle; sure in action if properly placed. \$1.50.

LAWN ROLLERS, Hand or Horse. Made in one or more sections. These have weights within, which makes the handle stand upright.

Sec.	Diameter.	Weight.	Price.
1	20-inch.	165 lbs.	\$ 7.20
2	15-inch.	125 lbs.	5.85
2	20-inch.	300 lbs.	12.60
2	24-inch.	400 lbs.	16.20
2	28-inch.	550 lbs.	21.60

PLANT BED CLOTH.

Heavy Grade. Yard, 12c.	Light Grade. Yard, 5c.
By piece; yard, 10c.	By piece; yard, 4c.
Medium Grade. Yard, 8c.	Pieces contain from 40 to 60 yards.
By piece; yard, 7c.	

PLANT SPRINKLER, Rubber.

Indispensable for washing the foliage and sprinkling plants kept in the window in winter. Large, \$1.00; by mail, \$1.10. Medium, 75c; by mail, 82c. Small, 60c; by mail, 65c.

RAKES, Garden. Each, 35c.

Gibb's Lawn. This has thirty copper steel wire teeth. The head has a guard to prevent grass from falling over back. Each, 50c.

RAFFIA, Imported, Best Grade.

The best tying material for plants. It is now made use of in schools and elsewhere for the making of baskets and other articles. It is as soft as silk and will keep indefinitely.

Natural. ¼ lb., 10c; 1b., 25c. Not prepaid.

Dyed, in red, pink, blue, yellow, orange, green and black. ¼ lb., 20c; 1b., 75c. (Add 1c per oz. or 16c per lb., for postage.)

SAWS, Pruning, Double Edged. 65c.

The "Forest." Can be used as a hand saw or attached to a pole. \$1.35.

SCYTHES, English Lawn. Best scythe for a lawn; no trouble to keep sharp. 34-inch. \$1.25.

Honest Dutchman. 38-inch. Each, 60c.

SCYTHE STONE. Round Talaere. Each, 10c.

SHEARS OR SCISSORS.

Border. With wheel, \$2.25; without wheel, \$2.00.

Grass. Similar to sheep shears; imported, \$1.00.

Hedge. 8-inch, \$1.00; 9-inch, \$1.25.

Pruning. No. 33, iron handle, steel blades, 25c. No. 46, 9-inch, 50c. "Star," 8½-inch, 75c.

Wiss', solid steel, 9-inch, \$1.75; solid steel, 10-inch, \$2.00.



GRASS HOOK.



WEEDING FORK.



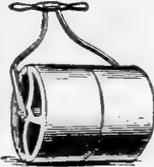
HAZELTINE'S WEEDER.



LANG'S Weeder.



"SOLID STEEL" PRUNING SHEARS.



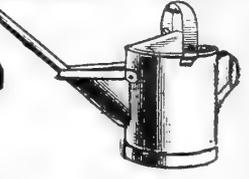
LAWN ROLLER.



COLUMBIAN TUB.



EXCELSIOR WEEDER.



WATERING POT.



STEEL TROWEL.

GARDEN TOOLS AND SUNDRIES.—Continued.

PRICES GIVEN DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

SEED SOWER, Cahoon's Broadcast.

A machine which can be handled with ease by an inexperienced person. It will sow all kinds of seeds much more evenly than can be done by hand. Will sow either light or heavy seeds. Price, \$3.00.



CAHOON SEED SOWER.

SYRINGES, Solid Brass.

For spraying or syringing plants in green-houses and conservatories. We carry in stock different sizes and qualities at prices from \$2.50 to \$6.00 each.

THERMOMETERS.

These we do not send out by mail.

Hot-Bed or Mushroom. Wooden frame; pointed brass bottom for plunging. Each, \$1.50.

Japanned Tin Case, serviceable, 8 in. Each 15 cents.

Long Distance. This instrument has very large figures and red mercury, making it easy to determine the temperature without close approach. Each, 15 cents.

Self-Registering. Indicates highest and lowest temperature. 8 in. porcelain face, including magnet. Each, \$2.75. Same instrument, wood face, each, \$2.50.

TREE PROTECTOR, Arndt. The best device yet invented for preventing the destruction of fruit and shade trees by creeping or climbing insects. It is a band of metal which can be easily adjusted to any tree. Packed in a neat box 20 ft. for \$2.00.

TREE PRUNER, Waters.

This is an excellent tool. It will cut limbs three-fourths of an inch in diameter. With 4 ft. handle, 50c; 6 ft., 70c; 8 ft., 90c; 10 ft., \$1.00; 12 ft., each, \$1.10. Extra blades for same, each, 20c.

COLUMBIA PLANT TUBS.

Suitable for Bay Trees, Azaleas, etc.

Made of tapered staves fastened with two steel wires. 12-in. diameter, each, \$1.00; 15-in., \$1.50; 18-in., \$2.00; 21-in., \$2.50. 24-in., \$3.00.

GARDEN TROWELS.

Forged Steel, No. 211. Blade and shank are one piece. 6 in., each, 35c; 7 in., 40c; 8 in., 45c.
Solid Steel, No. 212. A good, strong tool, well made and serviceable. 6 in., each, 25c.
English Pattern, No. 214. 6 in., each, 15c.
Neverbreak. Handle and blade in one, 10c.
Ladies' Flower Trowel. Each, 10c.
Transplanting. Good to set cabbage and strawberry plants. 6 in., 25c; 7 in., 30c.
Imported English. Best trowel made. 6 in., each, \$1.00; 7 in., \$1.15.

WATERING POTS.

Made of galvanized iron; long spouts

American. 8 quart capacity, each, \$1.90.

American. 10 quart capacity, each, 2.10.

American. 12 quart capacity, each, 2.30.

WEEDERS

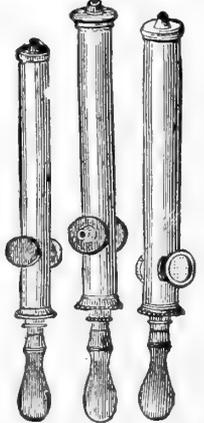
Excelsior. For weeding seed beds, etc. Each, 15c, by mail, 20c.

Hazeltine. Made of steel, has double edges, can be ground very sharp. Each, 20c, by mail, 25c.

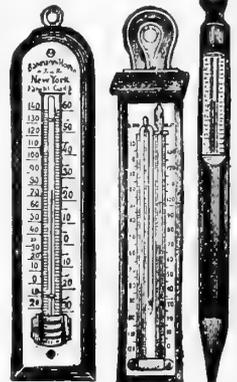
Lang's. A very useful little tool. Each, 20c, by mail, 25c.

WIRE HANGING BASKETS. 6-inch, 10c each; 8-inch, 15c each; 10-inch, 20c each; 12-inch, 25c each; 14-inch, 30c each.

WIRE PLANT STANDS. In various sizes and designs. If interested, write for circular.



BRASS SYRINGES.



THERMOMETERS

POULTRY SUPPLIES.

We are Chicago agents for **W. F. CHAMBERLAIN, The Perfect Chick Feed Man,** and carry nearly at all times complete stock of

Prices are f. o. b. Chicago. Buyer in all cases pays transportation charges.



CHAMBERLAIN'S PERFECT HEN FEED.
\$2.00 per 100 lbs.

PERFECT PIGEON FEED
\$2.50 per 100 lbs.

EVERGREEN CLOVER MEAL
\$2.50 per 100 lbs.

DESCRIPTIVE CIRCULAR SENT ON APPLICATION



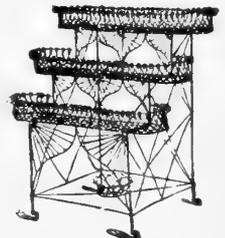
\$2.50 per 100 lbs.

CRUSHED OYSTER SHELLS

A handful given to the chickens daily will be found invaluable at all seasons of the year 5 lbs., 15c; 25 lbs., 25c; 50 lbs., 45c; 100 lbs., 65c.

GROUND BONE

Especially prepared for chickens. 50 lbs., \$1.75; 100 lbs., \$3.00



WIRE PLANT STAND

PERFECT CHICK FOOD

The best food for young chicks. If you desire to have healthy chickens order it early

\$2.50 per 100 lbs.

Fertilizers, Insect and Fungus Remedies.

THE INTELLIGENT and prosperous farmer of the present day is certain to be one who fully believes in and practices that excellent motto: "Feed the soil and the soil will feed you." Crops can not live and thrive on air and water alone. Their roots penetrate the earth and absorb therefrom the Nitrogen, Phosphoric Acid, Potash, or other elements of plant food they require. In some form these must be replaced, otherwise the land would eventually revert to that deplorable condition usually described as "worn out."

Chicago has long been recognized as headquarters for commercial fertilizers. The great slaughter houses at the stock yards furnish the raw material for manufacture. The Bone Meal obtained from this source is immensely superior to that made from dry bones gathered upon the western plains. We invite correspondence from every one interested in **CONCENTRATED MANURES**. We can save you money. We sell by sack, ton or carload. Special quotations on large lots.

FERTILIZERS.

BONE MEAL. Guaranteed pure bone. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50; 500 lbs., \$8.00; 1000 lbs., \$15.00; ton, \$30.00.

Crushed Bone. Coarse ground. Used around fruit trees, grape vine borders, and in the poultry yard. 50 lbs., \$1.75; 100 lbs., \$3.00.

BONE AND BLOOD. Just the thing where a high nitrogenous fertilizer is required. Its effects are prolonged and lasting. Recommended for Cabbage, Cauliflower, Corn, Grain; in fact all kinds of vegetation. For seed beds and garden plots apply broadcast at the rate of one or two tons per acre. When used in rows or in hills, one to two hundred pounds per acre will be sufficient. 50 lbs., 75c; 100 lbs., \$1.50; 200 lbs., \$2.80; 500 lbs., \$6.50; 1000 lbs., \$12.50; ton, \$24.00.

FARMERS' FAVORITE BRAND. Benefits all field crops, promotes maturity, and affords nourishment the entire growing season. It is used with the most beneficial results by Market Gardeners on Cabbage, Cauliflower, Celery, etc. Use 200 to 300 lbs. per acre. 25 lbs., 50c; 100 lbs., 90c; 200 lbs., \$1.75; 500 lbs., \$3.25; 1000 lbs., \$7.50; 1000 lbs., \$14.50; ton, \$28.75.

GARDEN VEGETABLE FERTILIZER. The effect of this fertilizer when applied to vegetables brings them into marketable condition from 10 to 14 days earlier, and increases the production from one-third to one-half. Excellent for Potatoes. 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.75; 500 lbs., \$9.00; 1000 lbs., \$17.50; ton, \$35.00.

Land Plaster. Excellent for composting, or mixing with guano. Bbl. (about 350 lbs.), \$2.25; 5 bbls. for \$10.00. Write for special price on large quantity.

LAWN FERTILIZER. Fine, dry, non-odoriferous. It may be applied any time during spring, summer or autumn, as the grass needs nourishment. 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

NITRATE OF SODA. A quick acting fertilizer for all crops. Should be applied broadcast and evenly. 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25.

Peruvian Guano. Guaranteed pure. A standard fertilizer. 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.75.

PULVERIZED SHEEP FERTILIZER. This is natural manure, dried, clean and easy to handle. Highly recommended for all purposes for which a fertilizer is required. Its effect is immediate and lasting. For lawns, use at the rate of 500 lbs. per acre. For pot plants, mix one part sheep manure to six parts of soil. For use in the vegetable garden, spread over the surface, and dig in. Being soluble, it readily makes a safe liquid manure (one pound to five gallons of water per day can safely be used). 10 lbs., 25c; 25



lbs., 60c; 50 lbs., \$1.00; 100 lbs., \$1.50; 200 lbs., \$2.75; 500 lbs., \$6.50.

Bowker's Plant Food. A preparation especially designed for pot plants. Results obtained from its use are rapid and vigorous growth and an increased yield of larger flowers. Small pkg., 15c; by mail, postpaid, 20c. Full size box, 25c; by mail, 40c, postpaid.

INSECT DESTROYERS.

Liquid Insecticides are not admissible to the mails.

Powders and soaps can be sent by mail if 15c per lb. be added to prices herein given.

Fir Tree Oil. Kills mealy bug, black and green fly, red spider, etc. Directions on bottle. Pint, 75c; quart, \$1.25.

HELLEBORE, Powdered, White. Destroys slugs, currant-worms, caterpillars, etc. Lb., 25c; 5 lbs. for \$1.00.

INSECT POWDER, Delmatian or Persian. Destroys ants, fleas and other insects. 1/2 lb., 40c; lb., 75c.

"ROSE LEAF" INSECTICIDE. A pure extract of tobacco, used by diluting with water. Pint, 80c; quart, 50c.

Nicoteen. A Liquid Insecticide. One of the most powerful and satisfactory in use. It is much more preferable than the crude tobacco extracts usually sold. Pint, \$1.50.

Nicoteen Aphis Punk. A special preparation of nicoteen, wood pulp and chemicals. When ignited the nicoteen is vaporized and kills caterpillars on trees and insects in greenhouses. Pkg. of 12 rolls 60c, not prepaid.

Nicoticide. A new, well recommended fumigating compound. 4 oz. (for 8000 ft.), 70c; 1/2 pint, \$1.25; 1 pint, \$2.50.

PARIS GREEN. A poisonous powder almost indispensable on the farm and in the garden. It prevents the ravages of potato and other bugs, slugs, caterpillars, worms, etc. Used either dry or in solution. 1 lb., 25c; 2 lb. can, 45c.

SLUG-SHOT.

One of the cheapest and most popular insecticides. It kills potato bugs, currant, gooseberry and cabbage worms, melon,

squash and cucumber bugs—in fact, every pest known to the gardener. Contains nothing in the least injurious. 5 lb. package, 30c; 10 lb. package, 50c; bbl. (225-260 lbs.), 4c/lb.



Slug Shot Duster. Tin, with handle and perforated bottom, holds 1/2 gallon. Each, 35c.

Tobacco Dust. Cheaper than snuff. A sure remedy for green fly. 1 lb., 10c (by mail, 25c); 5 lbs., 25c; 100 lbs., \$2.00.

Tobacco Soap. Most effective in cleansing plants and trees infested with red spider, scale and rose slugs. Box, sufficient to make 5 gals. of wash, 25c; by mail, 35c.

Tobacco Stems. For fumigating greenhouses, etc. Good to mulch Rose and Lettuce beds. 10 lbs., 50c; bbl., \$1.00; bale of about 250 to 400 lbs., 1c per lb.

Whale Oil Soap. Pure, fresh. Kills insects and their eggs; good wash for fruit trees. 2 lbs., 25c; 5 lbs., 50c, not prepaid.

REMEDIES FOR MILDEW, ETC.

Bordeaux Mixture. (Dry). For black rot, mildew of grapes, potato rot, leaf blight of cherry and other trees. Lb., 15c; postpaid, 30c.

Bordeaux Mixture and Paris Green. Kills bugs; prevents blight. Lb., 25c; postpaid, 40c.

Grape Dust. Preparation for destroying mildew, mould, or rust either in greenhouse or open air. 5 lb. package, 35c, not prepaid.

Powdered Sulphur. For destruction of mildew on roses, etc. Lb., 10c; 10 lbs., 60c.; 25 lbs., \$1.25; 50 lbs., \$3.00, not prepaid.



Spraying and Dusting Implements

THE use of sprayers and spraying compounds has become a recognized necessity in raising fruits and vegetables. The sprayer is as much of a necessity as is the fertilizer or any other part of the process of cultivation. Following and others can be supplied. If you do not see here what you want, write for information. Prices do not include transportation.

The Auto-Spray Pump

will do better work and do it easier than any similar article. The improved machine has the "Auto Pop" attachment, which doubles the efficiency by saving half the solution and labor. A few strokes of the plunger compresses air enough to cover a quarter acre of potatoes or similar crop.



Distributes Paris Green, Hellebore, Sulphur, or any DRY POWDER insecticide.

Price : \$7.50 complete.

Gould's "Pomona" Sprayer is very powerful, capable of supplying four leads of hose and eight nozzles. All working parts bronze. Hundreds of them in use. Pump and Agitator, \$15.00. Gould's "Premier" Bucket-Sprayer. All brass, hard rubber ball valves. Steady powerful stream—solid stream or spray at will. Price complete, \$6.00. Gould's Complete 1905 Spray Catalogue, containing Spray Calendar and Spray Formulas, for the asking.

Compressed Air Sprayer

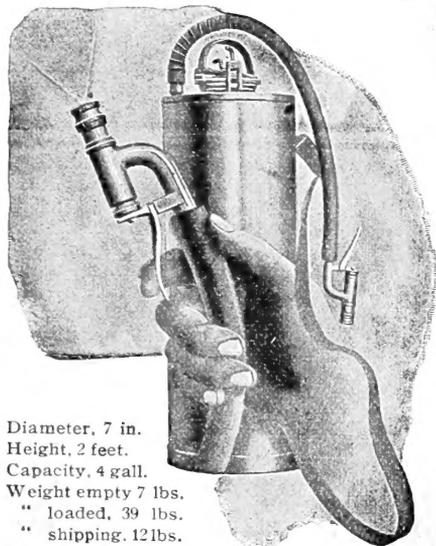
A churn-shaped machine made of galvanized iron thoroughly riveted; will stand high pressure. One filling will spray 400 hills of potatoes. By attaching a four-foot length of hose, spray can be thrown into the tops of fruit trees. Price :

- Fountain Sprayer..... \$4.50
- Fruit Tree Attachment .50

Leggett's Champion

Dry Powder Gun

Is 27 inches long with extra tubes for dusting trees, and holds one quart of powder. By turning the crank a fan is rapidly revolved, which forces a current of air through the tubes, that carries with it a small portion of powder.



- Diameter, 7 in.
- Height, 2 feet.
- Capacity, 4 gall.
- Weight empty 7 lbs.
- " loaded, 39 lbs.
- " shipping, 12 lbs.

Auto Spray No. 1, Our Net Prices:—

- Brass Tank with stopcock.....\$6.00
- " " with "Auto-Pop"..... 7.00
- Galvanized Tank with stopcock..... 4.50
- " " with "Auto-Pop"..... 5.50
- "Auto-Pop," supplied separately..... 1.25
- Extension Pipe, 2 ft. length..... .35

PLANT PESTS, PREVENTIVES AND REMEDIES.

PLANT.	ENEMY	PREVENTIVE MEASURES	REMEDIES
Bean.....	Weevil..... Pod Rust.....	Treat seed with carbon bi-sulphide, 1 oz. to 100 lbs. seed, for two hours in closed vessel. Avoid relation with melons, cucumbers or squash. Do not work when wet.	Spray with Bordeaux Mix, or dust with same.
Beet.....	Leaf Spot.....	Rotation. Burn all infested rubbish.....	Bordeaux.
Cabbage and Cauliflower.....	Club Foot..... "Worm".....	Rotation. Burn infested plants..... Kill the butterflies. Burn rubbish in fall.....	Lime. Pyrethrum (or buhach) powder.
Carnation.....	Red "Spider"..... Rust.....	Keep air moist. Spray with soap and water..... Clean stock. New soil.....	Spray often with Bordeaux.
Corn.....	Smut.....	Use seed from clean fields. Burn infested ears.....	
Cucumber.....	Mildew.....	Spray with ammoniacal copper solution.....	
Melons.....	Rust (see Beans)..... Striped Beetle.....	Stimulate to rapid growth by manure in the hill. Extra seed. Dust leaves and about stem (as soon as up) freely with tobacco dust.	
Squash.....	Borer.....	Trap moths by a lantern hung over a tub of water, having a little kerosene in it. Cover several joints of vine with earth.	
Currant and Gooseberry.....	Worm, Mildew. (See Cucumber).....	As soon as seen, spray with Paris green or London purple. Later with hellebore (dust or water).	Later with hellebore (dust or water).
Grape.....	Mold, Rot and Insects.....	Copper sulphate solution, later Bordeaux, later ammoniacal copper solution. Burn infested waste. Tie bunches in bags.	
Potato.....	Scab.....	Rotate. Treat uncut seed with corrosive sublimate solution, 1 oz. in 1 gal. boiling water; dilute to 16 gallons and soak 30 minutes. Spread to dry.	
	Leaf Blight..... Beetle..... Mildew..... Slug.....	Bordeaux.....	Dust or spray with poisons. Spray with copper solutions. Soap and water, hellebore.
Turnip and Radish.....	Maggot.....	Rotate. Wood ashes.....	
Many Plants.....	Flea Beetle..... Aphis; "green fly" or "louse".....	Ashes, plaster or tobacco dust..... Regular and frequent "smoking" or spraying with tobacco compounds.....	Poison when plants are young. Spray or dip in soap suds, tobacco solution or kerosene emulsion and rinse after.
" "	Cut Worm.....	Trap moths. Clean culture year before. Paper about stem.....	Balls of poisoned clover scattered about.
	Wire Worm..... Blister Beetles..... Scale Insects.....	Fall plow. Summer fallow. Trap beetles (see squash)..... Buy clean stock.....	Brush into pans of kerosene. When young wash and spray with soap and oil emulsions.
	Squash Bug..... White Grub.....	Hand pick or trap under pieces of branch. Burn litter in fall. Trap beetles. Fall plowing to expose.....	Kerosene or tobacco emulsion.

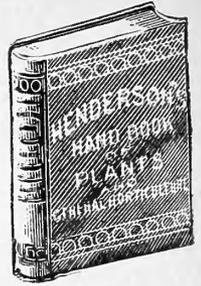
Descriptive circulars of **Sprayers, Powder Guns and Dry Insecticides** sent on application.



BOOKS OF REFERENCE

Mailed to any address in United States
Send your order and the price to us.

"There are two most valuable possessions which no search warrant can get at, which no execution can take away, and which no reverses of fortune can destroy; they are what a man puts into his brain—KNOWLEDGE, and into his hands—SKILL."—Hiram Sibley.



* Books so marked are in paper covers; all others are in cloth binding.

Alfalfa (Coburn) Its growth, uses, etc.....	\$.50
*Art of Propagation of Trees, Plants, etc.....	.30
Asparagus Culture (Hexamer). Advice on Planting, Cultivation, Harvesting and Marketing.....	.50
Broom Corn and Brooms.....	.50
Bulbs and Tuberous Rooted Plants (Allen)...	1.50
Cabbage, Cauliflower (Allen).....	.50
Corn, The Book of, (Myrick).....	1.50
*Dahlia, The (Peacock) Beautiful illustrations....	.30
Farmer's Cyclopaedia of Agriculture. An essential reference book for students and all engaged in farming. 800 large pages; beautiful illustrations..	3.50
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Grape Training, American (Prof. Bailey).....	.75
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Mushrooms, How to Grow Them (Falconer) A standard work on the subject.....	1.00
Nursery Book, The (Prof. Bailey). A complete guide to the multiplication of plants.....	1.50
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Prize Gardening. 350 pp New. Great Value....	1.00
Pruning Book. The (Bailey). Explains in detail..	1.50
Rhubarb Culture, The New (Morse). A guide to dark forcing and field culture.....	.50
Rose, On the (Parsons).....	1.00
Sugar Industry, The American.....	1.50
Spraying of Plants, The (Lodeman). Why, when and how to apply liquids and powders to destroy insects and fungi.....	1.00
Strawberry Cultivist. Illustrated. (Fuller).....	.25
Systematic Pomology (Waugh).....	1.00
Vegetable Gardening (Green). For amateurs and market men (In paper covers, 65c).....	1.00

Any other book can be supplied at publisher's retail price on short notice.

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Table of Carefully Prepared Cultural Information for the Latitude of Chicago.

Soil Preparation and Suitable Fertilizer.	Amount of Good Seed (Average size). Per acre Varies with distance.	To sprout well in the thermometer. Soil should read	Approximate date to plant seed.	Name of VEGETABLE	HOW TO BE PLANTED.			DEPTH to cover	THIN to ? Rich soil farthest apart	Time for Crop to mature under favorable conditions with season and soil.	APPROX. YIELD per acre with season and soil.
					Drills	Hills	Transplant				
South slope. Sandy loam, well manured the previous year.	24-32, quarts	75°	May 15 to June 15	Bush Bean	2-3 ft.	.....	2 in.	4 in. to 1 ft.	43-65 days.	75-120 bu. pods.
Warm, light soil. Manure in the hill with quick starter (blood or bone).	12-16 quarts	80°	May 15 to June 15	Pole Bean	.....	4 x 4	2 in.	3-4 plants.	65-70 days.	400-700 bu. dry beans.
Fine, clean sandy loam, deeply stirred, rich with well rotted manure.	5-7 lbs.	75°	Apr. 15 to Apr. 15	Beets, Early	12 to 18 in.	.....	1 in.	4 in.	65 days	400-700 bu., or 1000-1200 bu.
Not quite so rich, otherwise the same.	5-7 lbs.	75°	Mar. 15 to Apr. 15	Beets, Late or Field	2-3 ft.	.....	1 in.	6-8 in.	150 days.	15-70 tons.
Well drained, heavy loam. Plenty of manure. Top dress with sodium nit.	3000-5000 plants from seed bed.	70°	Apr. 15 to Apr. 15	Cabbage, Early	Seed bed	Set flats and open gr. d.	1/4 in.	.....	105 days.	8000 solid hds.
Less manure, but frequent, shallow culture. Nitrate of soda.	3000-5000 plants from seed bed.	70°	Mar. 15 to Apr. 15	Cabbage, Late	Seed bed or in field	2 ft. x 9 1/2" open gr. d.	1/4 in.	1 in a hill.	150 days.	5000 solid hds.	
Loam, deep, fine, and free from weed seeds, well rotted manure.	300-600 ft. 30 seeds to ft.	70°	Mar. 15 to Apr. 15	Carrot	18 in.	.....	1/4 in.	3 in.	150 days.	10-40 tons. 400-700 bu.
As with cabbage, but needs a moist soil, frequently stirred on top.	2 oz.	70°	Apr. 15 to Apr. 15	Cauliflower	Seed bed	Set into flats & open gr. d.	1/4 in.	.....	110 days.	5000-8000 hds.
Moist and very rich; fine and easy to work in "handling" the plants.	2 oz.	70°	Apr. 15 to Apr. 15	Celery	Moist seed bed	Shade to well up.	Shallow	Row 3-4 ft. 6 in. in row.	Season.	15000-20000 hds.	
Rather stiff, warm and rich, with quick acting (well rotted) manure.	50 ft., 3 grams to ft., 35 hills 6 to each	75°	May 1 to June 15	Corn Small and Early sorts	3 ft. or 2 1/2 x 2 ft.	.....	2 in.	9 in. in row, 3 to hill.	55-70 days.	1000-1200 doz. green ears.
Heavy, moist soil, with coarser manure, keep the surface well stirred.	60 ft., 2 to ft., 25 hills, 5 to hill.	75°	May 1 to June 15	Corn Large and Late	2-4 ft. or 3 x 3 ft.	.....	3 in.	1 ft. in row, 3 to hill.	80-100 days.	1100-1800 doz. green ears.
Fall plowed, or sandy loam. Warm exposure. Manure extra in hill to hill.	100 hills, 10 or 12 to hill.	80°	May 20 to June 20	Cucumber, Pickle	.....	5 x 5 ft.	2 in.	3-4 per hill.	46-60 days.	150000 fruit.
Warm soil and exposure. Very rich. Stimulate with liquid manure.	2-4 oz.	80°	June 1 to July 1	Egg Plant	Seed bed	3 x 3 ft. To young 8 needed.	Shallow	.....	150-160 days.	8000-10000 fruits.
Warm, light soil, rich with well rotted compost. Top dress with nit. of soda.	3 lbs. in drill, 1 1/2 lbs. use seed bed	70°	Mar. 15 to Apr. 15	Lettuce	12-24 in.	Transp. 1 1/4 x 1 1/2	1/4 in.	12 in. in row.	65 days.	1500-20000 food hds.	
Very warm and dry soil, fairly rich. Manure in hill to start quickly.	1-2 lbs., depends on size of seed.	80°	May 20 to June 20	Musk Melons	.....	6 x 6 ft.	1-2 in.	3 good plants.	120-140 days.	6000-10000 ripe melons.
Melons need a quick manure in hill, and later can feed on coarse material.	3-4 lbs., depends on size of seed.	80°	May 20 to June 20	Water Melon	.....	8 x 8 ft.	1-2 in.	3 plants.	120-140 days.	4000 ripe melons.
Fall plow, moist, very rich soil. Free from weed seeds. Stir surface often.	46 for bulbs; 40-100 for seed.	65°	Mar. 15 to Apr. 15	Onion	14-20 in.	.....	1 in.	3-4 in.	135-150 days.	500-600 bu.
Moderately rich, but light and warm. Use wood ashes or potash manure.	2-3 bu., as to size and distance.	65°	Mar. 15 to Apr. 15	Pea, Dwarf	36 in., double row	.....	2-3 in.	.....	40-55 days.	100 bu. pods.
Same—keep dust mulch by surface cultivation, moisture must be saved.	2 bu.	65°	Mar. 15 to Apr. 15	Pea, Climbing	4-5 ft.	.....	3-4 in.	.....	60-75 days.	150 bu. pods.
Deeply stirred, mellow soil, rich with well rotted manure.	300 ft. drill, 20 seeds to ft.	70°	Mar. 15 to Apr. 15	Parsnip	2-3 ft.	.....	1/4 in.	6 in.	Season	500-800 bu.
Sandy and well enriched. Quick acting manure (liquid form best).	150 ft. drill, 6 seeds to ft.	70°	Mar. 1 to Apr. 15	Radish	10-18 in.	.....	1/4 in.	1-3 in.	30-45 days.	.....
Any rich, well prepared soil. Dress with nitrate of soda.	10-12 lbs.	70°	Mar. 15 to Apr. 15	Spinach	12-18 in.	.....	1 in.	.....	.....	.....
Fall plowed soil, warm and well drained. Manure in hill to start quickly.	25-30 lbm, 10 seeds each.	85°	May 25 to June 25	Squash, Bush	.....	4 x 4 ft.	2 in.	plants to hill.	60-65 days.	70000-90000 fruit
Fall plowed sod, warm and well drained. Manure in hill to start quickly.	10-15 hills, 7 seeds each.	85°	May 25 to June 25	Squash, Running	.....	8 x 8 ft.	2 in.	3 plants.	125 days.	6000 ripe squash.
Well drained and warm. Not too rich for early sorts.	5000 plants.	80°	May 15 to June 15	Tomato	Seed bed	4-5 ft. Flats and ground each way	1/4 in.	.....	60-70 days.	8-16 tons.
New, sandy soil. No coarse manure. Ashes or potash salts good.	500 ft., 20 to a ft. 3 lbs. broadcast.	80°	July and August	Turnip	15-30 in.	.....	1/4 in.	3-12 in.	60-65 days.	600-1000 bu.

General Rule—Cover seed equal to four times the smallest diameter.

