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62.23
1908

Annual Catalogue

1908

SEEDS, BULBS, PLANTS



The W. W. Barnard Company

161-163 East Kinzie Street, CHICAGO

GARDENING

for pleasure is a delightful pastime and hobby to many men employed eight or more hours daily in office, store or factory. To hoe beans (in the manner shown in the illustration) is not a laborious task, but is in reality, recreation.

The spare minutes given each morning and evening to the care of the garden are conducive to good health, and will insure a supply of fresh vegetables for the family table from early spring until fall.

It is surprising how many vegetables can be grown upon a square rod of ground. If you never made a garden before, try it this year. If inexperienced in selecting varieties, order one of the collections named below.



◆ SPECIAL BARGAIN COLLECTIONS OF SEEDS. ◆



Here are fourteen choice annuals selected as best for bouquets:
Aster, Sweet Alyssum, Agathea, 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 Bells, 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'di, Pink Chinese, mxd., Poppy, double, Portulacca, mixed, Salpiglossis, mixed, Scabiosa, mixed, Stock, ten weeks, Sweet Peas, 1 oz., Sweet William, Verbena, mixed, Wallflower, mxd. Zinnia, mixed.

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

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.
 Radish—French Breakfast.
 Peas—Little Gem.
 Tomato—New Stone.
 Turnip—Purple top. Wh. Gl.

Beans—Ex. Early Refugee.
 Beet—Edmund's Bld. Turnip.
 Cabbage—Allhead Early.
 Cucumber—Siberian.
 Lettuce—Simpson's Curled.

50c. COLLECTION "B" 50c.
 TWENTY PACKETS PREPAID FOR FIFTY CENTS

Beans—Extra Early Refugee.
 Beans—Imported Golden Wax
 Beet—Edmund's Bld. Turnip.
 Cabbage—Allhead Early
 Carrot—Danvers Half Long.
 Celery—DwI. Golden Heart.
 Cucumber—Siberian.
 Sweet Corn—Minnesota.
 Lettuce—Simpson's Cured.
 Musk Melon—Netted Gem.

Water Melon—Phinney's early
 Onion—Prize Taker.
 Parsnip—Imp. Guernsey.
 Peas—Little Gem.
 Peas—Everbearing.
 Salsify—Mam. S. Island.
 Radish—French Breakfast.
 Tomato—New Stone.
 Turnip—P. Top. Wh. Globe.
 Radish—White Strasburg.

\$1.00 COLLECTION "C" \$1.00
 FORTY PACKETS, PREPAID FOR ONE DOLLAR

Beans—Extra Early Refugee
 " Imp. Golden Wax.
 " Henderson's B. Lima.
 Beet—Edmund's Bld. Turnip.
 " Long Dark Blood
 Cabbage—Early J. Wakefield.
 " Fottler's Brunswick
 Carrot—Danvers Half Long.
 Sweet Corn—Early Minnesota.
 " Country Gentleman.
 Cucumber—Siberian
 " Imp. Long Green.
 Egg Plant—N. Y. Purple.
 Endive—Green Curled.
 Kohl Rabi—White Vienna.
 Lettuce—Simpson's Curled.
 Leek—American Flag.
 Musk Melon—Netted Gem.
 " Osage.
 Water Melon—Phinney's Early.

Water Melon—Kolb's Gem.
 Onion—Yellow Gl. Danvers.
 " —Large Wethersfield.
 Pepper—Ruby King.
 Peas—Nott's Excelsior.
 " —Everbearing.
 Parsnip—Hollow Crown.
 Parsley—Double Curled.
 Pumpkin—Large Cheese.
 Radish—French Breakfast.
 " —Long Scarlet.
 " —White Strasburg.
 Squash—Warty Hubbard.
 " —Bush Scallop.
 Tomato—Acme.
 Turnip—P. T. White Globe.
 Ruta Baga—Am. P. Top.
 Spinach—Round Summer.
 Salsify—Mam. S. Island.
 Sage—Broad Leaved.

While we exercise great care to have all Seeds, Bulbs and Plants pure and reliable, we 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 be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

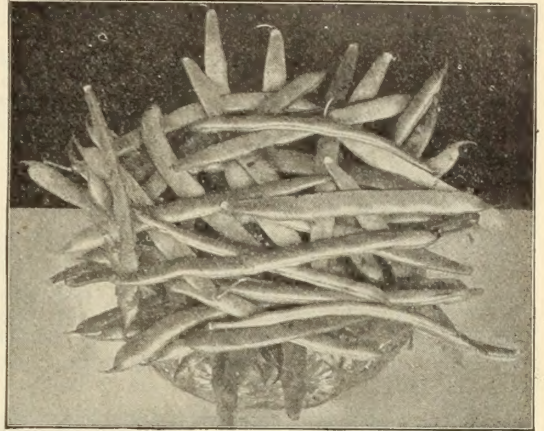
New Introductions and Selections of High Grade Vegetable Seeds

THE several vegetables described on this and following page are either new or improved varieties of older kinds. All of them have proven themselves to be meritorious and valuable. We can recommend them to all planters with full confidence.

General List of Vegetable Seeds Begins on Page 9.

ASPARAGUS, Bonvallet's Giant There is a great deal of Asparagus grown in and around Chicago. Of recent years this Giant variety has become a great favorite, as it not only combines high productive power and lasting quality, but it withstands the rust so frequently disastrous to Asparagus beds. Seed: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50. Plants: One-year-old, per 100, \$1.00; two-year-old, per 100, \$1.75. Postage required, 20c per 100 additional.

BEAN, Hodson's Green Pod An exceptionally strong and vigorous grower, free from rust and blight. It is an enormous yielder. Five quarts of seed produced 135 one bushel baskets of long, slender, round, green pods of first-class quality for table use. It is not an early sort, but will bear after other green pod beans are gone. Pkt., 10c; pt., 25c; qt., 40c; pk., \$1.65.



Barnard's Improved Danvers

CARROT

For many years the Danvers Carrot has been highly esteemed for its fine color. We have some choice seed which produces carrots of uniform shape, smooth and handsome in appearance. The flesh is deep orange in color, sweet and tender. This Carrot is adapted for field or garden culture and thrives upon all soils. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

CAULIFLOWER

Barnard's Snowball

Not only is this the best early variety, but it is superior to all others for fall use. It has stood the test of time, and stands unrivaled by any. Pkt., 25c; ¼ oz., 75c; oz., \$2.00.



DANVERS CARROTS

BEAN, Hodson Wax Pod

In its class it is fully as valuable as the Green Pod, both being distinctly market gardeners' beans on account of vigor and the healthy growth of foliage. Follows Davis' Wax or Wardwell's in season. Pods average 7 inches in length; color, a clear light yellow. They are brittle, tender and of pleasant flavor. Pkt., 10c; pt., 25c; qt., 40c; pk., \$1.65.

BEET, Crimson Globe While in new, this beet is really a valuable introduction. Of globe shape, with a smooth dark red skin, it proves attractive in appearance and profitable for market gardeners. The flesh is deep crimson in color, ringed and zoned. Not only desirable for bunching for early use, but good for main crop also, as it keeps well until spring. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

CABBAGE, Chicago Market We have yet to find a Cabbage more thoroughly adapted for general culture than this. Planted early, it develops fine solid heads one week later than Wakefield. When set out for a fall or winter crop, it stands the sun and forms large, solid heads, which keep well all winter. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

SWISS CHARD or Sea Kale Beet

This does not form edible roots like the regular garden beets. It is grown for the leaf stalks and these practically combine two kinds of vegetables. The young leaves, when cooked, are by some considered more delicious than Spinach. The broad, white leaf stalks, bunched and cooked like Asparagus, make a delicious dish for the table. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SWEET CORN, Golden Bantam

There are several varieties of yellow grained Sweet Corn. None of them appear to combine so many points of excellence as Golden Bantam. The stalks grow about 4 feet high and each produces two or three ears five to six inches in length—just right for table use. The kernels are sweet and delicious. It is early and suitable for planting in northern states. Pkt., 10c; pt., 25c; qt., 50c; pk., \$3.00.

CUCUMBER, Davis' Perfect

A really desirable and very valuable new variety. Its characteristics summarized are these: **Earliness, perfect form and shape; fine shipping qualities;** good for growing under glass as well as in the open air. Color, dark glossy green. Pkt., 5c; oz., 15c; ¼ lb., 40c.



CHICAGO MARKET CABBAGE

LETTUCE, Wonderful It produces large, heavy heads; is slow to run to seed and is a sure header, making a fine variety for all seasons. The outer leaves are pale green, the interior is creamy white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

MUSKMELON, Lewis' Perfection

Said to be the largest musk melon of fine quality. It has a dark green rind; firm, deep, orange colored flesh and a delicious flavor. Very prolific; a rampant grower; average weight from 8 to 13 pounds. A few days earlier than Osage. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

MUSKMELON, Burrell's Gem

An ideal shipping melon, in shape like Rocky Ford, but having golden flesh of sweet flavor. It has a tough, thin rind with well arched ribs, laced and netted. Seed cavity very small. Average weight about two and one-quarter pounds—twelve of the Gems fill the standard shipping crate. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



MUSKMELON, LEWIS' PERFECTION.

GOODWIN'S PRIZEWINNER PEA

The best all around early, sweet wrinkled pea. Matures about with early smooth sorts and is of better quality. The illustration shows the branching habit of one vine. Each pod contains 6 to 8 peas. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50.

PEA, Alderman An early main crop variety, producing long, deep green pods of the Telephone type, but more handsome and darker in color. Vines grow about 5 ft. high. Peas of large size, unsurpassed in quality. Pkt., 10c; pt., 35c; qt., 50c; pk., \$2.75.

PEPPER, Chinese Giant

The monstrous peppers are of thick, blocky form; color, brilliant glossy scarlet. The flesh is as sweet as an apple and unusually thick. Sliced and served like tomatoes it makes an excellent salad. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

RADISH, Crimson Giant

Its roots attain more than double the size of other forcing radishes, without getting pithy or hollow. Crimson Giant Radish develops roots of six to seven inches in circumference and over an ounce in weight, its pure white flesh remaining firm and crisp and of the mildest flavor. It varies as to form, some of the roots being round, others inclining to oval, but its beautiful deep crimson color is quite constant. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 80c.

THREE NEW TOMATOES

Chalk's Early Jewel An extremely early variety of brightest scarlet color, deep fruited and solid. Very few seeds. Excellent flavor. A grand variety for the table or exhibition. Pkt., 10c; oz., 40c.

June Pink In habit of growth it is similar to Earliana, branching freely and producing clusters of bright pink colored fruits. Fruit is medium in size, smooth, without cracks or green core. Pkt., 10c; oz., 40c.

Livingston's Coreless Offered this season for the first time. The fruit is almost round, being of the same diameter each way. Fruits of medium size, some of them quite large; color, a bright red. A grand good slicing variety, the seed cells being surrounded by heavy, meaty and delicious flesh. In packets only, each, 20c; 3 for 50c; 7 for \$1.00.



GOODWIN'S PRIZE WINNER PEA.

New Flowers of Great Beauty

All of Easy Culture, Insuring Abundance of Bloom

SOME improved and very desirable varieties of flowers which are not included in our general list are here brought to your attention. They are all very choice and well worthy a trial. We also give space to a few really good novelties which come to us from responsible growers. Descriptions of novelties in whole or in part are those of the respective introducers. Illustrations are made from photographs.

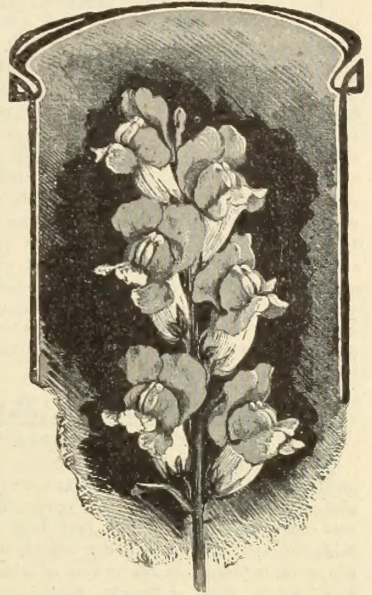


AGERATUM, BLUE STAR.

Ageratum

2022a. Little Blue Star. This is a new dwarf variety of compact habit, forming sturdy little oval bushes which are continually covered with large clusters of light blue flowers. Growing not over four inches high, this variety is useful and pretty for low garden beds in summer, or for pot culture in winter. Easily grown; comes into bloom from seed in a few weeks. Pkt., 15c.

2017a. Blue Perfection. A splendid dwarf, bedding sort. Dark blue. Pkt., 10c.



SNAPDRAGON DAPHNE.

Improved Varieties Sweet Alyssum

Almost everybody knows the old-fashioned Sweet Alyssum, so valuable for cutting on account of the fragrance of its flowers. These improved varieties are extremely dwarf in habit and therefore good for bedding.

2057a. Carpet of Snow. For edgings and bedding this is a superior variety. It is a perfect carpet of snow throughout the season, seldom growing more than three inches high. Upwards of 300 heads of snow white flowers open at one time have been counted on a single plant. Pkt., 10c.

2068. Little Dorrit. A great improvement over the excellent and well-known Little Gem, being much more compact in habit. Little Dorrit forms a perfect bush, covered with miniature white flowers. Pkt., 10c.

Antirrhinum (Snapdragon)

One of the finest cut flowers. Blooms in July if seed is sown early in house. Grows 18 to 24 inches high.

2934. Daphne. This comes to us from a noted German grower with this commendation: "Its flowers are deep carmine rose, the lower lip is suffused with white, and the throat pure white. This coloring in combination with dark green foliage renders this plant an excellent one for cut flowers. Pkt., 18c.

New Snapdragon. "Queen Victoria"

2038a. In this variety are combined elegant, finely-cut foliage with unusually large flowers of a brilliant white. The latter are borne in profusion on graceful flower stalks. Pkt., 5c.

Improved Snapdragons

These Produce Large Flowers Borne Upon Long Stems. Any Variety, Each, Per Pkt., 10c.

NO.	TALL.	NO.	DWARF.
2926	White.	2930	White.
2927	Carmine.	2931	Carmine.
2928	Coral Red.	2932	Pink.
2929	Deep Blue.	2933	Black Prince.

Hohenzollern Aster

This is an early fall Aster with very large flowers of substantial quality. The plants grow two feet tall or more and branch freely. The flowers are so large and have such long twisted petals that they are sometimes mistaken for Chrysanthemums. We can now offer in several colors and mixed. Each, Pkt., 10c.

2936	Light Blue.	2939	Dark Blue.
2937	Rose.	2943	White.
2938	Lavender.	2945	Mixed.



The Carlson Aster

On the Chicago cut flower market this variety for several years has held first place on account of the handsome form of its flowers. Plants are of branching habit, remarkably free from disease, wonderfully prolific, in bloom from summer until killed by frost. The seed offered by us was grown by the originator. Beware of low priced seed.

2199	White.	2434	Violet Blue.
2201	Light Pink.	2202	Lavender.
2439	Daybreak Pink.	2203	Mixed.
2200	Rose Pink.		Each, per Pkt., 10c.

The Crego Aster

are borne upon tall, stiff stems. The individual blooms are large and fluffy, of handsome form and attractive appearance. The first plant produced white flowers; it is expected more colors will be developed in time. At present can be supplied only as follows: 2221, Light Pink; 2221a, Rose; 2221C, White. Each, per Pkt., 20c.

Hercules Aster. A Grand White Variety

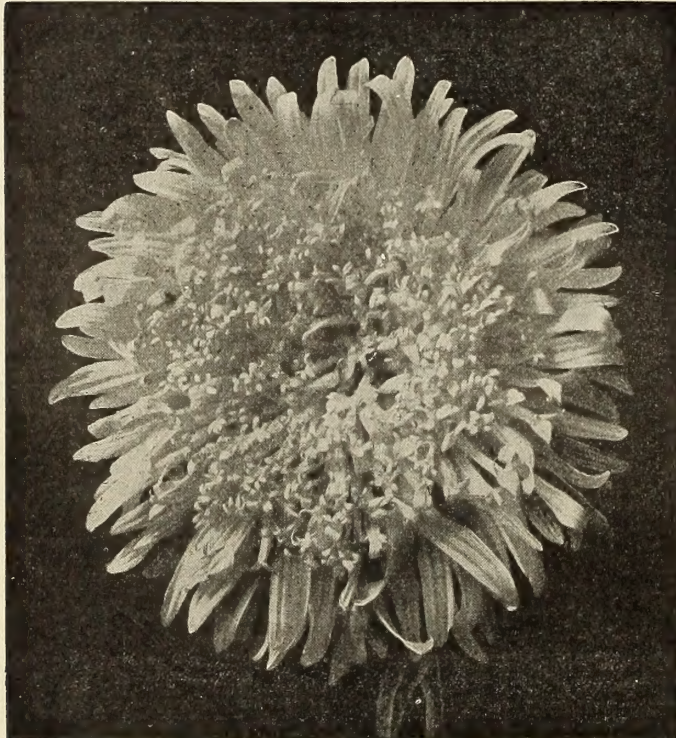
This exceptionally fine Aster has proven such a desirable variety that there is always a heavy demand for seed. To prevent disappointment we suggest early ordering. The originator says of it:

2265a. "Of imposing aspect, the plants throw up a strong stem, 15 to 20 inches high, which begins to branch about 4 inches from the ground and bears at its summit the main central flower, while on the side shoots appear 4 to 6 secondary blooms. The latter, borne on remarkably strong stalks, are all of the purest white, of the genuine Hohenzollern form, with very long petals, and attain the enormous diameter of 6, or with good culture as much as 7 inches—they may best be compared to the monster exhibition flowers of Giant Japanese Chrysanthemums. It is also worthy of note that the disk remains very small even in fading." It yields splendid flowers for cutting, and for exhibition purposes is superb. Pkt., 10c.

Giant Comet Aster

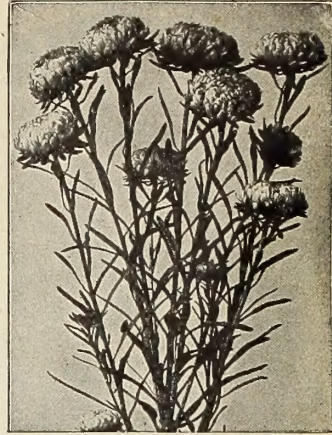
"TRIUMPH OF PARIS."

2226. That this handsome Aster will please a good many florists and amateurs as a cut flower, there seems little doubt. Of pyramidal habit, this new Aster grows 2 to 2½ feet high and produces large flowers, 4½ to 6 inches across, with long pure white outer petals, in the center of which the quilled disk florets form a bright golden yellow wreath. Pkt., 25c.



ASTER, TRIUMPH OF PARIS.

When almost all other Asters have ceased to bloom the Crego is found to be at its best. In ordinary seasons the flowers



Pearl Aster

2265. While especially valuable for cutting purposes, it is useful for bedding and for pots. The flowers are from 5 to 6 inches in circumference, and shaped like little balls. The plants, 20 inches high, are strikingly graceful, bearing about twenty flowers on slender stalks, 8 to 12 inches long. Thus far, three colors have been introduced: Rose, Rosy Lilac and Light Blue. We offer the seed mixed. Pkt., 10c.



AUSTRALIAN STAR FLOWER.

Upright Branching Asters

The plants grow about 30 inches high, and produce from 20 to 25 flowers, which are borne on stems from 20 to 24 inches long. Its upright habit admits of close planting and it will attain full growth when set only 15 or 16 inches apart. The growing of many plants in a small space is a decided advantage when room is scarce. 2946, White; 2948, Rose; 2949, Carmine; 2950, Purple; 2951, Mixed. Pkt., 10c.

Violet King Fine Form Beautiful Color

No. 2952. In form the flower is distinct from any other. Its petals somewhat resemble the quilled Asters, but are larger and broader: Season, midsummer to frost. The bloom is round, full and very large. The color a soft violet lilac. A fitting companion for Daybreak, 2194, pink; Purity, 2195, white; for cut flowers, unexcelled. Pkt., 10c.

Butterfly Runner Bean

(*Phaseolus multiflorus Papilio*)

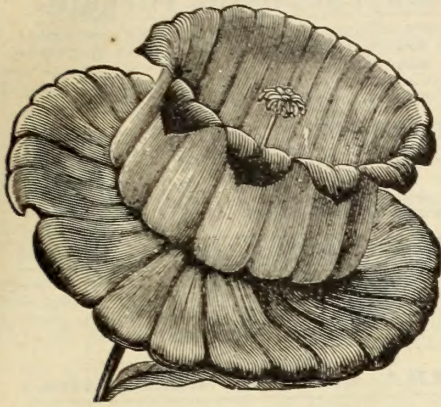
No. 2350. A new variety of the Scarlet Runner Bean, not only valuable as yielding a useful dish for the table, but important and desirable for brightening the garden far into the autumn. The flowers are distinguished by the pure white wings and scarlet standard; a most pleasing contrast. Pkt., 10c.

Australian Star Flower

(*Cephalopterum Drummondii*)

An annual which will grow in ordinary soil, but does best in a sandy loam. Sow the seed in the open ground; cultivate like Petunias. Full grown plants are a foot in height and breadth. The fragrant flowers are pink in color, sometimes varying to nearly white. The cut flowers retain their form and color permanently. Seed grown by Luther Burbank.

2378. Star Flower. Pkt., 15c.



CAMPANULA, CUP AND SAUCER.

CARNATION

Giant Margaret

2325. Without exception, these are the most abundant bloomers of all the Carnations. Those sown in spring commence flowering in early summer and continue to bloom until checked by frost. The flowers are of beautiful colors, ranging through shades of red, white, pink, variegated, etc. They are of large size, beautifully fringed and fragrant. Pkt., 10c.

PLUMED COCKSCOMB

(*Celosia Plumosa*)

A magnificent and valuable annual with long, feathery plumes of the richest colors, varying from pale yellow to the deepest crimson. Effective during summer and autumn. 1½ to 2 ft.

2372 Celosia, tall. Pkt., 5c.

2371 Celosia, dwarf. Pkt., 5c.

2373 Celosia, mixed. Pkt., 5c.

2377 Celosia Magnifica. An exceptionally fine strain, both for bedding and cut flowers. 5c.

Star Cineraria

(*Cineraria Radiata Hybrida*)

2385. A new form of a favorite house plant. The tiny flowers, in appearance something like our native Asters (Michaelmas Daisies), are produced in several distinct shades. The cut flowers will last for a week or more when placed in water. Mixed colors. Pkt., 20c.



CYCLAMEN.

Candytuft, Giant Hyacinth, Flowered

2314. Produces enormous spikes of bloom resembling a Hyacinth. Plants branch freely. When fully grown and in full bloom they present a handsome sight. Mixed. Pkt., 5c.

CAMPANULA (Blue Bells)

They are worthy a place in every garden, as they bear handsome, bell-shaped flowers in great profusion. Seed does not always come true to color. Seed saved from double flowers usually produces a percentage of single blooms. Hardy Biennials, 3 ft.

Campanula Media (Canterbury Bells)

2364 Single Blue. Pkt., 5c.

2364a Single White. Pkt., 5c.

2364b Single Rosea. Pkt., 5c.

2365 Single Mixed. Pkt., 5c.

2366 Double Blue. Pkt., 5c.

2366a Double White. Pkt., 5c.

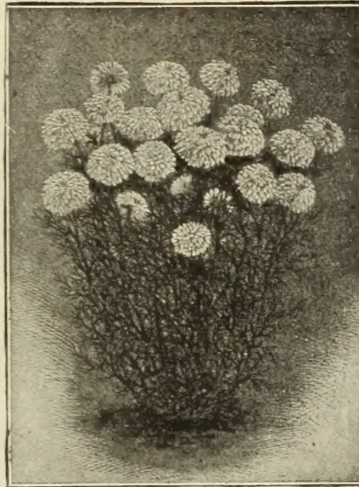
2366b Double Rosea. Pkt., 5c.

2367 Double Mixed. Pkt., 5c.

C. CALYCANTHEMA. (Cup and Saucer)

These Cup and Saucer varieties produce single flowers three inches in length, saucers three to four inches across. The plants form perfect pyramids of bloom bearing frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer.

Calycanthema. 2368, Blue; 2368a, White; 2368b, Rose; 2369, Mixed. Pkt., each, 5c.



Chrysanthemum, "Bridal Robe"

2455. It makes a bedding plant of the first rank. It is a perennial but blooms first year from seed. Of very compact and upright habit and not exceeding 10 inches in height, the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of extra double pure white flowers. Pkt., 15c.

CYCLAMEN

Beautiful plants for the window or greenhouse. Richly marked foliage and bird-like flowers. The strains we offer are from German growers of highest ability. For richness in coloring of flowers and for size of the blooms we unhesitatingly recommend Cyclamen.

2517 White. 2518 Rose.

2523 Brown Red

2522 Bright Red. 2524 Mixed.

Each, 5c.

Salmon, 10c.

ROKOKO CYCLAMEN.

A new and grand introduction. The blooms are nearly flat, beautifully fringed. In color they range from white to rose and dark red. 2516a, 10 Seeds, 35c.

VICTORIA CYCLAMEN.

One of the best novelties of last year. Its flowers are beautifully fringed and the coloration of the margin corresponds with that of the base of the flower, giving the entire plant a handsome appearance. 2493, Pkt. (10 seeds), 20c.

COSMOS

Giant Flowered

The most useful of all autumn flowers. It is a show in the garden and handsome in bouquets. Seeds should be sown early in May. The flowers of this strain measure from 4½ to 5 inches across. 2509, Red; 2510, White; 2511, Pink; 2512, Mixed. Each, Pkt., 5c.

DELPHINIUM

Or Perennial Larkspur

Vigorous, growing plants, with curiously cut leaves and beautiful flowers, in all shades of blue, from light to very dark.

2569. Elatum Hybridum. Semi-dwarf; 3 to 3½ ft. high. See illustration below. Pkt., 10c.

Chinese Larkspur

Grows 18 inches high; produces its flowers at every stem. 2706, White; 2707, Blue; 2708, Mixed. Each, pkt., 5c.



DELPHINIUM HYBRIDS.



FORGET-ME-NOT, "THE SYLPH."

Gypsophila, or Angel's Breath

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.

- 2111 *G. Elegans*. White, Pkt., 5c.
- 2112 *G. Paniculata*. White; perennial. Pkt., 5c.

Everblooming Balsam

2773. Sown indoors in March and set out at the end of May, the plants will bloom from June until frost. Each plant forms a bush about two feet high with large flowers ranging in color from pale rose to crimson. Valuable for pot culture and bedding out. Mixed colors. Pkt., 25c.

Order flower seeds by number and save writing out long names.

DIANTHUS Laciniatus Mirabilis

2613a. A new and distinct strain of annual pinks, from Japan. Their large double flowers, often three to four inches in diameter, are fringed in the most wonderful forms. Their colors vary from pure white to purplish red. The pinks furnish excellent material for bouquets, as they last a long time after cut. Pkt., 10c.

FORGET-ME-NOT, "The Sylph"

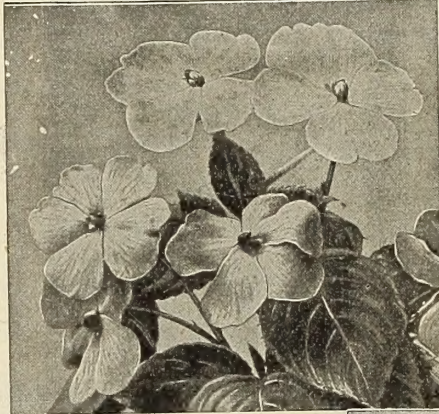
2674a. Plant is of dwarf habit with broad, shining dark green leaves. If seed is sown early, will bloom first season. It is a neat pot plant as well as an effective bedding variety. Its star-shaped flowers are silvery white. Pkt., 10c.

GLAUCIUM tricolor (Horn Poppy)

2705. A hardy annual which grows about 2 ft. high. Seeds are somewhat slow to germinate. If sown in open spring, will bloom same season. Its large, orange colored flowers, spotted with black and yellow, make a pleasing contrast with its grey green leaves. Pkt., 10c.

HEUCHERA cristata (micrantha)

2733. Anything sent out by Mr. Burbank is certain to be desirable. His description of this novelty is: "A beautiful perennial foliage plant with gracefully crimped and crested leaves, which no other plant possesses to the same extent. Its great panicles (2 to 3 feet long) of small white flowers, are an added charm. Comes true from seed, but varies slightly in the amount of cresting." Pkt., 10c.



EVERBLOOMING BALSAM.

KOCHIA trichophila

2719. A pretty half-hardy annual 2 to 3 feet in height, which grows into a perfect pyramidal-shaped cypress bush, with small feathery light green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. Excellent for edging or hedging. Pkt., 10c.

KUDZU VINE

JACK AND THE BEAN STALK.

2720. One of the most rapid growing climbers. From seed, the first year, will grow 8 to 10 ft. It will thrive where other plants would die. When well rooted, will grow 30 feet or more in one season. Its large, bright green leaves make a dense shade. Rosy-purple, pea-shaped flowers. Pkt., 10c.



KOCHIA.

LINARIA Excelsior

2801a. An annual of graceful habit, with miniature snapdragon-like flowers that, when cut, last a long time. The plants grow about fifteen inches high, bloom quickly from seed sown in the open ground or may be started indoors and transplanted. Many colors in mixture. Pkt., 15c.

MECONOPSIS California

2917. Mr. Luther Burbank says this: "A rare, graceful, slender California flower. Easily grown from seed. Annual, 2 feet. Flowers an unusual 'burnt orange' color. Seed from my selected strain." Pkt., 10c.

NICOTIANA Sanderae

3041. This new plant is a hardy annual of bushy, branching growth, 2 feet high, bearing large carmine flowers during summer and fall. Pkt., 10c.

3040. Collection of 8 varieties, separate, purple, white, pink, light and dark red, crimson, violet, salmon. The collection, 35c.



LINARIA.

New Giant PANSY

3304. **Andromeda.** All the giant flowered Pansies—even "Psyche" (see page 63)—are surpassed by this beautiful flower. It is sure to be a favorite with all lovers of Pansies. Its color is a delicate apple blossom, generally showing a soft, lavender blue, rendered effective by dark veins. Pkt., 10c.

New Double Large Flowered PETUNIAS

2975. **Dark Crimson.** The flowers of this grand novelty are very large. In the illustration one is shown in one-half natural size. Each bloom is perfectly double and of the richest coloring. Of all the purposes it may be used for, it makes the best effect cultivated as a pot plant. Pkt., 50c.

2956. **Empress.** Its flowers, which are of handsome form, perfectly double, are considerably larger than those of any other variety in commerce. It makes a fine, showy pot plant. The coloring is peculiar: delicate lilac-rose, prettily striped and blotched cream. Pkt., 50c.

New Single Large Flowered PETUNIAS

Every lover of Petunias will be interested in these very choice novelties. All of them belong to the large flowered, fringed class of which the illustration conveys an idea.

2958. **Canary Bird.** In this variety hybridizers have at last obtained that which has been sought for years—a Petunia with distinct and clear yellow flowers. This and its finely fringed blooms make it very desirable. Pkt., 25c.

2959. **Rheingold.** In size and form similar to Canary Bird, except in color. The widely open throat is golden yellow, without veins or netting; the outer margin is white. Pkt., 25c.

2963. **Quadricolor.** Its bright red rose flowers are veined for two-thirds of their surface with net work. As shown in the engraving, many of the blooms show five yellow rays in the center. Pkt., 25c.



PETUNIA, DOUBLE DARK CRIMSON.



PETUNIA, QUADRICOLOR.

2998. **POPPY, "Admiral."** A beautiful single variety, having large, round, smooth edged flowers, pure white in color, edged with a broad band of bright scarlet on the margin. It makes a fine effect when planted in groups. Pkt., 10c.

2997. **POPPY. The Shirley.** This seed is the celebrated "Santa Rosa" strain, said to be the best and most varied in existence. 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. Pkt., 10c.

3471a. **LUDBECKIA fulgida.** Valuable for planting among shrubbery; grows 2 to 3 feet high. A fine hardy perennial. Produces showy, orange yellow flowers in August and September. Pkt., 10c.



SALPIGLOSSIS, EMPEROR.

CALIFORNIA POPPY ("Eschscholtzia") ("Dainty Queen")

2850. This beautiful flower is well named, its color being a dainty coral pink which deepens toward the edges. Sow seed where plants are to bloom. Pkt., 20c.

New Star Primula (Primula stellata)

3500. During recent 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 the same cultural treatment as for Chinese Primrose. The cut flowers remain fresh in water for many days. Pkt., 25c.

Salpiglossis Hardy annuals which grow to a height of 18 inches or more. As pot plants they are elegant and beautiful; the cut flowers are greatly prized for vases and bouquets. In beds and borders the rich coloring of the flowers at once attracts the eye.

3543. **Emperor.** An extremely large flowering variety, of branching habit (see illustration). The funnel-shaped flowers are beautifully penciled with gold and other colors. Mixed. Pkt., 10c.

Salpiglossis, Emperor, in separate colors:
 3544. Black, 10c. 3544a. Purple brown with gold, 10c.
 3544b. Lilac, with gold. Each Pkt., 10c.

TWO NEW SALVIAS

The Scarlet Sage, so called, is one of the most beautiful and easily cultivated bedding plants. The following two recently introduced varieties are exceptionally fine.

- 3519a. Fireball.** A dwarf, early flowering sort, having very erect spikes of brilliant scarlet flowers a foot or more in length. When fully developed, the dark green foliage is almost entirely hidden by the great mass of bloom. Recommended for pot culture and for bedding. Pkt., 25c.
- 3511a. Zurich.** Said to be the best of the Scarlet Sages. It is more compact than Fireball, somewhat earlier, and blooms with equal freedom. As it grows only a foot high, it is suitable for pot culture. Pkt., 25c.

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of various colored flowers; desirable for garden or greenhouse.

- 3549. Grahani.** Snow-white flowers and bright green; finely cut foliage. Fine for bedding and bouquets. Pkt., 15c.
- 3550. Wisetonensis.** The plants are covered with myriads of blooms, the ground color of which is white dotted with delicate rose, with a large spot on the upper lip varying in shade between golden-yellow, carmine, rose and light brown. The seed we offer is from Burbank. Packet, 10c.

SINNINGIA REGINA HYBRIDA

- 3597.** 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.

SILENE (Catch Fly)

- 3598. Pendula compacta.** An annual which forms round, compact bushes not over six inches high. They bear single and double flowers in these colors: White, red and rose. Seed may be sown in spring, or in fall, to bloom early the following year. Pkt., 5c.

COSMOS, Lady Lennox

Plants grow 6 to 7 feet high. Each flower attains the enormous diameter of 6 to 7 inches. Color, shell pink. One of the best novelties of this season. Pkt., 25c.



SALVIA FIREBALL

NEW WINTER STOCKS

Experiments have proven that from seed sown in February or March, blooming plants may be had in four months, and in little more than half that period if sown in summer. These stocks, when cut, last a long time. **3573. Beauty of Nice,** flesh pink; **3579. Crimson King;** **3578. Queen Alexandra,** rose lilac. Each, pkt., 25c.

NEW SWEET PEAS

The Orchid flowered class with their extraordinary large blooms are quite distinct from ordinary Sweet Peas in that they usually are borne three or four blossoms to the stems. We have room to briefly mention the choicest ones of most recent introduction.

Price, except noted: Pkt., 10c; oz., 20c.

- Countess Spencer.** A lovely, clear pink.
Gladys Unwin. Pale rose pink. Long stemmed, early, and a splendid cut flower.
Helen Pierce. White and mottled blue.
King Edward VII. Crimson scarlet; large and fine.
John Ingman. Carmine rose, veined deeper.
White Spencer. Absolutely pure white, enormous flowers. The illustration shows one in exactly natural size. The standard is crinkled and fluted and the wings closely folded. One of the best novelties of this season. Seed extremely scarce. Pkt. of 10 seeds, 15c.

WINTER BLOOMING WALLFLOWER

Kewensis. Valuable on account of its blooming from November until spring from seed sown in July. The black-brown buds open into flowers of delicate yellow and turn to an orange color. Pkt., 25c.

ZEA (Japanese Striped Maize)

3676. Grows 5 to 6 feet high. Has ornamental foliage, the leaves being very long and 2 to 3 inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green. Pkt., 5c.



SILENE PENDULA



A Single Flower of the New
WHITE SPENCER
 Exactly Natural Size

**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., \$1.15; bu., \$4.00.

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., \$1.15; bu., \$4.00.

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., \$1.15; bu., \$4.00.

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., 40c; pk., \$1.25; bu., \$5.00.

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., \$1.15; bu., \$4.00.

REFUGEE, or 1000 to 1. One of the best early sorts; bears profusely beans of good quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.15; bu., \$4.00.



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., 40c; pk., \$1.25; bu., \$4.50.

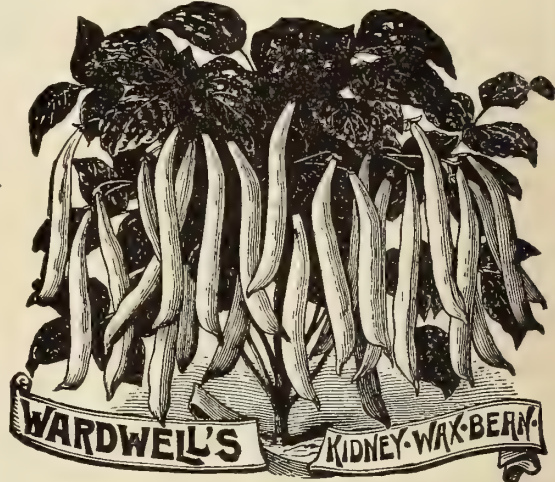
Black Valentine Bean.

AN EXTRA EARLY Green Pod Bean. An enormous crop-per. It produces large pods that are tender and delicious in quality. A good bean to force as well as to use for late planting. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.25; bu., \$5.00.

Davis Kidney Wax Bean.

The BEST Bean for Market Gardeners and Cannery.

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., 40c; pk., \$1.50; bu., \$5.50.



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., 40c; pk., \$1.50; bu., \$5.50.

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., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

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., 40c; pk., \$1.60; bu., \$6.00.

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., 25c; qt., 40c; pk., \$1.60; bu., \$6.00.

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., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

Prolific German Black Wax. Golden pods. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

Jones' Stringless Wax Bean.

A new round pod, white seeded variety. Beans are excellent, either green or dry. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

REFUGEE WAX.

Pods handsome, round, transparent yellow, remaining tender long. A great drought and rust resister. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

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., 25c; qt., 40c; pk., \$1.60; bu., \$6.00.

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., 25c; qt., 40c; pk., \$1.60; bu., \$6.00.

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., 25c; qt., 40c; pk., \$1.60; bu., \$6.00.



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.

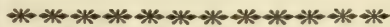
A very prolific sort, producing its long pods in large clusters. One of the best green podded pole beans for the market gardener. Pods nine inches, or more, in length; nearly round, fleshy and very showy. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.65; bu., \$6.00.

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., 25c; qt., 40c; pk., \$1.50; bu., \$5.50.

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., 25c; qt., 40c; pk., \$1.65; bu., \$6.00.

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., \$1.65; bu., \$6.00.

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., 10c; 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., 25c; qt., 40c; pk., \$1.60; bu., \$6.00.

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., 15c; qt., 30c; pk., 85c; bu., \$3.25.

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 Horticultura'. Late; productive and much esteemed for good quality of the beans. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.40; bu., \$5.00.

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., 25c; lb., 75c.

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.

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, glowing red. Flesh, fine grained. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

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., 60c.

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.

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

A. F. O.

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

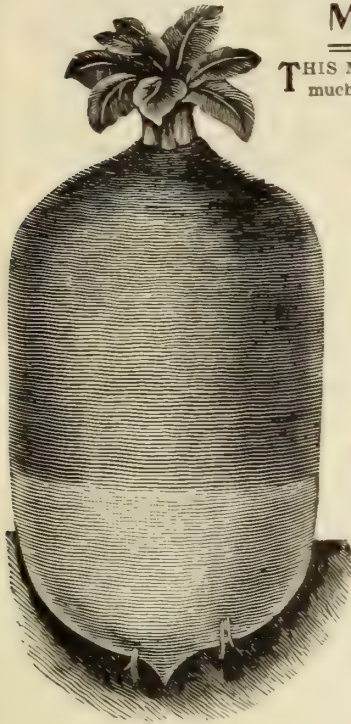
To any Post Office, Railroad Express Office or Station, at our option,

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., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

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; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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 solidness. For garden or market use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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; $\frac{1}{4}$ 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; ¼ 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.

Selected Late Flat Dutch.

WE know this to be as fine a strain as ever offered. It grows very large, is remarkably hardy, a sure header, uniform in shape, size and color. Few varieties can approach this for superior quality. Market gardeners grow this very extensively for a late crop. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.



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; ¼ 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; ¼ lb., 85c; lb. \$3.00.

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., 25c; ¼ lb., 85c; lb., \$3.00.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety, also a good shipper. Pkt., 5c; oz., 15c; ¼ 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; ¼ 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., 25c; ¼ lb., 85c; lb., \$3.00.

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; ¼ 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; ¼ 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.

HALF LONG SCARLET, Pointed. Much used for bunching, especially when young; of fine quality, medium early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

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.

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.

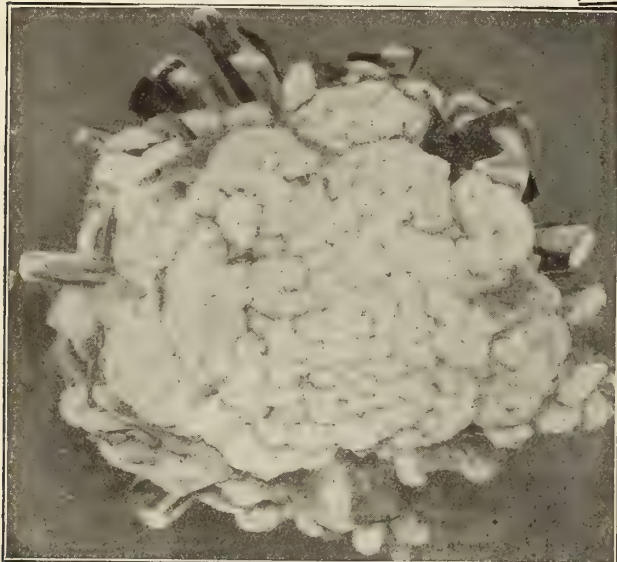
FOR main crop and for every purpose except for first early, or for culture under glass (for which we recommend the Extra Early Dwarf Erfurt) we emphasize BARNARD'S SNOWBALL as a variety of highest quality and reliable, sure cropping strain. Pkt., 25c; $\frac{1}{4}$ oz., 75c; oz., \$2.50.

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.

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



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 CULTURE," 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.

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., 20c; $\frac{1}{4}$ lb., 50c.

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., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.



CELERICAC.

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., 30c; $\frac{1}{4}$ lb., \$1.00.

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., 20c; $\frac{1}{4}$ lb., 60c.

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., 20c; $\frac{1}{4}$ lb., 50c.

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., 20c; $\frac{1}{4}$ lb., 50c.

We can furnish the following well-known sorts at Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40. **Giant White Solid; Dwarf Golden Heart.**

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., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.



EVANS' TRIUMPH CELERY.

A Profitable
CELERY
for Market
Gardeners.

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., $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Large Smooth Prague. Pkt., 5c. oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

COLLARDS

Form of cabbage grown in the Southern States. One ounce of seed will sow 300 feet of drill.

Georgia. A mass of leaves on a tall stem, which in the South grow all winter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Celery Culture

By W. R. Beattie

The work is complete in every detail, from sowing a few seeds in a window-box in the house for early plants, to the handling and marketing of celery in car-load lots. Fully illustrated. 150 pages. 5x7 inches. Cloth. \$0.50.

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

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.

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.



CHIVES



CURLLED 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;

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. **MA**

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., \$1.25; bu., \$4.50.

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., \$1.25; bu., \$4.50.

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., \$1.25; bu., \$4.50.

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., \$1.00; bu., \$4.00.

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., \$1.00; bu., \$4.00.

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., \$1.00; bu., \$4.00.



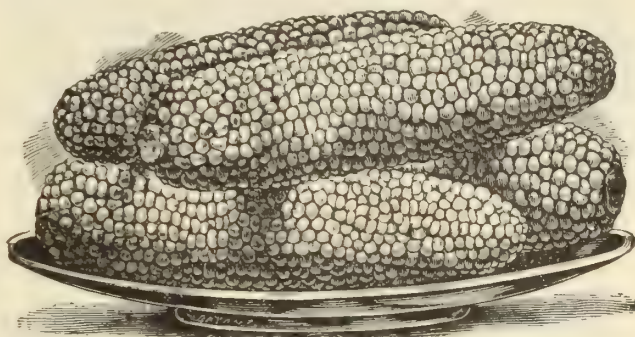
EARLY CHAMPION.

The Earliest LARGE Sweet Corn.

PRODUCES 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., \$1.00; bu., \$4.00.

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., \$1.50; bu., \$5.50.

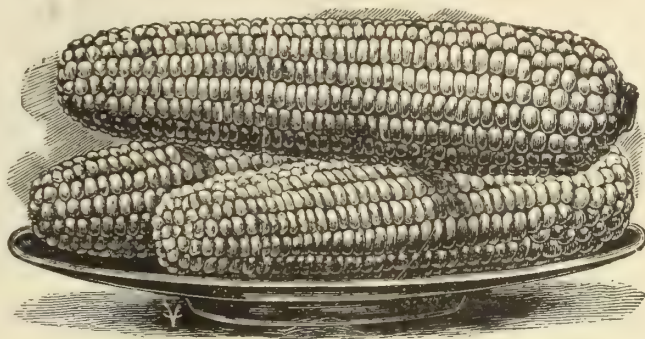
PERRY'S HYBRID. Nearly as early as Minnesota, with larger ears, twelve to fourteen rowed, averaging two ears to the stalk. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.25; bu., \$4.50.



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., 20c; qt., 35c; pk., \$1.50; bu., \$6.00.

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., \$1.25; bu., \$4.50.



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., 20c; qt., 35c; pk., \$1.50; bu., \$6.00.

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., 35c; pk., \$1.50; bu., \$6.00.

Mammoth Sugar. Late. Rank growth. Ears large and sweet. Pkt., 5c; pt., 15c; qt., 30c; pk., \$1.25; bu., \$5.00.

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., \$1.25; bu., \$4.50.

ZIGZAG EVERGREEN. Has larger ears than Stowell's Evergreen. Desirable for canning factories. Pkt., 5c; pt., 20c; 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.

No garden can be considered as complete unless a few hills of cucumbers are included. The fruit gathered daily fresh from the vines is incomparably superior to the wilted specimens usually obtained in the markets.



DAVIS' PERFECT CUCUMBER.

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., 30c; lb., \$1.00.

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.

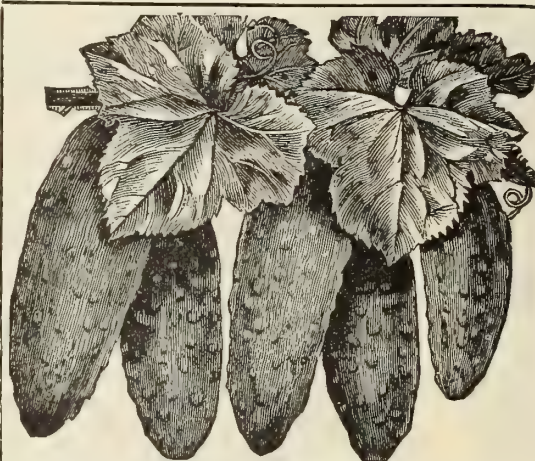
Nichol's Medium Green. Is good for early forcing, and for slicing and pickles. Color dark green, flesh crisp and tender. Some pickle growers think this is the best variety for the purpose. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

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.



WESTERFIELD'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.

HERBS-- POT, SWEET AND MEDICINAL.



CATNIP.



SAGE.



SWEET MARJORAM.



SUMMER SAVORY.

DANDELION.

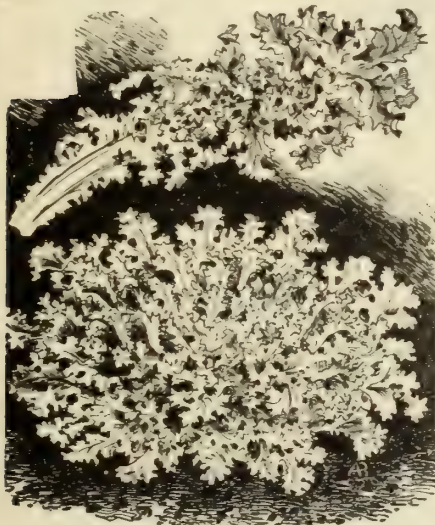
Excellent for greens; considered very healthful. Pkt., 5c; oz., 20c.

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., 40c; 1/4 lb., \$1.20.

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; 1/4 lb., 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; 1/4 lb., 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. 1/4 lb., 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.	1/4 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.....	5	15		
Fennel. Seeds for flavoring; leaves for garnishing.....	5	10		
*Horehound. Has medicinal qualities.....	5	20		
Hyssop. Used in medicine.....	5			
*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; 1/4 lb., 80c; lb., \$2.75.

EARLY WHITE VIENNA. Flesh is white. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

EARLY PURPLE VIENNA. Rich purple. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

LEEKs.

LONDON FLAG. Hardy; of good quality; the whole plant is edible. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1.00.

Musselburg. A good sort; broad, dark leaves. Pkt., 5c; oz., 10c; 1/4 lb., 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; 1/4 lb., 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

BLACK-SEEDED

SIMPSON.

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.*

Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Prize Head.

For general use no Lettuce has ever given such universal satisfaction. It forms a large 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., 30c; lb., \$1.00.

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., 30c; lb., \$1.00.

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.

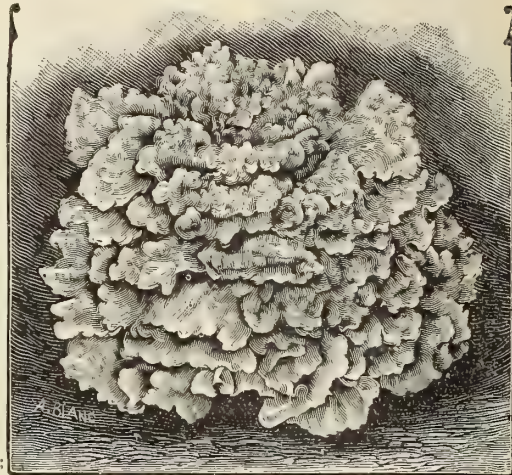
Makes a large, handsome, crisp head, conical in shape, tightly folded and well blanched; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during our hot summer months. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

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., 30c; lb., \$1.00

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., 30c; lb., \$1.00.

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., 30c; lb., \$1.00.

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.



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. 30c; lb. \$1.00.

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., 30c; lb., \$1.00.

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.



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.

"PAUL ROSE" MUSK MELON.

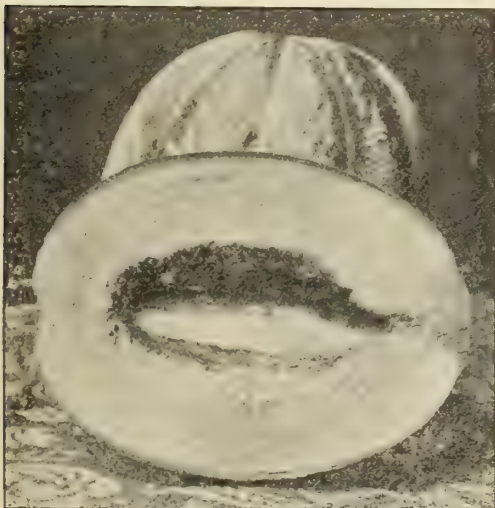
When First Marketed was Called "Petoskey."

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 home table nothing better could be desired or obtained. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

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. P."



MUSK MELON, "PAUL ROSE."

**SWEET AND
DELICIOUS**

WATERMELONS

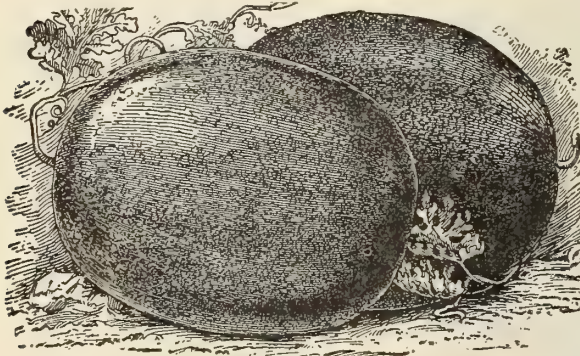
The **BEST** Varieties for
Market or Home Use.

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.

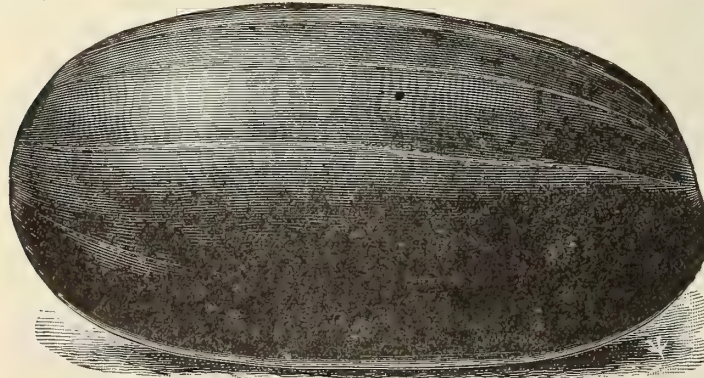
Triumph. It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance of the former and the shipping qualities of Gem; **very early**, prolific, deliciously sweet, and of enormous size. It possesses all the qualities that go to make up a desirable melon. Pkt., 5c; oz., 10c; $\frac{1}{4}$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

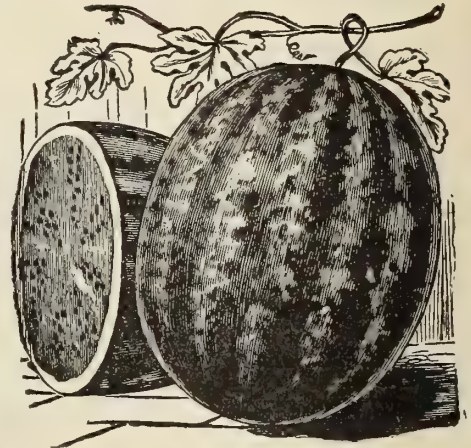


SWEET HEART

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 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 heart 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.



COLE'S EARLY.

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.

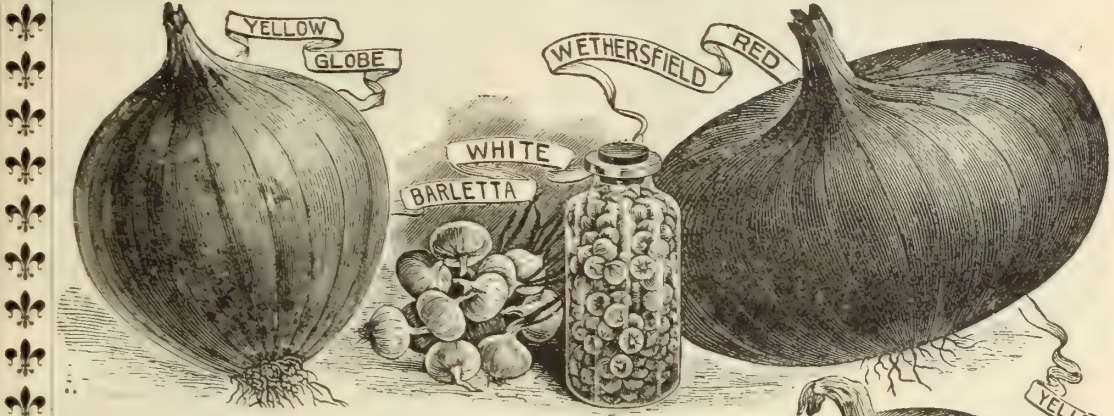
BARNARD'S SUPERIOR ONION SEED.

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 an 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. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., \$2.50.

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., 15c; ¼lb., 55c; lb., \$2.00.

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., 75c; lb., \$2.50.

Australian Brown.

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., 15c; ¼lb., 45c; lb., \$1.75.

A Popular and Valuable Sort.

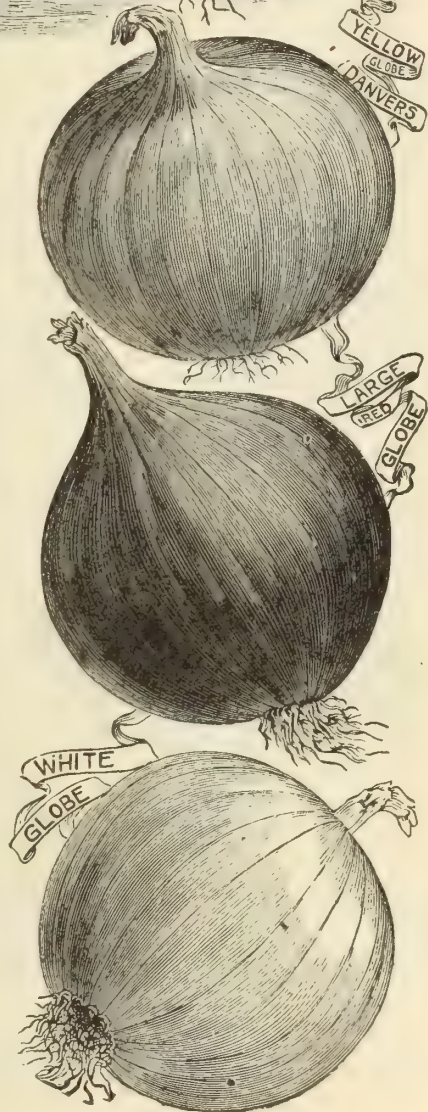
The onions from this strain of seed ripen early all at once. They are

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.

Michigan Yellow Globe

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., \$2.25.



**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.

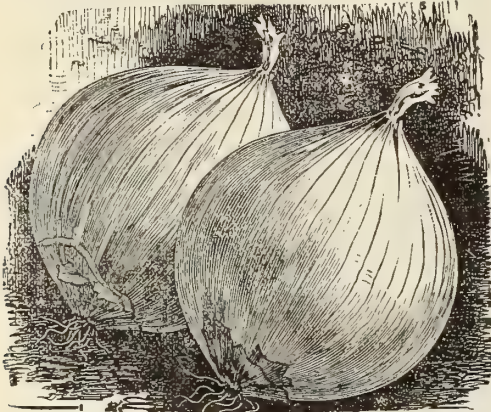
IT pays to plant only the best. Our Onions are saved from Selected Bulbs only, and are sure to produce the best crops of sound and long-keeping bulbs. We handle only choice American Pedigree Stocks.

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., 20c; ¼lb., 60c; lb., \$2.00.

Yellow Strasburg. The Best Yellow for Sets. Flat; flesh white, fine grained, mild, and well flavored. An excellent keeper. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb. \$2.00.

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., 20; ¼lb., 60c; lb., \$2.00.



EARLY RED GLOBE. Ready for market several weeks ahead of Large Red Globe. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

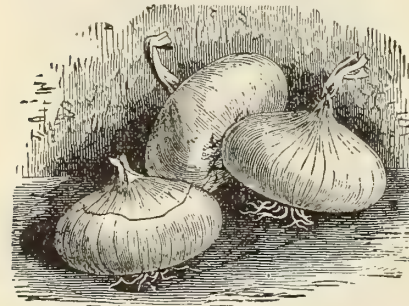
Large Red Globe. Of medium size; spherical with small neck. One of the most handsome onions in cultivation. It is a splendid keeper and an onion that no one will err in planting. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., \$2.50.

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., 20; ¼lb., 60c; lb., \$2.25.

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., 20c; ¼ lb., 60c; lb., \$2.00.



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., 25c; ¼lb., 75c; lb., \$2.75.

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., 30c; ¼lb., \$1.10; lb., \$4.00.

White Queen.

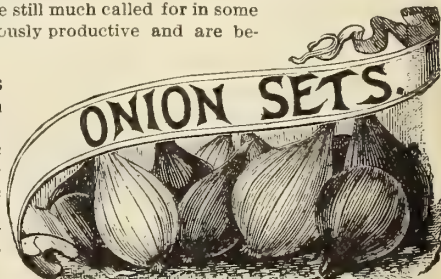
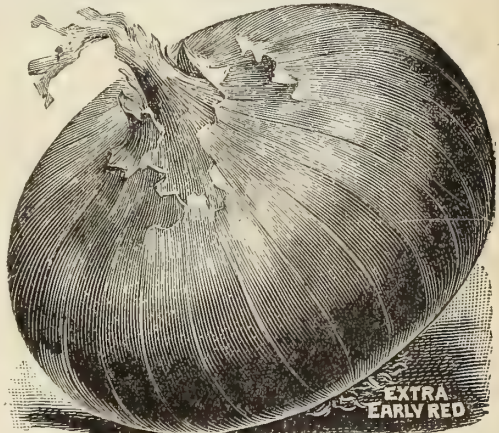
THE earliest and smallest onion grown. Every one who has a garden should sow an ounce or more of seed to raise onions for pickling. The onions are pure white, mild in flavor, and keep well. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

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., 60c.

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., 50c.

HAMBURG. The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.



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., 10c; ¼lb., 20c; lb., 60c.



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.

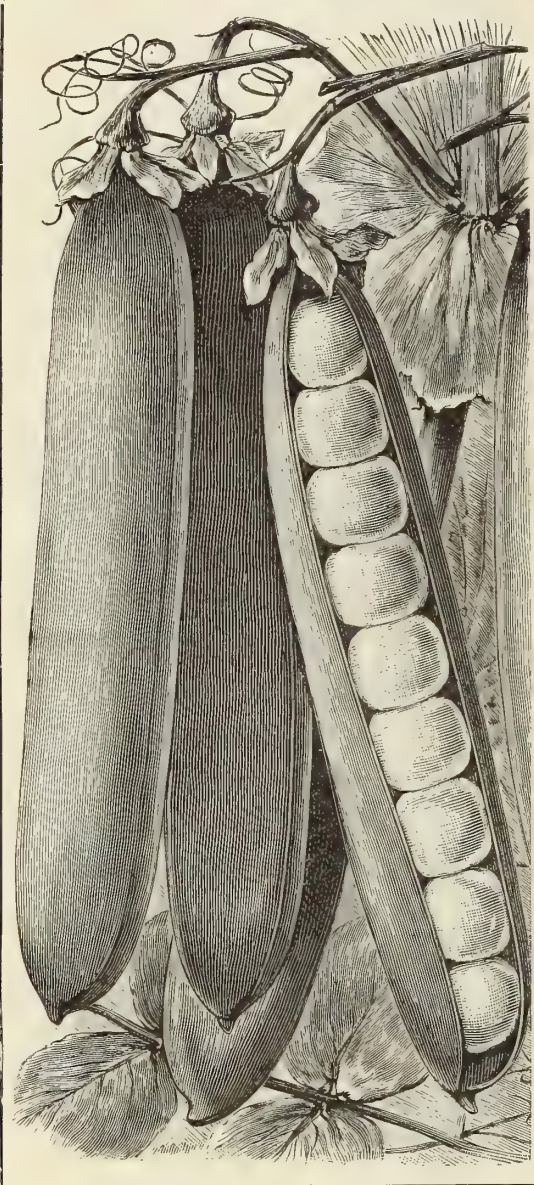
SPANISH. The stems grow upright instead of spreading. Planted in May they yield a bountiful crop of nuts in September. This is a good variety on which to fatten hogs. Half lb., 15c; lb., 25c; postpaid.

PEAS, New and Standard Sorts.

Three
Best Peas
For Table Use.

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

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



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.

PEAES 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., 20; qt., 40c; pk., \$1.50

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., \$1.50.

* 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., 25c; qt., 40c; pk., \$1.70.

***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., 10c; pt., 25c; 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., \$1.25.

*** American Wonder.** 12 in. Its dwarf habit of growth makes it well suited for the home garden. Pkt., 10c; pt. 25c; 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., 10c; pt., 25c; qt., 45c; pk., \$2.00.

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.

Everbearing. A first-class Pea for summer and autumn use, pods 3 to 4 inches long, and contains 6 to 8 peas of a rich flavor; very sweet and tender. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25.

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., \$2.00.

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., \$1.50.

* **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., 25c; qt., 40c; pk., \$1.75.

* 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., 30c; qt., 50c.

Horsford's Market Garden. A standard sort. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.75.

*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., \$1.75.

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., 20c; qt., 35c; pk., \$1.50.



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.

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., 10c; pt., 25c; qt., 45c; pk., \$1.75.

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., \$1.75.

* 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., \$1.50.

* **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., \$1.25.

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., 65c.

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., 25c; ¼lb., 75c.

CHEERY RED. Smooth, round variety. Fruit glossy scarlet. Pkt., 5c; oz., 25c; ¼lb., 75c.

GOLDEN DAWN. Color bright golden yellow, very brilliant and handsome. Pkt., 5c; oz., 20c; ¼lb., 60c, lb., \$2.00.

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., 20c; ¼lb., 60c; lb., \$2.00.

SWEET MOUNTAIN. Similar to the Bell, but larger, much used for stuffed pickles. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

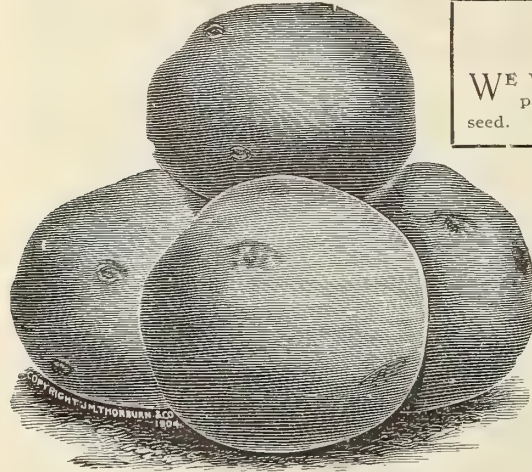
CHINESE GIANT. The best, mildest, and largest red Pepper; very early and productive of uniformly giant fruits, averaging 4 inches in length and breadth; very meaty, having but few seeds; excellent for eating and for stuffing. Pkt., 10c; oz., 40c.

One Peck
Will Plant
125 Hills

Selected Seed Potatoes

In Drills 10
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 2½ 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.



SEED POTATOES BY MAIL

WE WILL send any varieties offered herein by mail or express prepaid at 25c per lb. A good way to get a start with a change of seed.

BUG DEATH is a plant food as well as a vermin destroyer. It is applied dry or mixed with water and sprayed. Full directions on each package. Circular on application.

BUG DEATH is adapted to use on currant, gooseberry and rose bushes, squash, cucumber and melon vines, house plants, and all other fruits, plants and vines infested by plant-destroying insects.

BUG DEATH is sold only in packages. Price, not prepaid, lb., 15c; 3 lbs., 35c; 5 lbs., 50c; 12½ lbs., \$1.00; 100 lbs., \$7.50. **Bug Death Duster**, for applying dry, each 25c, not prepaid.

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., \$1.10; bbl., \$3.00.

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., \$1.10; bbl., \$3.00.

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., 35c; bu. \$1.00; bbl. \$2.75.

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., \$1.00; bbl., \$2.75.



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., \$1.25; bbl., \$3.75.

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. \$1.00; bbl., \$2.75.



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 BERMUDA.

Any of the above, packed in boxes or barrels, Pk. 50c; bu., \$1.75; bbl., \$3.75.

.. 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. 35c; lb. 90c.

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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. Go intending book buyers we send it without charge.

RADISHES Turnip and Globe Shaped Varieties

Price: { Except otherwise noted. Large packets of any variety, each 5c.; oz. 10c.; 1-4 lb. 20c.; lb. 65c.; all postpaid. By freight or express 10c. per lb. may be deducted from above prices.

EXTRA EARLY SCARLET FORCING

The Earliest of All Radishes in Cultivation

A small leaved variety specially adapted for forcing under glass. Globe shaped, bright scarlet in color. Packet 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

CRIMSON GIANT Highly commended for forcing or outdoor planting.

A most valued variety wherever known. It is early and of an entirely new type. It differs considerably from all the varieties, in so far as its roots attain more than double the size of other forcing varieties, without getting pithy or hollow. Crimson Giant Radish develops roots of six to seven inches in circumference and over an ounce in weight, its pure white flesh remaining firm and crisp and of the mildest flavor. It varies as to form, some of the roots being round, others inclining to oval, but its beautiful deep crimson color is quite constant. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 80c.

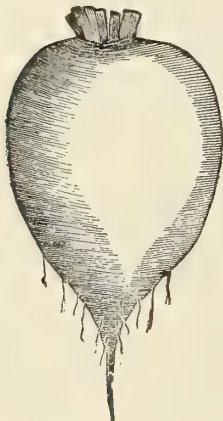
NON PLUS ULTRA. Good for forcing; will mature in 18 to 20 days. Round, slightly flattened; color, bright scarlet. Flesh of delicate flavor.

Scarlet Globe

Market Gardeners' Improved Strain

For forcing under glass in the greenhouse, hot-bed or cold frames, this is a superior variety. Its beautiful appearance makes it sell better than most others. In flavor it is mild, crisp, juicy and tender. This radish forms large, handsome, bright scarlet roots. 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.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.



LARGE WHITE RADISH



Scarlet Turnip, White Tip

POPULAR for FORCING and OUTDOOR CULTURE

With Chicago gardeners this is by far the most popular early Radish, or for planting in succession. Tops and roots both small, skin bright scarlet, shaded to white at the tip; flesh white, mild and crisp. We have an excellent strain of seed.

LARGE WHITE SUMMMER, turnip rooted. One of the earliest of the summer varieties. Root oblong tapering. Smooth, very white and handsome; flesh crisp, tender and rather pungent in flavor. Good for early and late sowing out of doors. Retains its crispness even when grown to mature size.

YELLOW SUMMER, turnip rooted. A favorite with market gardeners. Can be sown late; stands heat well. Skin, light yellow, flesh white.



Scarlet Conical

The BEST Forcing Radish. Highly esteemed by Gardeners.

Its brilliant scarlet color, short top and uniform shape renders this radish so attractive that it commands the highest market price. For forcing or for sowing out of doors there is no superior. In flavor it is mild, crisp and tender. Will stand much heat without becoming pithy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

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.

Early Scarlet Turnip

White Tipped Forcing

Radish.

This beautiful radish is so handsome in appearance that it sells quickly, always at good prices. The color is scarlet and white. Matures rapidly. On account of the small tops can be planted very closely. Never fails to give satisfaction as a forcing variety and is good for out door planting as well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb. 70c.

EARLY SCARLET TURNIP.

Roots small, round and red-skinned; flesh white, very tender and of delicate flavor. Of quick growth, and desirable for general use.

EARLY WHITE TURNIP.

Roots small, round; skin and flesh pure white; of quick growth and fine quality.

RADISHES == Olive Shaped and Half Long Varieties

Price: Except otherwise noted, large packets of any variety each 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c, all postpaid. By freight or express, 10c per pound may be deducted from above prices.



FRENCH BREAKFAST RADISH

Early Long Scarlet Short Top Radish

This variety is a standard and excellent sort for private gardens or the market. The roots grow half out of the ground, are uniform in shape, smooth and bright red in color. It is early and of good quality.

WOOD'S EARLY FRAME. Earlier, shorter and thicker than Long Scarlet.

BRIGHTEST LONG SCARLET or CARDINAL. 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.

CINCINNATI MARKET. A favorite market radish. The scarlet colored skin is very thin; the flesh white, crisp and brittle, grows about seven inches long, straight and smooth.

IMPROVED CHARTIER. One of the very best for outdoor sowing in summer. 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.

EARLIEST CARMINE. One of the very best for forcing. The roots are olive shaped, uniform in size, with small tops. The color is a rich carmine; flesh, crisp, tender and fine flavor.

ROSE, OLIVE SHAPED. Early and well adapted for forcing or general crop. Skin scarlet; flesh rose colored, tender and excellent.

WHITE, OLIVE SHAPED. When well grown the roots are clear white, crisp and mild.

HALF LONG DEEP SCARLET. Recommended for forcing; matures in about twenty days. Roots deep rich, red color, with clear white flesh and small foliage.

FRENCH BREAKFAST RADISH. Fine for open ground or forcing. Valued for its excellent quality and fine color, which is a beautiful scarlet on the body and white at the extremity; flesh white, tender and mild.



GIANT WHITE STUTTGART RADISH. Skin and flesh white; of vigorous growth, maturing in five weeks. Remains crisp and brittle at all stages of growth. Remarkably slow in going to seed even in the severest heat.



LONG SCARLET SHORT TOP RADISH

LONG RADISHES

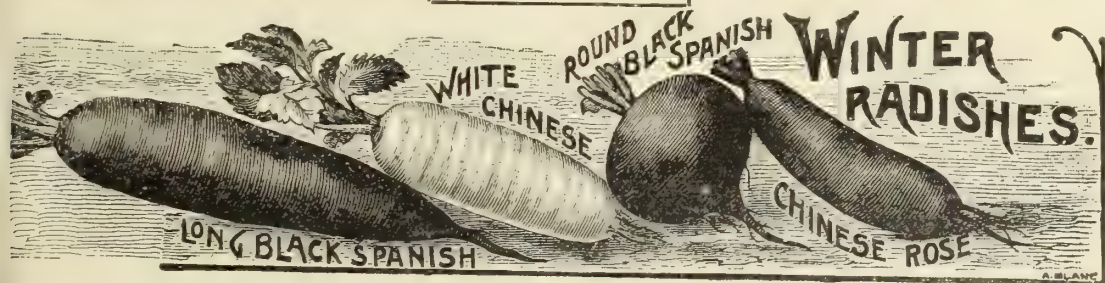
LONG WHITE VIENNA, or Lady Finger. Straight, smooth white roots, fine grained, white flesh, tender.

WHITE STRASBURG. One of the best of the later sorts, 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.

NEW RADISH ICICLE

The Best LONG White Radish.

Grows with remarkable rapidity and is valuable for forcing as well as for open ground. The radishes are long, straight, pure white, and about the same size nearly the whole length. This radish is earlier than White Vienna or Lady Finger and superior to any other long white variety. The quality of this radish is very fine, even when of large size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c, postpaid.



CHINESE WHITE. Flesh tender and crisp. Keeps well through winter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

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

WINTER RADISHES

Sow about the same time as Winter Turnips.

The radishes must be taken up before severe frosts and stored in a cool cellar, and covered with earth. Put them in cold water an hour before using. Every family should raise a supply of winter radishes.

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

Or Pie Plant

LINNAEUS. The earliest variety grown. Desirable for market or family garden. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

VICTORIA. Leaf stalks, tall and large. Sometimes weighing 2 pounds each. Skin thick and red stained. Pulp quite acid. Productive and profitable for market gardeners. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

RHUBARB ROOTS

WE supply divided roots, not seedlings. Mailing size, each, 15c.; doz., \$1.50 postpaid.

SALSIFY

Or Vegetable Oyster

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.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

SWISS CHARD

Or Spinach Beet

ALSO called Sea Kale Beet. The middle of the leaf, or midrib, is cooked and served like asparagus. The other portions of the leaf may be used like spinach. This beet does not make a large root, but is a delicious summer vegetable when cut young and used for "greens." Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

SORREL Large leaved French. The best garden variety. Pale green leaves of fine quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

SPINACH

THICK LEAVED ROUND. One of the best market sorts for spring or autumn sowing. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

VICTORIA. This variety is an acquisition to the list of Spinach; it matures later but is of remarkably fine texture, of the deepest green, heavily crimped, thick, fleshy leaves, deep red stem. It is now grown extensively by the truckers of our markets. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

BROAD FLANDERS. One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, thick and somewhat crimped in the center. A very desirable sort. Oz., 5c. $\frac{1}{4}$ lb., 10c.; lb., 35c.

NEW ZEALAND. This endures heat and is best for summer. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb. 20c.; lb., 70c.

LONG STANDING. Leaves dark green and thick. Not inclined to run to seed for a long time. Popular with market gardeners. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

LONG STANDING SPINACH.

PRICKLY WINTER. Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

BLOOMSDALE or Savoy Leaved. Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

Write for special prices on large quantities.

SQUASHES for Summer Use

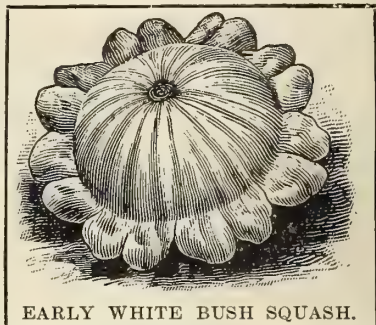
GOLDEN CUSTARD. It grows in bush form. Color, rich golden yellow. A valuable variety of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

SILVER CUSTARD. Similar in appearance to above; not quite as large. Skin white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

MAMMOTH WHITE BUSH. Extremely early; one of the best for summer use. Fruit white, with scalloped edges. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

MAMMOTH YELLOW BUSH. Not quite so early as white bush. Quality fully equal. Color, light yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

GIANT SUMMER CROOKNECK. Twice as large as the ordinary Summer Crookneck, much more warty and several days earlier. Fruit golden yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb. 30c.; lb., \$1.00.



EARLY WHITE BUSH SQUASH.

SQUASHES for Winter Use

PERFECT GEM. Wonderfully prolific, fruit round, flesh cream colored; dry, sweet and rich. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

FORDHOOK. Good both for summer and winter use. Bright yellow color; thick meat. Long keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

ORANGE MARROW. Handsome appearance; creamy colored. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

BOSTON MARROW. Early fall sort; rich orange color, excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

VEGETABLE MARROW. A famous English sort; rich, white flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

MAMMOTH CHILI. Grows to an enormous size, weighing sometimes nearly 200 pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ESSEX HYBRID. Good to follow peas or potatoes; hard shell. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

HUBBARD. The favorite winter squash. Color dark green; shell, extremely hard; excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

CHICAGO WARTED HUBBARD. An exceptionally good keeper. Has very dark green warty skin. Splendid shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.



WARTED HUBBARD SQUASH.

GOLDEN HUBBARD. Earlier than Green Hubbard; a little smaller. Color, orange red. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

TOMATO == Reliable and Selected Seed

There are many varieties of Tomatoes; some are quite distinct, others have been superseded by improved sorts. Our carefully revised list contains all the desirable ones up to date.

ACME. One of the best; good for home or market. Early, round, smooth; fruit purplish. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

ATLANTIC PRIZE. Extra early; of good form; bright red in color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

Improved BEAUTY Tomato

UNEXCELLED FOR MARKET PURPOSES

MEDIUM early; vigorous, heavy bearer. Fruit large, large, purplish pink in color, flesh light pink. A favorite both for the home garden, market or shipping. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

CRIMSON CUSHION. Bears continuously and late. Extremely large and smooth; solid as a beefsteak; nearly seedless. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

DWARF ARISTOCRAT. Desirable for culture under glass and for growing outdoors for early market. Can be planted 2x3 ft. apart. Color, glossy red. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

DWARF CHAMPION. Medium early; of dwarf sturdy growth with foliage unlike most tomatoes. Recommended for home garden. Color, purplish pink. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.



NEW GLOBE TOMATO

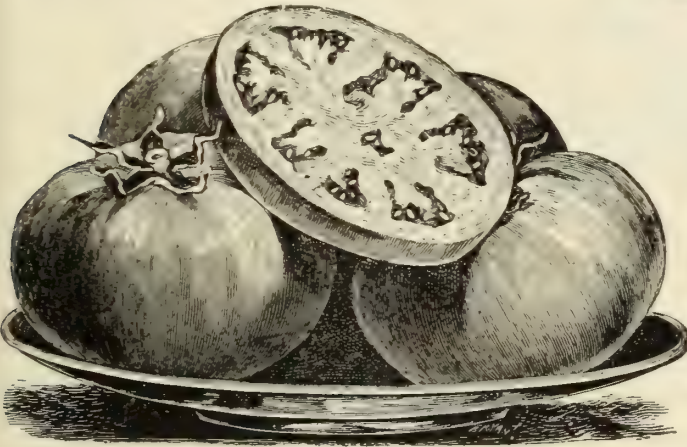
MIDSEASON TO LATE.

A FINE variety for greenhouse or for early outdoor growing. Its peach or globe shape permits a greater number of slices to be taken from each fruit than any other variety. Flesh firm with few seeds. Color, a glossy rose, tinged purple. Pkt., 10c; oz., 30c.

MAGNUS. As early as Acme or Beauty but thicker and heavier. Color, red with purplish tinge. Suitable for greenhouse culture as well as in the open air. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

PERFECTION. Early, large, smooth, with blood red skin. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

PONDEROSA. Under good cultivation this is the largest fruited tomato. Single fruits have weighed one pound or more; solid, almost seedless. Dark crimson color; of fine quality for slicing or stewing. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.



Earliana The Earliest and Best Large, Smooth Red Tomato

MARKET gardeners and others who have grown this tomato give it unstinted praise. You will make no error in giving Earliana a trial this season. It is a full week ahead of all others, handsome in appearance, of large size, dark red color and delicious flavor. Ripens clear to the stem and does not crack. In solidity and fine quality, equal to the best medium and late sorts. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

FREEDOM Ripens very early. Large, smooth, round, bright scarlet. Fruits borne in clusters. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.

GOLDEN QUEEN. Best of the large, yellow skinned tomatoes; solid fruit of first class quality. Good to slice up with red fleshed varieties by way of contrast for table use. Makes good preserves. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 75c; lb., \$2.50.

ROYAL RED. Fruit large; bright scarlet of good quality for canning. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

STRAWBERRY or Husk Tomato. Also called ground cherry. The small yellow fruits are each enclosed in a husk and are of delicious flavor, either raw or preserved. Pkt., 5c; oz., 25c.

STONE. The Tomato for Main Crop. Color, bright scarlet, fine for canning; quality the very best. No matter for what purpose cultivated. No one finds any fault with Stone. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

TREE. Grows tall in tree form; bears large, plump red fruit. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

SMALL FRUITED TOMATOES.

RED PLUM, Yellow Plum and Red Cherry. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

TOBACCO SEED

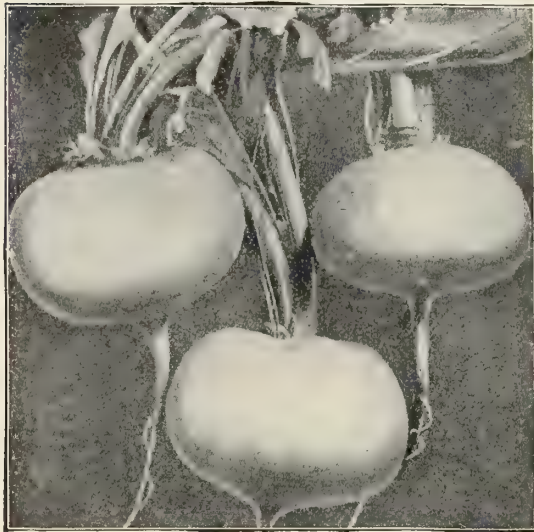
CONNECTICUT SEEDLEAF. This variety is grown in the Middle and Northern states, being comparatively hardy. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

HAVANA. The seed offered is a superior strain of Cuban grown stock. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.

Garden TURNIPS for the Table

AS with tomatoes there are a great many varieties of turnips. The following list embraces the best varieties for the garden or farm.

EXTRA EARLY PURPLE TOP MILAN. Earliest turnip in cultivation, fit for use a week sooner than others. Suitable for spring or fall planting. Bulb forms very rapidly, making but few and small leaves. The turnips are flat, smooth, white with purple top. Oz., 10; $\frac{1}{4}$ lb., 20; lb., 70c.



Extra-Early WHITE MILAN

FOR a white table turnip this variety is unequalled. The clear, white roots are flat, symmetrical and handsome. The flesh is white, tender, smooth grained and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

EARLY WHITE FLAT DUTCH. One of the best for the family garden in spring. It grows rapidly making a smooth flat turnip of medium size. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

WHITE EGG. Used for spring and fall sowing. Egg shaped, growing half out of the ground. Flesh sweet and mild. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

PURPLE-TOP STRAP LEAVED

GOOD FOR EARLY SPRING AND FALL USE

AS a turnip for home or market use it is unsurpassed. It is a rapid growing sort with globe-shaped roots. Color, red on purple above ground, white below. Seed sown in July or August will produce a fine crop of fall turnips. This is a very popular turnip. We have a fine strain of seed. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

WHITE FLAT NORFOLK. A standard sort, usually grown for feeding stock, but though a little coarse in texture it is of very good quality for the table. The roots are large, spherical or slightly flattened and white. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

SNOW BALL or SIX WEEKS. A globe-shaped, white-skinned turnip of medium size. A good keeper. Recommended for early sowing as it matures in six weeks from the time of sowing. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

PURPLE-TOP WHITE GLOBE TURNIP

A TURNIP OF DECIDED MERIT

AFINE table turnip and one of the best of the market sorts. Globular in shape, of good appearance, excellent quality, fine grained and tender flesh. This turnip resembles the strap-leaved purple top, but is larger and requires a little longer to reach maturity. Oz., 5c; $\frac{1}{4}$ lb., 15c; 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. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

PURPLE-TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

RUTABAGA, or SWEDISH TURNIPS

THE Ruta-Baga, Swedish or Russian Turnip, is extensively grown for a farm crop; the roots are close-grained, hard and will endure a considerable degree of cold without injury if preserved in a pit or cellar during the winter. Rutabagas are superior to any other vegetable root grown for cattle, horses and sheep. The animals thrive and fatten on rutabagas, carrots and mangels.

AMERICAN PURPLE TOP. Deep purple above, yellow underneath; flesh yellow, solid and sweet. Good for stock or table use. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

WHITE SWEDE or Russian. Grows very large; excellent for table or stock, flesh firm, white, solid, has a very rich and sweet flavor. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

MONARCH. A superior variety to cultivate for cattle feeding, the flesh being very nutritious. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

SKIRVING'S PURPLE TOP. Flesh, yellow. Good keeper. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c.

VEGETABLE PLANTS from SEED

WE send out in their season the best early and late sorts, such as we have at the time order is received. Usually begin to ship about April 20th,—some seasons a little earlier, or some days later. Prices do not include postage. If plants are to be mailed add for postage 6c per dozen, 12c for 50, 20c per 100 to prices named below.

Cabbage, early. Doz., 15c;
50, 35c; 100, 60c; 1000,
\$4.25.

Cabbage, late. 50, 20c;
100, 30c; 1000, \$1.75.

Cauliflower, early. Doz.,
15c; 50, 35c; 100, 60c;
1000, \$5.50.

Cauliflower, late. 50, 30c;
100, 50c; 1000, \$4.00.

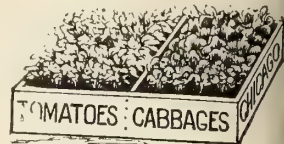
Celery. Doz. 15c; 50, 30c;
100, 50c; 1000, \$4.00.

Egg Plant. Doz., 20c;
50, 60c; 100, \$1.00.

Pepper. Doz., 20c; 50,
60c; 100, \$1.00.

Sweet Potato. 50, 20c;
100, 35c; 1000, \$2.50.

Tomato. Doz., 15c; 50,
60c; 100, \$1.00; 1000,
\$7.00.





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.

JERUSALEM ARTICHOKE ROOTS

Best food for hogs of its kind known.

Three bushels will plant an acre. Cultivate same as potatoes. Lb., 20c; 3 lbs., 50c, postpaid. By freight or express, peck, 40c; bu., \$1.50. 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.

READ'S TRIUMPH BARLEY

is the result of a scientific cross made by G. A. Read, in 1897 between the two-rowed Highland Chief and the six-rowed Manshury, to produce a distinct six-rowed variety with stronger straw and heads as long, but thicker and better filled out than Manshury. Its points of superiority are: Strongest straw; stands up best; crinkles best; rapid grower; arrests weeds; enormous stooker; best for grain mixtures; resists drought best; never affected by disease; largest heads; grain colors best and weighs 48 to 52 pounds per bushel; grand malting variety; soft, silky beards; safer to feed; easier to handle.



This engraving shows the superior standing qualities of Read's Triumph Barley. That lodged in foreground to the right is Manshury. Both grown under exactly the same conditions.

We guarantee all of the grain we sell this year under Read's name and description to come direct from him.

Prices.—Packet, 15 cents; 1 pound, 40 cents; 3 pounds, \$1.00, postpaid. By express or freight not prepaid, 1 pound, 30 cents; 1/2 peck, 85 cents; 1 peck, \$1.25; 1/2 bushel, \$2.00; 1 bushel, \$3.55; 2 1/2 bushels, \$7.60; 10 bushels, \$29.50 net.

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, except for grass seeds, clover and millet. 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.

MANSHURY. A well-known 6-rowed barley. 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., 50c; bu., \$1.75, not prepaid.

WHITE HULLESS. 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. 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., \$1.75, 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., \$1.50.

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. Good pasturage for bees.

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., 40c; 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., 35c; bu., \$1.25.

COMMON BUCKWHEAT. Selected Seed. Lb., 15c, postpaid; pk., 35c; bu., \$1.15.

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.

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.

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

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 1½ 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 60½ pounds of shelled corn and only 9½ 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

SEED FIELD CORN—Continued

Improved TEAMING



A medium early, yellow corn 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 the 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 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, white kernels on a very small cob. *Is the heaviest yielder we know, having produced over 200 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 rows, 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 secured good crops in a very backward season.

SANFORD. A well known white flint corn, Medium size ear, averaging about 12 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.

CLARK COUNTY CHAMPION. A pure white dent corn. It is earlier than Iowa Silver Mine and is recommended for cultivation in the Northern corn belt.

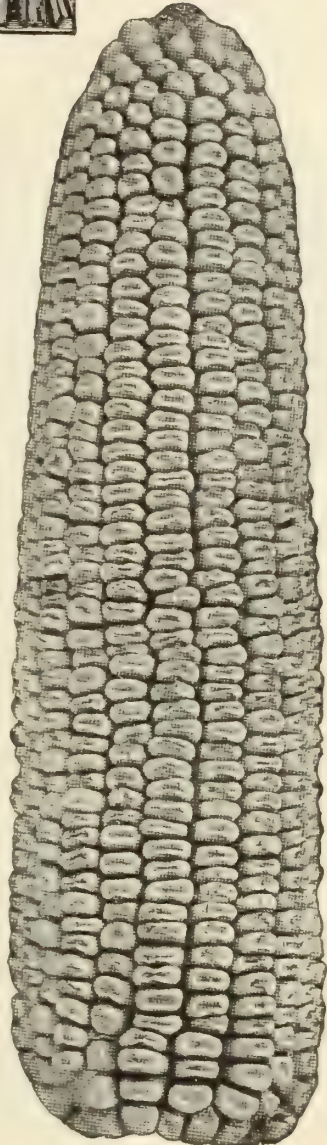
FODDER CORN

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.
Gold's Yellow Dent.....	\$0 10	\$0 25	\$0 50	\$1 50
Gold of the North, yellow dent.....	10	25	50	1 50
Iowa Gold Mine, yellow dent.....	10	25	50	1 50
White Cap Yellow Dent, early.....	10	25	50	1 50
Same; the old favorite for grain and fodder.....	10	25	50	1 50
Iowa Silver Mine, a prize winner.....	10	25	50	1 50
Champion White Pearl.....	10	25	50	1 50
Wisconsin White Dent.....	10	25	50	1 50
Sanford White Flint.....	10	25	50	1 50
Monarch White Dent.....	10	25	50	1 50
Angell Yellow.....	10	25	50	1 50
Clark County Champion.....	10	25	50	1 50

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



MILLETS

Add eight cents per pound to these prices if wanted by mail. Prices subject to changes in the market.

	Lb.	Bu.
Hungarian Millet (<i>Panicum Germanicum</i>). One of the very best plants for green fodder, or for ensilaging; makes hay of the best quality, and yields immense crops. Sow broadcast about one bushel of seed per acre, at any time from the middle of June till the first of August. (48 lbs. per bushel).....	\$0.05	\$1.50
Common Millet (<i>Panicum miliaceum</i>). In habit and usefulness, very similar to the preceding. The flower stem is of more branching, open appearance. This plant requires a better soil than Hungarian; cultivation the same. (50 lbs. per bushel.).....	.05	1.50
Pearl Millet (Egyptian, East India Millet, <i>Pencillaria spicata</i>). 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.....	.10	2.50
Golden (German Millet). Grows much taller, and produces larger crops than either of the preceding species; it also requires more time to grow. Cultivation the same as other millets. (50 lbs. per bushel).....	.05	1.75

We make no charge for bags but do not pay freight charges

SEED OATS

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

THERE are many new, or so-called new varieties of oats introduced each year. Many are old sorts re-named; others may be justly classed as humbugs. That some kinds are improvements upon others, and pure seed better than mixed, no one will deny. Those we list here are straight goods; you get just what the name and description calls for.

NEW BAVARIAN OATS

Are the kind to grow for sure cropping



Heavy, plump grain with large per cent of meat and small per cent of nib; stiff straw that will save the crop until harvested; head long, heavy, full.

Originated in Bavaria, Germany, by a seed breeder. They were exhibited at the St. Louis World's Fair. So well were we impressed with the handsome, heavy grain, we contracted for seed. The imported stock was planted in territory adjacent to Chicago. In mid-season a bountiful crop was harvested. The oats, with ordinary threshing machine cleaning, ran much over weight.

The illustration shows one single head. The oats being white and heavy bring highest price when marketed. Reports from growers (after threshing) of yields will be appreciated by

us. Try Bavarian Oats this season. Price, lb., 20c, postpaid; pk., 30c; bu., \$1.00.

BIG FOUR OATS

During several years past we have extensively advertised and sold largely of **Big Four Oats**. 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."

Lb., 20c, postpaid; pk., 25c; bu., 90c.

BLACK TARTARIAN OATS

For those who prefer a black oat we can safely recommend this variety. The grain is very large, plump and full. We offer a limited quantity of imported seed. Lb., 20c; pk., 35c; bu., \$1.00; 5 bu. for \$4.50, bags included, not prepaid.

READ'S DEFIANCE OAT

was made by G. A. Read, in 1898, by hybridizing the Mortgage Lifter with the Lincoln. The result was a remarkably well-balanced oat, showing greatly increased vigor and productiveness over both its parents. Its qualities: Straw exceedingly tall, stiff and leafy; very large, branching heads; grain plump, weighing 36 to 45 pounds per bushel; practically rust, smut and insect proof; extensive root development; wonderful stouter; grows fast, checks weeds; does not lodge; withstands drought, storms and other unfavorable conditions.



In this engraving G. A. Read, the originator, is shown in center. On the left is F. H. Horsford. He says, "Can't help producing heavy yields." On the right is Prof. C. G. Pringle, Pioneer Hybridizer and Botanist of the U. S., who inspected large fields directly after three successive severe storms and found them free from lodging. He says, "Though I had myself won success in originating new cereals, I had never seen such magnificent fields of oats."

Read's Defiance Oat yielded with Mr. Read from 50 to 120 bushels per acre under ordinary cultivation. Under high cultivation it yielded from 150 to 200 bushels per acre. 149½ pounds of grain was raised from one ounce of seed.

We guarantee all of the grain we sell this year under Read's name and description to come direct from him.

Prices: Pkt., 15c; lb., 40c; 3 lbs., \$1.00, postpaid. By express or freight not prepaid, lb., 30c; ½ peck, 80c; peck, \$1.20; ½ bu., \$1.85; bu., \$3.25; 2½ bu., \$6.90; 10 bu. \$29.50, net.

Where larger lots of Seed Grain than those quoted on this and other pages are wanted, please write us for special prices. No trouble for us to answer your letters and inquiries at any time.

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; pkt., 40c; bu., \$1.50; 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., 40c; bu. \$1.25; 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., 50c; 100 lbs., \$2.75 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., \$2.00; 2 bu. for \$3.50. 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.



AMBER CANE



VETCHES

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. \$1.75, not prepaid.

SASKATCHEWAN. Has all general characteristics of Scotch Fife, from which it descended by careful selections. It excels in earliness, hardness, 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.

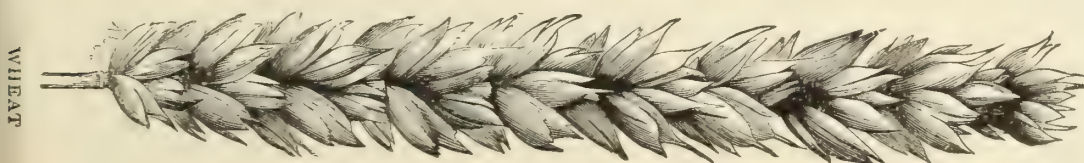
WILD RICE (*Zizania Aquatica*)

This plant thrives on the borders of lakes and ponds. Wherever it grows wild ducks and geese discover it. The seed may be planted at any time when the water is free from ice. To insure germination the seed is kept in water in cold storage until required. We ship in lots of not less than 25 lbs. by express only. Packed in damp moss, so as to reach purchaser in good condition. 25 lbs. for \$6.00. Write for price on larger quantities.

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.



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 Odoratum*). 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 of 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)			GRASS SEED (not prepaid)		
	lb.	100 lbs.		lb.	100 lbs.
Awnless Brome Grass.....	\$0 25	\$18 00	Orchard Grass.....	\$0 25	\$15 00
Creeping Bent Grass.....	30	25 00	Perennial Rye Grass.....	15	6 00
Crested Dogtail.....	40	30 00	Perennial Sweet Vernal.....	45	40 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	marke
Kentucky Blue Grass.....	30	20 00	Tall Fescue.....	40	32 00
Meadow Fescue.....	20	16 00	Tall Meadow Oat Grass.....	25	16 00
Meadow Foxtail.....	40	30 00	Wood Meadow Grass.....	45	40 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.

RECLEAVED 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 22c. 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 cows and 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 Cyclopedia 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.....lb. \$0.20	White Dutch	lb. \$0.30
Mammoth Red	Alfalfa or Lucerne .....	.25
Alsiike or Swedish.....	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, 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 worked 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

Thrives 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. 40 cts., postpaid; **not prepaid**, lb. 30c., 5 lbs. or more at 25 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

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.

GRASSES ..AND.. FORAGE PLANTS

By Chas. L. Flint

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

Price, \$2.00.

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.
- 1/2 " 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.
- 1/2 " 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.
- 1/2 " 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.
- 1/2 " White Clover.

35 lbs. Price per acre, \$5.50.

No. 3. On Wet, Late Land.

- 5 lbs. Red Top.
- 2 1/2 " 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.
- 1/2 " 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.
- 1/2 " 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.
- 1/2 " 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.
- 3 1/2 " Tall Meadow Oat Grass.
- 1 " Meadow Brome Grass.
- 3 " Orchard Grass.
- 1 " Hard Fescue.
- 4 " Sheep's Fescue.
- 1/2 " 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.

The quantities given are the minimum, and may often be increased to advantage

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 40c; 25 lbs. for 75c; 100 lbs., \$2.25; 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 sowed 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. Peck, 40c; bu., \$1.50.

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, 20c; qt., 35c, prepaid; pk., 75c; 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., \$1.00; 25 lbs., \$2.25; 100 lbs., \$8.00; 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.

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

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.

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.

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.

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)

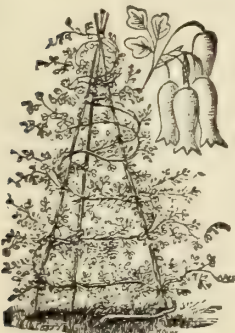
Shrubby plants for greenhouse and window culture. 6 feet. H. H. P. 2001. Mixed. White, yellow, rose, etc. Pkt. 10c.

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 flowerspikes. 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. 5c.

ANEMONE

(Windflower)

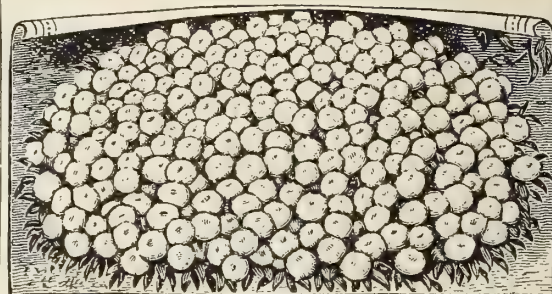
2046. Beautiful and showy flowers like Poppies, fine for bouquets. Mixed colors. Nine inches. H. P. Pkt., 5c.



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 will stand 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., 5c.

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

2039. **Giant Flowered.** Mixed. Pkt., 5c.

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., 5c.

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., 5c.

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

W

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 here 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..... Pkt. 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.... 25c.

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., 10c.

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., 10c.



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.

- 2126. Carmine..... Pkt. 5c.
- 2137. Giant Mixed..... 5c.
- 2135. Giant Snow White..... 10c.
- 2137. "The Bride," white and rose..... 5c.
- 2137a. White Striped Pink..... 5c.
- 2127. Comet, Pink and White..... 5c.
- 2127a. Comet, Deep Rose..... 5c.
- 2133. Comet, Light Blue..... 5c.
- 2136. Comet, Mixed..... 5c.

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..... 5c. 2084. Mixed..... 5c.

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..... 5c.
- 2091. Rose..... 5c.
- 2092. Blood Red..... 5c.
- 2097. Light Blue..... 5c.
- 2098. Dark Blue..... 5c.
- 2100. Dark Crimson..... 5c.
- 2102. Sky Blue..... 5c.
- 2107. Mixed Colors..... 5c.

2112. Imported Collection, 6 distinct colors.... 20c.

VICK'S BRANCHING.

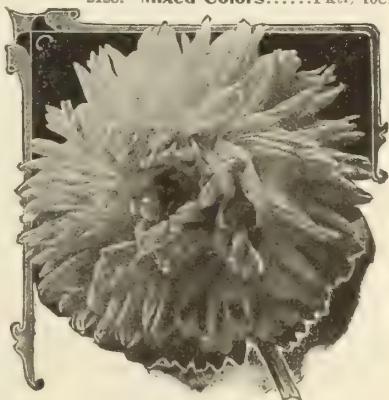
A favorite variety with fine large flowers on long stems. Excellent for cutting. 2 feet high. Blooms late. Pkt. 2123. White..... 10c. 2124 Mixed..... 10c. Crimson. Purple. Pink.... 10c.

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 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.

* * * * *

..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.

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., 10c.



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., 5c.

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*. In six separate colors. (See numbers on page 4.) Per packet.....10c.
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. 2226, White; 2221, Mixed, each 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.

2210a. Lavender

- | | |
|--|-------------------------|
| 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. | |

Chrysanthemum-Flowered, Dwarf.

- 2237. **Mixed**. Grow 9 inches high.....Pkt., 5c.

Snowball or Princess.

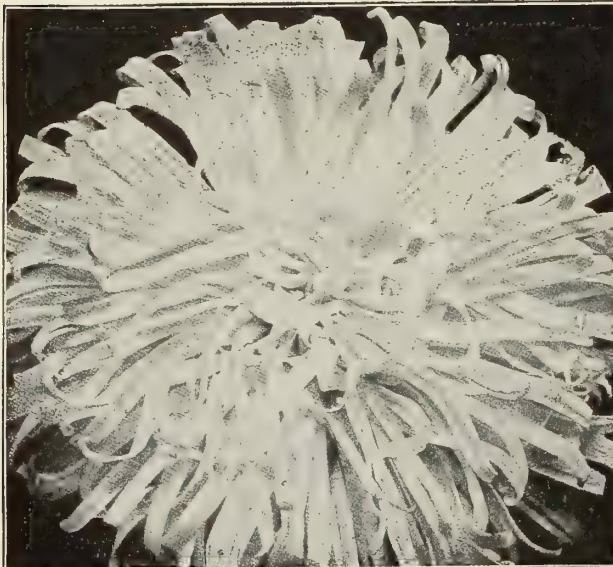
2172. Very beautiful and distinct, having short, thick petals, the flower bearing a resemblance to a dwarf or pompon Dahlia. A single plant will produce a number of pure white flowers. Pkt., 5c.

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. 10c.



ASTER, SUNLIGHT.



2196. **OSTRICH FEATHER**, Salmon Pink. Height 18 in. Each plant bears a number of large flowers. Blooms early. Pkt., 5c.

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 its common names by which this plant is known, 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.

2045. **Balsamina.** (Balsam Apple.)

2046. **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 Vernon.** 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.

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., 5c.

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.

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.



CANNA BEDS.

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., 5c. 2349. **White**. Pkt., 5c.
 2333. **Double Dwarf Vienna**. Excellent garden variety. Pkt., 5c.
 2339. **CARNATIONS**. Double, finest mixed. Pkt., 10c.

CASTOR OIL BEAN.—(See Ricinus.)

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., 5c.

2426. **Cannas, Mixed**. Tall, old type. Pkt., 5c.

See also page 74.



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. 2401. **C. Americana**. 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.



DOUBLE CORN-FLOWER.

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., 5c.

White-Leaved Centaureas or "Dusty Millers."

These are planted for bedding or borders, not for flowers.

2391. **Candilissima**. Silver gray foliage. 1 1/2 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.



CHRYSANTHEMUM MAXIMUM PERFECTION.

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., 5c.

PERENNIAL SORTS.

2445. **Frutescens Grandiflora**, (*French Marquerites*). 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

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.



CELOSIA -- TRIUMPH OF THE EXPOSITION.

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., 5c.



COLEUS.

**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., 15c

COLEUS PLANTS FOR BEDDING.

We can supply nicely rooted plants in season in 4 varieties, 4 for 30c or 85c per dozen; postpaid.

COBAEA 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.

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.

It will be noticed we place a number before each variety of flower seeds, which saves the customer both time and labor in making out the order. For instance, if you want a packet of Tall Morning Glory, simply set down one pkt. 2429, 5c. Please be careful to get the correct number, otherwise the order will be filled incorrectly.

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

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., 5c.



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. 5c.

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.

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.

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. **Ro.**
2523. **Brown Red.**
2522. **Bright Red.** 2524. **Mixed.**

2505. 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., 5c.



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., 10c.

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., 5c.

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., 5c.



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.

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., 5c.

DRACÆNA, or Club Palm.

Ornamental leaved plants for vases and house decorations. T. P.
2633. **Australis**, long, narrow, graceful foliage. Pkt., 5c.
2634. **Indivisa**, thin leaves. Pkt., 5c.
2635. **Lineata**. 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.

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., 5c.

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. 5c.

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. 5c.

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. So 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, blush and spotted. 1 ft. T. P.

2703. **Gloxinia, mixed.** Pkt., 15c.

2703a. **G. Defiance.** Brilliant scarlet. Pkt., 20c.



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., 5c.

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., 5c.

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., 5c.

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

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."

**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., 5c.

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.

No order is too large or too small to receive our careful attention.



VARIEGATED LEAVED HOP.

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., 5c.

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 rosy purple flowers. 10 ft. Pkt., 5c.

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

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., 5c.

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.

MATRICARIA.

(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, MACHET.

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. *Machet*. 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., 5c.

2431. **Heavenly Blue.** Splendid for the conservatory or outdoors. Flowers large, light blue with yellow throat, produced in clusters; foliage large, heart-shaped. Pkt., 5c.

For other rapid-grower climbers, see *Coclea*, *Cypress Vine*, *Dolichos*, *Wild Cucumber*, etc.

☞ If you have not done so already, be sure to read pages 4 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.

3035. *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 *Hollyhocks* 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. L. 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 bloom, 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 hand some 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

CENOTHERA.

Evening Primrose.

Cenotheras 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.

3070. *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.

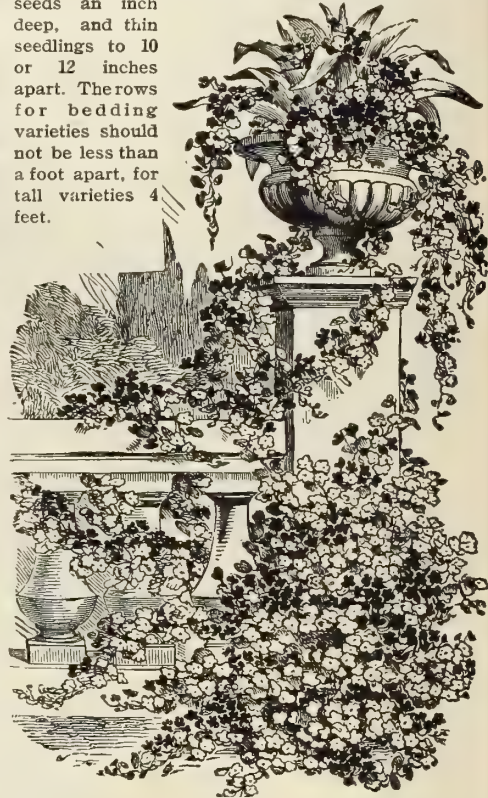
Much more brilliant in coloring than the tall sorts. Splendid for hanging baskets, etc. Price, any kind, oz., 15c; pkt., 5c.

- | | |
|---|---|
| 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 Snowflake.** 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 expensive 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.

PASSION FLOWER.

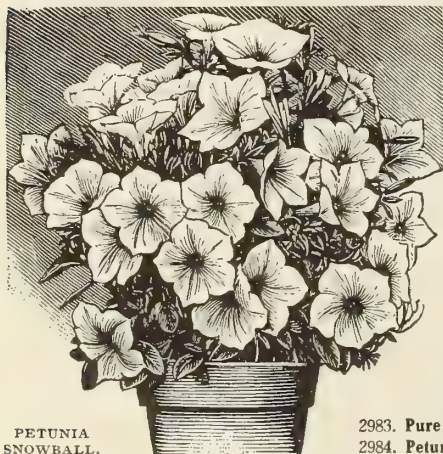
3222. A good climber, suitable for outdoor cultivation in the South in summer, but chiefly grown in greenhouses. Flower in several colors, composed of rays, afterwards succeeded by fruit. Mixed. Pkt., 5c.

PENSTEMON.

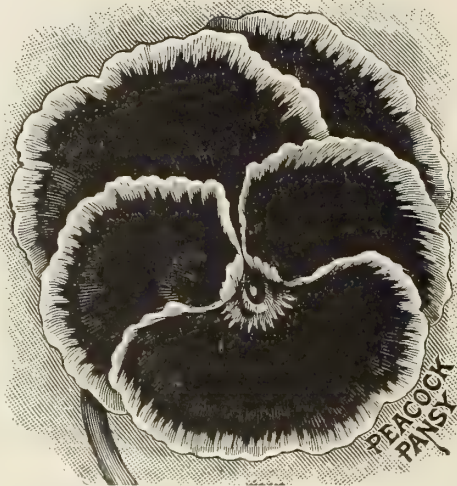
3227. Very ornamental plants that make a splendid effect in borders, etc. They bloom from June until late in the fall. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in May in cool, shady place. 2 feet. H. P. Large flowering, mixed. Pkt., 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.



PEACOCK
PANSY

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.

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., 5c.
2967. **Adonis.** Height and habit like Snowball. Carmine with white throat. Pkt., 5c.

Large Flowering Petunias.

2968. **Giants of California.** Mammoth ruffled flowers marked and veined in many combinations in their deep yellow throats. Pkt., 10c.
2970. **Fringed.** Beautiful, large flowers with fringed edges. Pkt., 10c.
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.

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., 10c.

DOUBLE PETUNIAS.

2980. **Lilliput.** Small flowers. 25c.
2981. **Striped and Blotched.** Pkt., 25c.
2982. **Fringed.** Pkt., 25c.
2983. **Pure White.** Pkt., 25c.
2984. **Petunia, Double Mixed.** Pkt., 25c.



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. | 3324. 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. 5c.

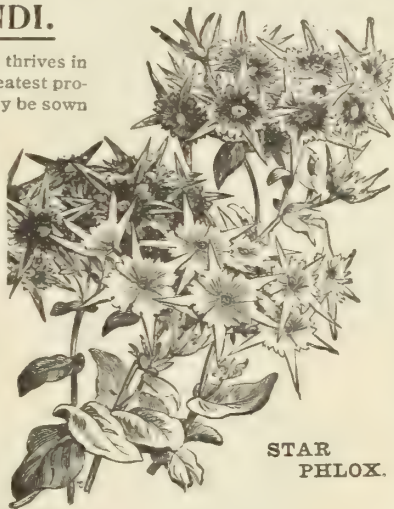
PINKS.—See *Dianthus*.

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. 10c.

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., 5c.;

STAR-SHAPED PHLOX.

3434. Most attractive sort. The colors are about the same as in other Phloxes. Mixed. Pkt., 5c.

HARDY STAR 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. 5c.

SINGLE.**Miss Sherwood**

2995. Satiny white flowers shaded rose. Has beautiful foliage. A splendid variety to grow for cut flowers. Pkt., 5c.

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. **Cerulea,** 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., 5c.

3028. **Orientele.** Bright crimson with purple spots. Pkt., 5c.

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 well 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. **Cocceina Hybrida**, dark crimson, dwarf. Pkt., 5c.
- 3512. **Patens**, deep blue. Pkt., 10c
- 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., 10c.
- 3521. **"Lord Fautleroy,"** its foliage is dark green, with very erect, bright scarlet flowers. 15c.

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. 5c.
- 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., 5c.

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	Pkt. 10c.	3558. Light Blue	Pkt. 10c.
3555. Blood Red	10c.	3559. Crimson	10c.
3556. Pure White	10c.	3560. Canary	10c.
3557. Rose	10c.	3562. Mixed	10c.
3563. Imported collection of 6 distinct colors. 25c.			

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., 15c.
- 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; ¼ lb., 25c; postpaid.

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.

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.	¼ 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.

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



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
3775.	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
3850.	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 "Cupid" Sweet Peas.
"Tom Thumb"

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.

**Lemon Verbena.**

3585. This plant is esteemed for its sweet scented foliage. Comes easily and true from seed. Pkt., 7c.

**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 an 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 and 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.

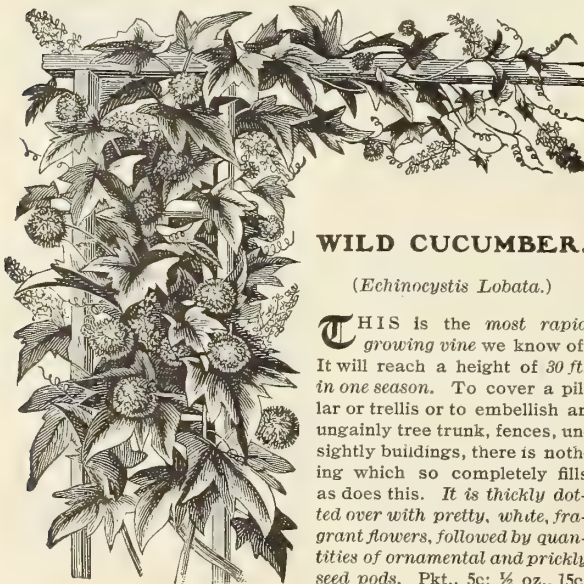
3673. **Tall Double**, mixed. Many colors. Pkt., 5c.

3674. **Dwarf Double**, mixed. Splendid variety. Pkt., 5c.

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.



Summer-Flowering Bulbs and Tuberous Roots

PLANTED IN EARLY SPRING THEY BLOOM ALL SUMMER

All Bulbs postpaid at prices quoted unless otherwise mentioned.

AMARYLLIS Johnsonii Old favorite and almost too well known to need description. The immense trumpet-shaped flowers, which measure six to eight inches across, are borne on strong, fleshy flower spikes and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Each, 35c; 3 for \$1.00.

ATAMASCO. Beautiful rosy white flowers, produced the entire summer. This variety makes a pretty edge to a border. Each, 5c; per dozen, 50c.

FORMOSSISSIMA. Can be grown in soil or water and pebbles like the Chinese Lily. When grown in water they will bloom in from two to three weeks time, producing freely flowers of the most intense scarlet. Each, 10c.

TUBEROUS BEGONIAS

THE flowers are brilliant and large, handsomely formed and of wonderful size, often measuring from four to six inches in diameter. Fine either as pot or bedding plants.

These splendid varieties produce branching plants, covered with bright flowers of various colors the whole summer, succeeding best in partial shade. Roots should be kept in dry sand or similar material away from frost during winter.

Single White	Single Yellow
Single Scarlet	Single Pink
Single Mixed	

Each, 7c, 4 for 25c; dozen, 70c postpaid.

Double White	Double Yellow
Double Scarlet	Double Pink
Double Mixed	

Each, 15c; 4 for 50c, dozen, \$1.25 postpaid.

BLEEDING HEART

(*Dicentra Spectabilis*)

AN EASILY cultivated plant, excellent for the border or cemetery. Grows about two feet high. Flowers rose colored, heart-shaped, produced in early spring.

We offer divided, dormant tubers. Each, 15c; 3 for 40c.

WHITE CALLA LILY

can be supplied in September at 10c, 15c and 25c each, according to size.

CINNAMON VINE

A RAPID 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.



CALADIUM

(Elephant's Ears)

ONE of the most effective plants in cultivation for beds, borders or for planting out upon the lawn; it will grow in any good garden soil, and is of the easiest culture. To obtain the best result it should be planted where it will obtain plenty of water and an abundance of rich compost. Foliage light green.

First Size Bulbs. Each, 15c; not prepaid, 10c.

Larger Bulbs. Each, 30c; not prepaid, 15c.

Mammoth Bulbs. Each, 50c; not prepaid, 30c.



SPOTTED-LEAF CALLA LILY

(*Richardia alba maculata*)

LEAVES of this variety are deep green with numerous white spots. Flowers are pure white, with black center. Each, 10c; 3 for 25c.



JAPANESE IRIS, Imported

DAHLIAS SEE PAGE 73

GLOXINIAS

BEAUTIFUL house plants of dwarf habit and easy culture. Flowers are trumpet-shaped, with beautiful markings, shaded violet, rose, blue or crimson. Each, 15c.

HYACINTHUS CANDICANS

FLOWER stems three to four feet high, bearing from twenty to thirty pure white bell-shaped flowers. Each, 5c; dozen, 50c.

JAPAN IRIS

Large Flowered

WE IMPORTED a collection of twenty of these grand Irises, which excel in richness of color and size. They come in large, strong clumps. Each, 40c, postpaid.

CANNAS

A Superb Bedding Plant.

This List Contains the Best Varieties,
Largest Flowers and Richest Shadings.

Large-Flowering Varieties.

THE height in feet of each variety is mentioned and should be considered when planting a bed, placing the taller ones in the center and dwarfier varieties in the borders. They are splendid also for background of a bed along a fence or wall.

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.** 4 feet. Red foliage; flowers pink.
- Each, 15c; 3 for 40c; doz., \$1.50, postpaid.

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.
- David Harum.** 3 feet. Flowers of large size; bright vermilion dotted with crimson; extra free bloomer; foliage, dark bronze.
- Duke of Marlboro.** 4 feet. Dark maroon, nearly black.
- Flamingo.** 3 feet. Growing 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 and purple. Flowers orange.
- L. Patry.** 4 to 5 feet. Salmon, fading into bright pink.
- Mlle. Berat.** 5 feet. Soft rosy carmine, approaching to pink.
- Mont Blanc.** 3½ feet. A grand new almost pure white variety, making a fine contrast when planted with high-colored sorts. Blooms on strong stems well above foliage, frequently 15 to 20 of them to the plant; foliage large, handsome glossy green. 25c.
- Pennsylvania.** 6 feet. Tall grower; flowers, orange crimson. One of the best. Flowers sometimes measure seven inches across.
- 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.

Any of the above, each, 15c, 3 for 40c, postpaid.

GIANT ORCHID-FLOWERED CANNAS

- Allemania.** 4 to 6 feet. Enormous flowers; outer petals scarlet with broad yellow border; inside of bloom scarlet and dark red; foliage dark.
- 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 flowers 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.

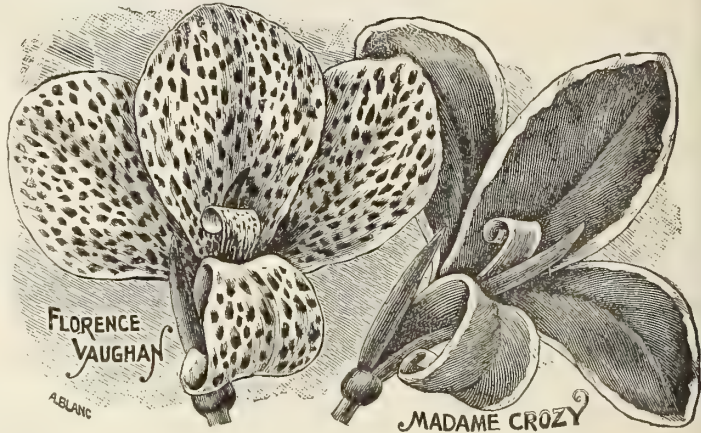
Any of the above, each 15c, 3 for 40c, postpaid.

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.

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 the following is a carefully selected assortment.



QUEEN CHARLOTTE.



MLLE. BERAT.

Giant Flowering **GLADIOLUS** Selected Strain

Gladioli are very easily grown. Any good soil suits them. Plant, as soon as all danger from frost past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July these flowers can be had in bloom all through the summer and fall—the later to flower being the best. About the end of October, when the leaves begin to wither, the bulb should be taken up, dried in the open air, and the stored in a dry place free from frost for planting next spring.

At single and dozen rate we send postage or express prepaid. 100 rate not prepaid. 25 bulbs sold at the 100 rate.

GLADIOLUS IN MIXTURES

Our mixtures are made up out of fine varieties, not the commonest sorts, and are all strictly selected first-size bulbs, and are sure to give best results.

Young, Vigorous Bulbs, Sure to Produce Fine Flowers.

Single bulbs and dozen lots, postpaid.	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

TRACY MIXTURE. 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.



TYPE OF "TRACY MIXTURE" GLADIOLUS

SUPERFINE MIXED. This is not equal to other Tracy Mixture, nevertheless 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 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.

Groff's Hybrid Gladiolus

The flowers grow to an immense size, often measuring six and seven inches across. In coloring they are unequalled; every tint heretofore known in Gladioli is represented, and many new ones also, especially among the blue, lilac, and heliotrope shades. We offer the true stock in mixture. First size, doz., 60c; 100, \$3.00. Second size, doz., 25c; 100, \$1.00.

GLADIOLI CHILDSII LEMOINE'S HYBRID

A mammoth race. They are so erect as to stand four to five feet high, with spikes of bloom sometimes two feet in length. Mixed, doz., 50c; 100, \$2.50.

Aptly named the Butterfly or Orchid Gladiolus, on account of the marvelous beauty of the fantastic markings and blendings of every shade of color. Doz., 25c; 100, \$2.00.

FINE NAMED HYBRID GLADIOLUS

In addition to the several mixtures offered above, we can supply the following named sorts. They are very choice and at the same time reasonable in price:

America. The most beautiful and useful Gladiolus in cultivation. Its color is a soft flesh pink, very light, and slightly tinged with lavender. In growth it is strong and healthy, producing an excellent dark green foliage and a strong, erect spike of large flowers, well set to show to the best advantage. Each 20c doz., \$2.00.

Augusta. A lovely white variety. Each, 7c; doz., 75c.

Brenchleyensis. The best scarlet for massing. Per doz., 25c; 100, \$1.50.

Ceres. White, flaked with purplish rose. Each, 5c; doz., 40c.

Eugene Scribe. Large, open flowers of a tender rose color, blazed with carmine. Each, 5c; doz., 40c.

Isaac Buchanan. Fine yellow. Each, 7c; doz, 75c.

John Bull. White tinged with yellow. Each, 5c; doz., 40c.

May. White, striped crimson. Each, 4c; doz., 40c.

Madam Monoret. Delicate rose. Each, 4c; doz., 40c.

Napoleon III. Scarlet, white lines in petals. An attractive, showy and desirable variety. Each, 5c; doz., 40c.

"1900" A seedling of exceptional merit. Tall spikes of crimson flowers, with blotch on lower petals. Each, 5c doz., 40c.

Reine Blanche. Pure white, carmine blotch. Each, 6c doz., 60c.

Snow White. Almost pure white. Each, 15c; doz., \$1.60.

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.

Figlium. (Single Tiger Lily.) Flowers, orange red, spotted black. Each, 10c; 3 for 25c; doz., \$1.00. *Not prepaid*, each, 5c; doz., 50c.

Figlium 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.

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.



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.



TIGRIDA.

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.

Diepi. Clover like foliage, white flowers. Doz., 10c; 100, 50c.

Lasandra. 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.

Roses, Bedding Plants, Shrubs

THE SIZE OF PLANTS furnished by us is, in all cases, as large as can be advantageously forwarded by mail. Roses and greenhouse plants are strong, thrifty, well-established stock from 2½-inch pots. The shrubs and climbing plants which are sent by mail are thrifty stock propagated the year previous.

GUARANTEE. The safe arrival in good condition of all plants we send out is guaranteed. Further than that we cannot go, as much depends upon the care and treatment plants receive after reaching destination. If your order comes to us early in the season and includes both seeds and plants, the seeds will be sent at once, but plants will be held back until the weather permits of mailing safe from freezing.

The Shipping Season. The climbing vines and flowering shrubs must be sent out while in dormant condition, that is, before they commence to leaf out. Orders for these items, therefore, should reach us by the middle of April at the latest. Orders for roses and greenhouse plants can be filled up to the first of June.

3 GRAND "Soupert" ROSES

Pink, White, Yellow
by mail for 28 cts.



The Soupert roses, in three colors, pink, white and yellow, are without an equal either for pot culture or bedding. They bloom the first, and every year from May until freezing weather. Enormous quantities of Soupert rose plants have been sold to delighted purchasers.

We urgently request that orders for plants be sent to us early, preferably in March or April. It's a benefit to you and materially aids us in a busy time.

Everblooming Roses

Each 10c; 3 for 28c; 6 for 50c; 12 for \$1.00

The following selection is made up of Tea or other monthly bloomers, and may be expected to produce a mass of flowers the entire season. The plants have been grown with special care and the varieties are the best. They are almost entirely hardy; a slight covering of straw or leaves in the fall will afford all necessary protection.

Bride. Perfect globular pointed heads of purest white.

Bridesmaid. Large fragrant flower; clear pink.

Caroline Marniesse. White slightly tinged with pink.

Hardy; almost constantly in bloom.

Catherine Mermet. Clear, shining pink; fine.

Golden Gate. Creamy white tinged with yellow.

Hermosa. Bright rose color. Blooms in clusters. A good rose for culture in pots.

Ivory. Large ivory white flowers borne on long stiff stems. An elegant pot plant.

Maman Cochet. Flowers of great size and depth, deliciously fragrant; color deep rose, pink shaded with crimson. A queen among roses.

Marion Dingee. Deep brilliant crimson; fine bedder.

Mme. Abel Chatenay. Rose, shaded with salmon.

Marie Guillot. White tinged yellow. Large, full and of splendid form; always satisfactory.

Meteor. Bright velvety crimson; large flower.

Miss Kate Moulton. A grand rose for garden culture. Color, light pink. In a class by itself for size and profusion of bloom.

Mme. Hoste. Canary yellow flushed with rose.

Perle des Jardins. Rich, beautiful yellow; large size.

Papa Gontier. Rosy red; full and sweet.

Richmond. One of the best red roses; flowers large, handsome and sweet.

Safrano. Apricot yellow; a fine old rose.

Souv. de la Malmaison. Flesh color; first class.

Uncle John. Buff flowers shading to white and pink; a first rose for outdoor planting.



BRIDESMAID.

Collections of Everblooming Roses

When Ordering Give Simply the Name of Collection.

The Wedding Bells Collection. Three superb everblooming roses: **Bride**, white; **Bridesmaid**, pink; **Richmond**, red; the finest of all for cut flowers. The most popular collection in our list. Price, 28c.

International Collection—6 Superb Roses for 50c.

Etoile de France. Velvety crimson.

Etoile de Lyon. The best golden yellow.

Grús an Teplitz. A red red rose.

Kaiserin Augusta Victoria. White.

Killarney. A fine new pink rose.

Wellesley. A beautiful shade of pink; long keeper.

Above are pot grown plants. They are sent postpaid at prices here named

“La France” Set 4 Roses for 33c

Everybody admires the delightful fragrance and beauty of La France. This set always pleases.
La France. Silvery red, shaded with pink.
Champion of the World. A grand, hardy, everblooming rose. Vigorous grower. Large, double pink flowers.
Duchess of Albany. Rose pink. Recommended for planting in open ground or in pots.
Princess Bonnie. Crimson, petals striped white.

20th Century Collection

5 Hardy Roses for 50 Cents

Clio. The flowers are perfect in form, with fine, broad petals, and are beautiful at all stages of development; color delicate satin blush, with a shading of rosy pink at center. Free blooming and strong, healthy grower.
Frau Karl Druschki or White American Beauty. Very large, fragrant snow white flowers; perfectly double; blooms the entire season.
Mrs. E. G. Sherman Crawford. Color is a deep rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique.
Marchioness of Lorne. Large, full, cup shaped; buds long and handsome; rich shining rose color with vivid carmine; hardy, fragrant.
Margaret Dickson. The flower is of magnificent form, very double, and the color is a waxy white; petals are large, shell shaped, and prettily curled back; very beautiful.



Memorial or Trailing Roses

They are so hardy that their leaves are retained nearly all winter long. The foliage is leathery in texture, bright green in color, and is not attacked by insects of any kind.

Wichuraiana or Memorial Rose. It is as hardy as grass; will grow in sun or shade. It creeps on the ground like ivy. White, single flowers with yellow discs. Each 10c; 3 for 25c.

New Irish Roses

Hugh Dickson. A free, perpetual bloomer; color brilliant crimson shaded with scarlet. Large flowers of fine form; smooth petals, slightly reflexed on the edges.
J. B. Clark. Color intense deep scarlet, shaded with blackish crimson like the sheen on a plum. Very fragrant.
 Each 15c; the 2 for 25c.
Killarney. The flowers are very large, the buds long and pointed. Color, beautiful satiny pink, shaded and suffused pale pink. Each, 15c.

In Remembrance Collection

3 White Roses for 30 Cents

The following three sorts are recommended for cemetery planting. Once set out they are there permanently. They are hardy, and need little or no pruning.

Coquette des Alps. White tinged with blush; sweet scented.
Coquette des Blancches. White, tinted in center with cream color.
Madam Plantier. Pure white. A profuse bloomer. The bush should never be pruned. Hardy as an oak; it holds its own against all comers.

Big 4 of Hardy Red Roses Big 4 of Hardy Pink Roses

Alfred Colomb. Carmine crimson.
Gen. Jacqueminot. Crimson scarlet.
Gen. Washington. Glossy scarlet.
Ulrich Brunner. Cherry red.
 Each 12c; the 4 for 40c.

When an entire collection is not desired, selection of any of the varieties offered on this page may be made at the following rates: 12c each; three for 30c.

Anne de Diesbach. Shell pink.
M. Gabriel Luizet. Coral rose.
Magna Charta. Rosy red.
Mrs. John Laing. Bright pink.
 Each 12c; the 4 for 40c.

Northland Collection

16 Hardy Roses \$1.50

This collection is made up from the hardest varieties of the Hybrid Perpetual Class. It is selected especially for northern localities where the winters are severe. The assortment comprises none but exceptionally desirable varieties and will give satisfaction to all purchasers.

Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Shell pink.
Caprice. Striped pink and white.
Coquette des Alps. Blush white.
Coquette des Blancches. Creamy white.
Francois Levet. Cherry-red.
Gen. Jacqueminot. Crimson-scarlet.
John Hopper. Rose pink.
Madame Gabriel Luizet. Coral rose.
Madame Plantier. Pure white.
Magna Charta. Rose pink.
Mrs. John Laing. Pink.
Oakmont. Deep pink.
Paul Neyron. Pink.
Price Camille de Rohan. Maroon.
Ulrich Brunner. Cherry red.

Additional List of Hardy Roses

American Beauty. Flowers very large and double; color, rich crimson.
Baron de Bonstetten. Blackish crimson with bright red shading.
Caprice. A striped red rose; ground color soft pink marked with rose.

John Keyes. Finely formed flowers; color, deep reddish maroon.
Jules Margotten. Bright carmine.
Marshal P. Wilder. Scarlet.
 Each 12c. 3 for 30c.



BABY RAMBLER

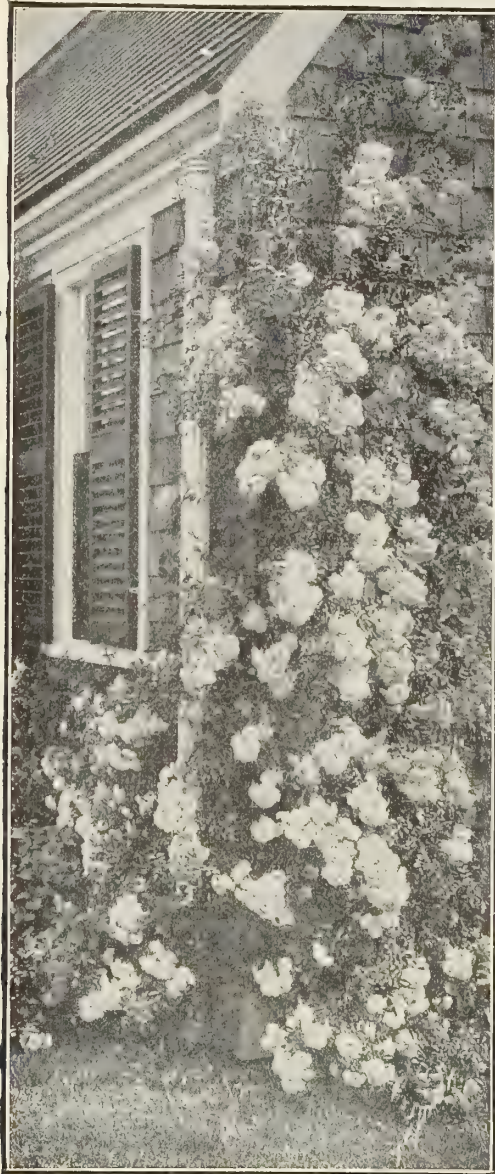
Moss Roses

They are quite hardy, succeeding in any good soil. The beauty of the flowers is enhanced by the mossy covering which surrounds the buds.
 Each 15c; 3 for 40c.

Baby Rambler

A dwarf, erect grower. A perpetual bloomer. Hardy; will stand our winters. An excellent bedder and a fine pot plant. Its crimson flowers are borne in clusters. All lovers of roses should have this one.
 Each 15c; 2 for 25c.

Above are pot-grown plants; they are sent postpaid at prices herein quoted



DOROTHY PERKINS ROSE

Hardy Climbing Roses

The Hardy Climbing Roses grow with great rapidity, and will cover an old building or wall in a very short time. They bloom after the Hybrid Perpetuals, and produce their flowers abundantly in large clusters.

Price, 10 cts. each; three for 28 cts., postpaid.

Baltimore Belle. Pale blush, variegated carmine, rose and white; very double; flowers in beautiful clusters.

Dorothy Perkins

In its foliage, growth and habit of blooming, it is remarkably like Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color, and hold a long time without fading. The flowers are also very sweetly scented.

Queen of the Prairies. Rosy red. Blooms in clusters.

New Climbing Roses

Climbing Frau Karl Druschki. A rose novelty. Its flowers, like those of its parent, are pure white, of large size, perfectly double and very fragrant. It makes an attractive rose grown on a pillar. Each, 20c.

Lady Gay. Flowers are of a delicate cherry pink color, which fades to soft white. The foliage is very profuse and of a glossy deep green shade. Each, 12c.

Five Royal Rambler Roses

One of Each, All Different, for 50c Postpaid.

Rambler Roses are suitable for training on walls, verandas, trellises, arbors and pillars, and as specimen pot plants for winter forcing. The flowers are well formed and, though small, are produced in so great profusion as to present an immense mass of bloom.

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.

NOTE.—All the above plants, as well as those offered on two preceding pages, are pot grown. They are sent by mail, postpaid, at prices named.

Best blooming, fragrant garden Strong two-year old bushes. **Roses**

During the spring months we carry in stock quantities of dormant Hybrid Perpetual, Climbing, Moss and Tree Roses. They are much larger 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.

Dormant 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.
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. Flesh color.
Coquette des Alps. Pure white.
Fisher-Holmes. Rich velvety crimson, large and fragrant.
Francois Levet. Clear bright rose, shaded carmine.
General Jacqueminot. Rich velvety crimson; magnificent bud.

General Washington. Red, shaded with crimson.
Giant of Battles. Intense crimson.
La France. Silvery rose, flower large and of distinct fragrance.
La Reine. Clear light rose.
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.
Ulrich Brunner. Cherry red flowers.

Dormant Climbers

Field Grown Plants, each 25c.

They are two and three-year-old plants with long canes.

Yellow, Pink, White, Crimson, } Rambler Roses

Baltimore Belle.

Prairie Queen.

Seven Sisters.

TREE ROSES. 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.

Choice Indoor and Bedding Plants

Plants under this Heading can be supplied up to about June 1

Abutilons

Beautiful foliage and flowering plants for house or garden. Constant bloomers.

Arthur Belsham. Red flowers.

Golden Bells. Best yellow.

Infanta Eulalie. Soft satin pink.

Souv. de Bonn. Bright orange; its green leaves bordered white.

Each, 12 cts.; 3 for 30 cts.

Ornamental Asparagus

Sprengeri (Emerald Feather). Especially useful for suspended baskets in the house.

Plumosa. Of upright growth; its foliage as fine as delicate lace.

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, 15c; 3 for 40c.



THURSTONII.

Flowering Begonias

They are of the easiest culture and any soil, if well watered, will insure success. As pot plants for the window and conservatory, both for winter and summer blooming, they have few equals.

Alba picta. Dark green, ear-shaped leaves, spotted with white.

Argentea Guttata. Oblong leaves; purple in color with silvery markings.

Foliosa. The smallest leaved Begonia. Bright pink flowers.

Pres. Carnot. Large foliage; upper side deep green, underside purplish. Flowers coral red; drooping.

Sandersonii. Bright, scarlet flowers.

Thurstonii. Thick heavy foliage, green above, red below. Flowers, shell pink. Illustrated above.

Each, 12 cts.; 3 for 30 cts.



Rex Begonias

One of the most beautiful of house plants. Keep the foliage free from dust. Several varieties in stock; if you order two or more we will send different ones.

Each 12 cts.; 3 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.

Each, 10 cts.; 6 for 50 cts.

Boston Market. Ivory white; an excellent variety.

Cardinal. Bright crimson; flowers of enormous size.

Eldorado. Light clear yellow; the edges of petals tipped with white.

Enchantress. Delicate shade of light silvery pink; very large flowers.

G. H. Crane. Fine large red flowers on stiff stems.

Harlowarden. Always full of buds; bright crimson with light shadings.

Lady Bountiful. Pure glistening white.

THE PREMIER QUARTET OF CARNATIONS.

For 40c Postpaid.

G. H. Crane, the best red.

Mrs. Thos. Lawson, the best pink.

Boston Market, the best white.

Eldorado, the best yellow.

Mrs. E. A. Nelson, fine pink.

Mrs. Thomas W. Lawson. It is claimed that \$30,000 was paid for the original plant. The stems are the longest and strongest; the color purest rose pink.

Garden Carnations

Or Scotch Pinks

Entirely hardy. Very fragrant. All shades of color from pure white to light red. Each, 10c.

Choice Coleus

Firebrand. Dark crimson, shaded scarlet; has strong foliage.

Golden Bedder. Deep golden yellow. Good to contrast with dark ones.

Queen of the West. Variegated foliage; handsome and desirable.

Verschafeltii. Velvety crimson. One of the best for bedding.

Each, 12 cts.; 4 for 40 cts.

Chrysanthemums

Black Hawk. Dark crimson.

Col. Appleton. Yellow; early.

Geo. W. Childs. Velvety crimson.

Glory of the Pacific. Beautiful pink; large and full.

Golden Wedding. A grand golden-yellow variety; flowers globular.

Ivory. Pure white; unexcelled for pot culture; splendid cut flower.

Major Bonaffon. 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.

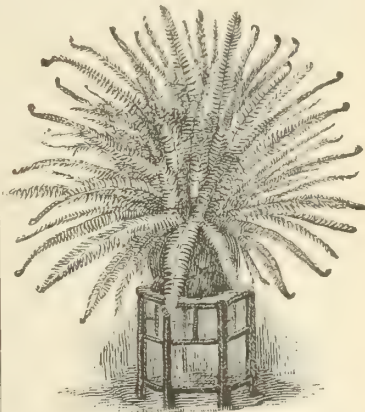
Mrs. Henry Robinson. A perfect and handsome ball of white.

Mrs. J. Jones. Creamy white.

Timothy Eaton. Pure white. Very large, globe shaped flower.

Each, 10 cts.; 3 for 30 cts.

One each of pink, red, white and yellow (our selection), 40c postpaid.



Boston Fern

This fine window plant is so easy to cultivate, so ornamental and such a rapid grower that it is a favorite with everybody. Its long, graceful drooping fronds sometimes attain a length of four or five feet in a year. The leaves have at all times a bright, healthy appearance. Not affected by insects nor changes in temperature. Nice, thrifty plants, each 12c.

Above are pot plants. They are sent by mail postpaid at prices here named



Fuchsias

Easily Grown Sure to Bloom

Marked * Are Single Flowered.

***Black Prince.** Carmine pink. The best single fuchsia grown.

***Gigantea.** Tube and sepals carmine; corolla, light magenta.

Gloire des Marches. Double white flowers. An exceptionally fine large variety.

***Little Beauty.** Red tube and sepals; corolla purple.

Mrs. E. G. Hill. The best fuchsia with double white corolla.

Phenomenal. Sepals are carmine; large purple corolla.

***Speciosa.** Sepals white, corolla scarlet. One of the best in cultivation.

Each, 12 cts.; 3 for 30 cts.

Geraniums

Marked * Are Single Flowered.

Beaute Poitevine. Best salmon colored Geranium for bedding.

Countess of Harcourt. Pure white.

***Clyde.** Soft scarlet; fine pot plant.

E. H. Trego. The best double scarlet Geranium yet introduced.

Jean Viaud. Pink with white eye; semi double. Vigorous compact grower.

***L'Aube.** The best snow white.

***Madame Bruant.** White and rose.

Madam Jaulin. Pink bordered with white; semi-double.

S. A. Nutt. The best crimson. Fine bedder or pot plant.

Rose - Scented Geranium

Grown for the delightful fragrance of its foliage, which is most useful in making up bouquets.

Any of Above Geraniums, 12c each; 3 for 30c.

Ivy Leaved Geranium

Gallilee. Double pink; makes a fine plant in a hanging basket. 12 cts.

Heliotropes

Heliotropes are both handsome and fragrant. They like abundance of sunshine.

Madame Bruant. Dark blue.

Snow Wreath. Nearly white.

Each, 12 cts.; both for 20 cts.

Chinese Hibiscus

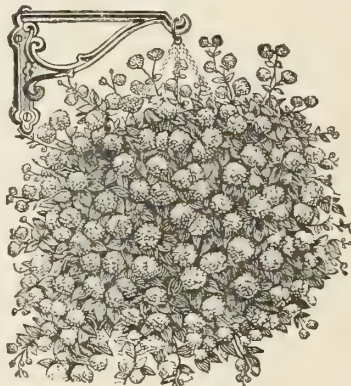
Largely used for bedding out and equally valuable for pots. They have showy flowers and glossy green leaves.

Double Crimson.

Peachblow. Rich pink double flowers with carmine center. A fine house plant. Rapid grower.

Versicolor. Large single flowers; bright red striped, with white; striking and attractive.

Each 12 cts.; 3 for 30 cts.



Lantanas

For bedding and for baskets they are very popular. Can supply in four different colors. The illustration gives some idea of the pink flowered weeping Lantana. Each, 10 cts.; all 5 for 45 cts.

American Wonder Lemon

May be grown in a 6-inch pot. Deep green leaves and fragrant waxy flowers. Fruit large, heavy, edible and juicy. No grafting or budding required. Each, 15 cts.

Otaheite Orange

A dwarf sort that grows, blooms and fruits freely in pots. It bears white fragrant blossoms and small yellow fruit. Each, 15 cts.



Kentia Palm

Succeeds well where few other plants would live. It is of slow growth, but is not affected by the dust and dry air of the house. Fine thrifty plants, each 18 cts.; two for 30 cts.

Umbrella Palm

A graceful decorative plant which grows readily in water. The leaves radiate from the stem and curve downward in a drooping manner. Grown in a pot, is valuable for the window garden. Each, 12c.

Double Petunias

Plants of the easiest culture, producing flowers in profusion. Excellent for bedding and pot culture. They are among the most desirable plants. Crimson, pink, maroon, white, variegated. Each, 12c; all 5, 50c.

Salvia Splendens

The scarlet sage is a bedding plant that is covered all summer and fall with long spikes of dazzling red flowers. Remains in bloom until cut down by frost. This is one of the plants everybody can and should cultivate.

Each, 10 cts.; 3 for 25 cts.

Solanum (Jerusalem Cherry)

A shrubby plant of dwarf growth and ornamental foliage. The little scarlet cherries remain upon the plant a long time. 12 cts.

Violets

California. Rich violet blue that does not fade.

Lady Hume Campbell. Most valuable double blue violet in cultivation. Of healthy growth and free bloomer.

Swanley White. Double. One of the desirable varieties on account of its color.

Each, 10 cts.; 3 for 25 cts.

Above are pot grown plants. They are sent postpaid at prices here named

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.

Quinquefolia (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.)

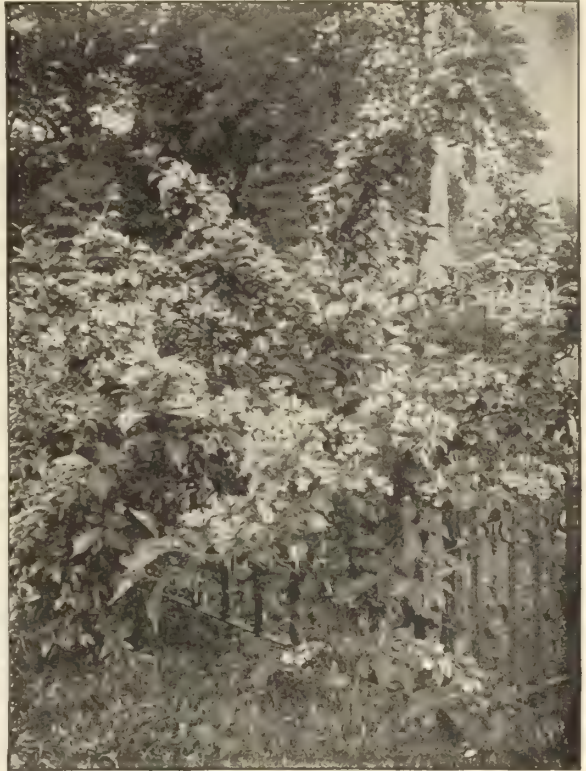
A superb, much admired shrub, bearing in June great clusters of white flowers in the form of a snowball.

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. (Symphoricarpus.)

Bears in summer small pink flowers, followed by large white berries that hang on the bush nearly all winter. Strong plants, 35 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.

NOTICE.

Owing to limited space we have described here but a few of the most popular ornamental shrubs. If there are others you wish to purchase, correspond with us. State quality desired and size or age. We recommend the large field-grown stock as it all well-rooted and much more likely to give satisfactory results in a short time.

Those wishing shrubbery in large numbers should ask for special prices.

Orders for Shrubbery should reach us not later than the middle of April, as by that time the plants have begun to leaf out.



SPIREA VAN HOUTTEI.

SPIREA. (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.

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, PÆONIES 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, 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.

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 April 15, 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 Candler. 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.

Baldwin. 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

Brandywine. Late; heart-shaped.

Climax. Early; large fruit.

Fairfield. Early; roots deeply; thrives upon dry soils.

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.

Stevens' Late Champion. Large, bright colored, fine flavor, heavy yielder.

Wm. Belt. Midseason. Bright red.

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, \$3.00.	
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.

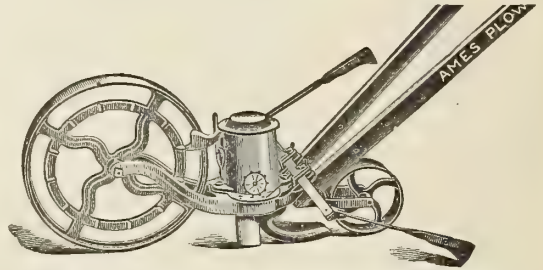
SPECIAL PRICES.—If you raise Onions or Garden Truck and can use one or more of these Implements and some garden seeds let us know your requirements and special prices will be quoted to you by mail. Write to-day.

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.**

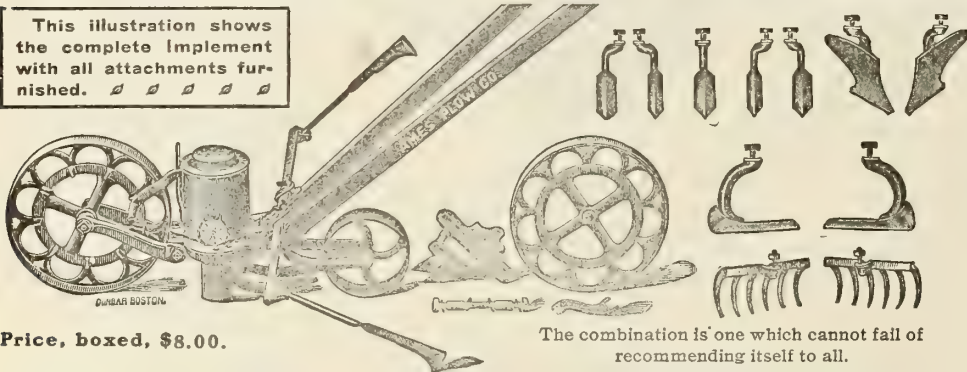


MATTHEWS GARDEN GEM DRILL

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, \$5.50.

New Universal Expansion Double Wheel Hoe, Cultivator, Plow and Rake

Price, boxed, \$6.00.

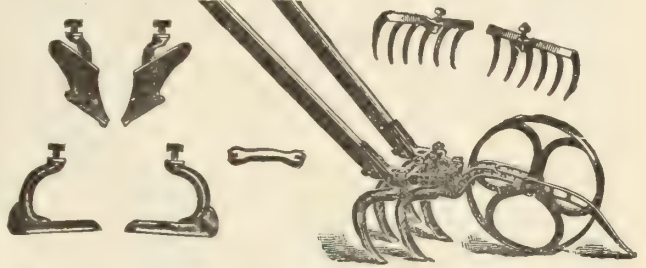
The wheels in this machine are 10½ inches in diameter. Has expansion pads, spring steel arch and brace.

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.

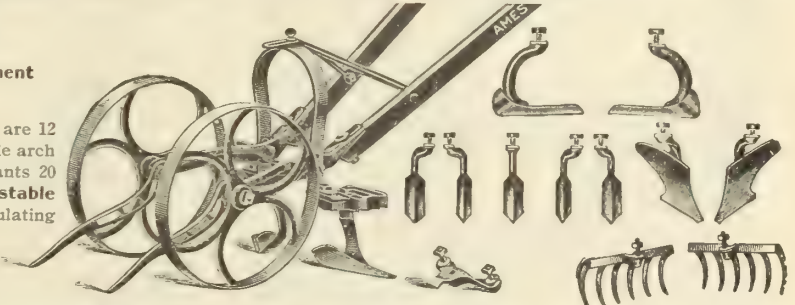
PRICE, Boxed, \$7.50.

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.

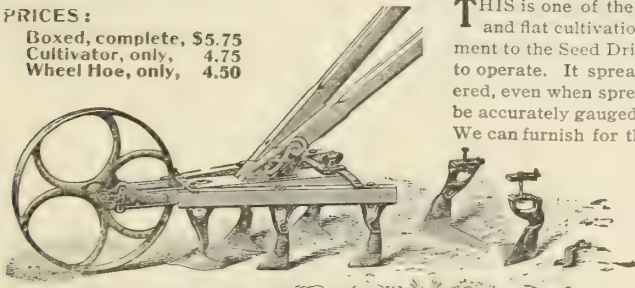
HIGH ARCH EXPANSION WHEEL HOE with hoe blade only. Price, boxed, \$5.25.



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.

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 standing, thus combining several implements. Price, \$7.25 f.o.b. cars Chicago



N. U. Hollow Steel Standard Horse Hoe and Cultivator

Strictly first-class in every way, and the equal of any implement in the market. Price, \$6.25.

Planet Jr. Farm and Garden Implements

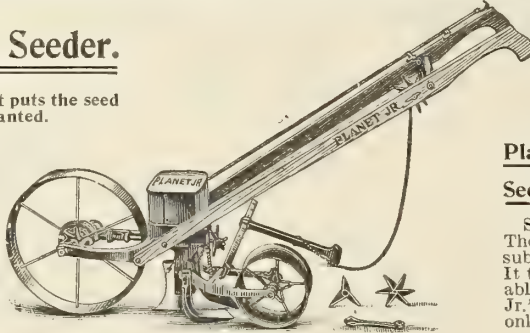
Are known the world over. They can be bought from us as cheap as anybody; besides that, we prepay the freight on Planet Jr. Tools to any station East of the Rocky Mountains. Many other styles than here shown can be supplied.

Man Power "HILL and DRILL" SEEDERS==Plain and with Cultivators

Planet Jr. No. 5, Seeder.

For both hills and drills. It puts the seed right on the spot where it is wanted.

It sows evenly in drills and also drops in hills at 4', 6', 8', 12 or 24 inches. No time is lost; no seed is wasted. It sows equally well with a full hopper or a table spoonful of seed. Hopper holds five quarts. Price, \$12.50.



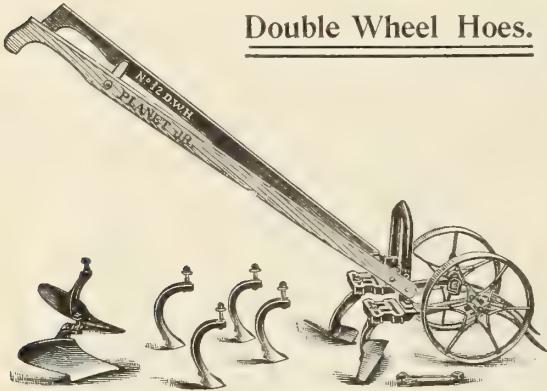
PLANET JR. SEEDER NO. 5.

Hill and Drill Seeder No. 3

Same tool as No. 5, except that it is smaller. It will do equally as good work. Hopper holds 3 quarts. Price \$10.50.

Planet Jr. No. 4, Hill and Drill Seeder and Cultivator Combined

Sows and drops the same as No. 3. 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 \$11.00; as a Drill only, \$9.00.



Planet Jr. No. 12, Double Wheel Hoe, Cultivator and Plow.

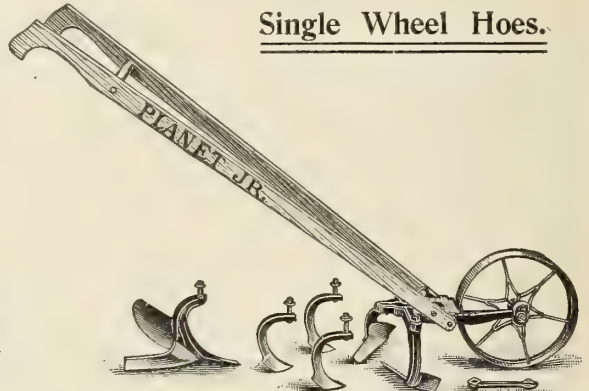
The amount of work which can be done with this machine is almost incredible. The machine has an unusually large equipment—seven pairs of tools in all. Price \$6.85.

Planet Jr. No. 11, Double Wheel Hoe.

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 \$9.00.

Planet Jr. No. 13, Double Wheel Hoe==Plain.

This is the same as the complete machine, except that it is furnished with a pair of hoes only. Price, \$4.50.



Planet Jr. No. 16, Single Wheel Hoe, Cultivator Rake and Plow.

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, \$5.50.

Planet Jr. No. 17, Single Wheel Hoe.

This machine is much the same as No. 16, with the exception that the rakes are omitted. Price, \$4.75.

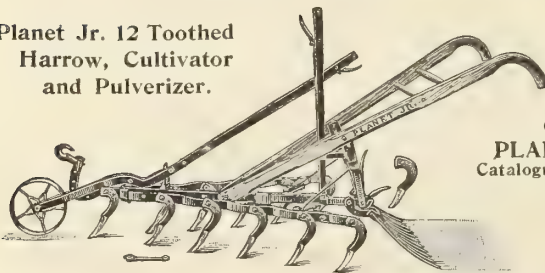
No. 17½. With 2 hoes, 3 cultivator teeth, and leaf-lifter, \$4.25.

Planet Jr. No. 18, Single Wheel Hoe.

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, \$3.25.

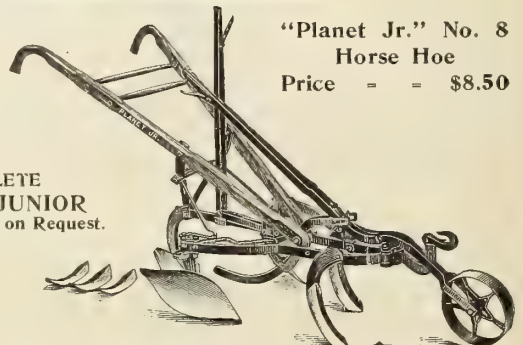
PLANET JUNIOR IMPLEMENTS for Horse Power.

Planet Jr. 12 Toothed Harrow, Cultivator and Pulverizer.



For thorough, fine work, without throwing earth on small plants, much valued by market gardeners. Price, less wheel and pulverizer, \$6.00; complete, \$9.00.

COMPLETE
PLANET JUNIOR
Catalogue Sent on Request.



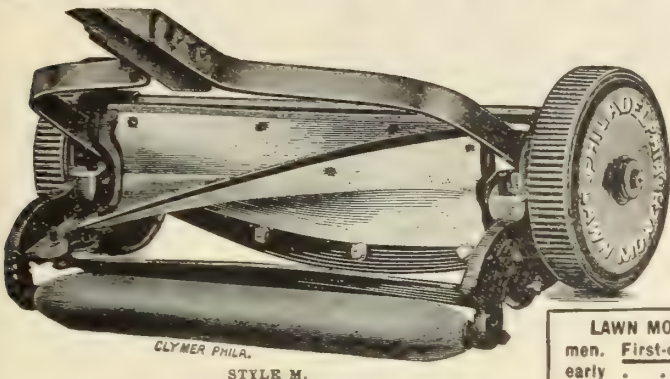
"Planet Jr." No. 8
Horse Hoe
Price = = \$8.50

With all attachments, expanding lever; thoroughly first class in every particular. Price, \$9.00.

The Genuine Philadelphia

LAWN MOWERS.

Full descriptive circulars mailed on application....



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 6 1/4 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, 14, 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 8 1/4 inch drive wheel. It runs lightly, does fine work and is a valuable addition to the list.

NET PRICES FOR 1908

Style A.		Style K.	
15 in.	\$ 9.75	14 in.	\$6.00
17 in.	11.00	16 in.	6.75
19 in.	12.00	18 in.	7.25
21 in.	13.25	20 in.	7.75
Style E, High Wheel.		Styles T, M and C.	
15 in.	\$ 7.50	10 in.	\$4.00
17 in.	8.25	12 in.	4.50
19 in.	9.00	14 in.	5.00
21 in.	10.25	16 in.	5.50
Style Golf.		18 in.	6.25
15 in.	\$10.75	20 in.	6.75
17 in.	12.00	Price on	
19 in.	13.00	HORSE MOWERS	
21 in.	14.25	made on application.	

THE ALL-DAY MOWER

Width of cut, 14, 16 and 18 inches. Has 10-inch wheel, four-blade cylinder. 14 in., \$4.25; 16 in., \$4.75; 18 in., \$5.25.

GENUINE PHILADELPHIA HORSE MOWING MACHINES.

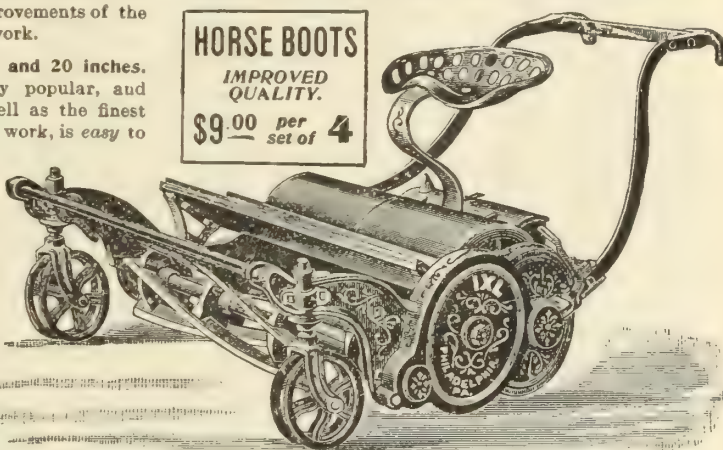
These machines are intended for parks and large open grounds, and are constructed in a most thorough manner. They are designed to be what they have already proved themselves to be—THE BEST HORSE LAWN MOWER FOR PARKS OR LARGE LAWNS EVER MADE. They will be found on government grounds, public grounds and 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.

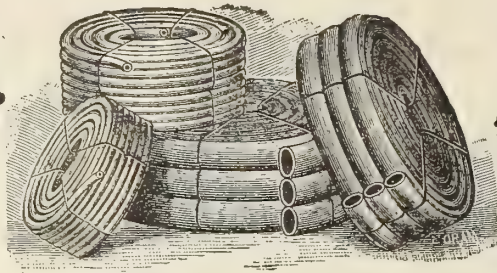
Eight blades; height of drawing wheel, 10 inches; diameter of cylinder, 7 1/4 inches; train of three gears on one side of mower; either drawing wheel will work the mower. Various sizes. Send for special circular and prices.



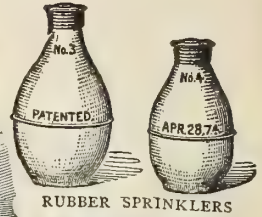
DIBBER.



PUTTY BULB.



Garden and Greenhouse Hose.



RUBBER SPRINKLERS



COOPER HOSE MENDER

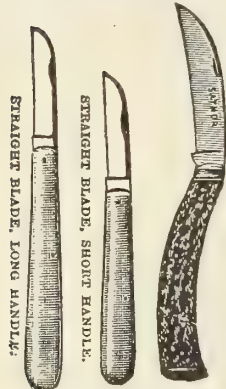
GARDEN LINE AND REEL.



GLAZING POINT.



Glass Cutter



STRAIGHT BLADE, LONG HANDLE.

STRAIGHT BLADE, SHORT HANDLE.

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.....\$1.00
24-inch long, holds 8 oz. powder..... 1.25
Jumbo Powder Gun. Each..... .25
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, Cocper'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. By piece: yard, 10c.	Light Grade. Yard, 5c. By piece: yard, 4c.
Medium Grade. Yard, 8c. By piece: yard, 7c.	Pieces contain from 40 to 60 yards.

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; lb., 25c. Not prepaid.

Dyed, in red, pink, blue, yellow, orange, green and black. ¼ lb., 20c; lb., 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 Talacre. 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.



WATERS IMPROVED TREE PRUNER.

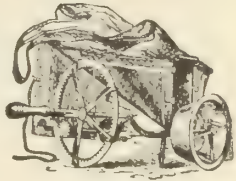


GARDEN TOOLS AND SUNDRIES.—Continued.

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.

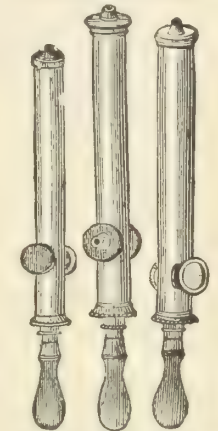
Made of galvanized iron; long spouts.
American. 8 quart capacity, each, \$1.90.
American. 10 quart capacity, each, 2.10.
American. 12 quart capacity, each, 2.30.

WEEDERS

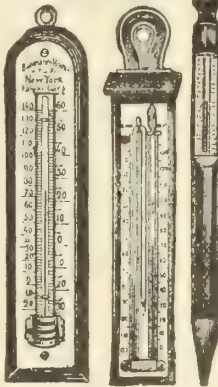
Excelsior. For weeding seed beds, etc. Each, 15c, by mail, 20c.
Hazeltine. Made of steel, has double edges, can be ground very sharp. Each, 20c, by mail, 25c.
Lang's. A very useful little tool. Each, 20c, by mail, 25c.

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



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



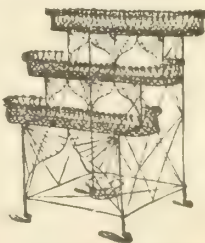
\$2.50 per 100 lbs.

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.

EFFECTIVE FERTILIZERS OF SUPERIOR QUALITY

WE HANDLE but one grade of **FERTILIZERS**, the **BEST**. Special quotations to buyers of large quantities. "Feed the soil and the soil will feed you." Crops cannot 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.



Excellent top dressing for lawns. Its effect is immediate and lasting. Use at the rate of 500 lbs. per acre. For pot plants mix one quart manure to six quarts of soil. For the vegetable garden, spread over the surface one ton to the acre and dug in, it promotes speedy growth and rapid maturity. 10 lbs., 25c; 25 lbs., 40c; 50 lbs., \$1.00; 100 lbs., \$1.50; 500 lbs., \$6.50.

Bone Meal.

Guaranteed pure bone and equal to any brand. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil, 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; bag of 200 lbs., \$3.50; 500 lbs., \$8.00; 1,000 lbs., \$15.00; ton, \$30.00.

Bone and Blood.

Recommended for mixing with potting soil, application to soil on benches for carnations, and for all vegetables. In garden plots apply one or two tons per acre. In rows or drills one or two hundred pounds to the acre will suffice. 100 lbs., \$1.75; 500 lbs., \$7.50; 1,000 lbs., \$14.00; per ton, \$27.50.

Lawn Fertilizer.

Dry, clean and free from weed seeds. If applied two or three times during the season at rate of one pound to one hundred square feet of lawn, just before a good rain, the grass roots are fed by it and the lawn retains a healthy appearance. 10 lbs., 45c; 25 lbs., 95c; 50 lbs., \$1.75; 100 lbs., \$3.00.

Unleached Hardwood Ashes.

Drives away insects and improves the texture of the soil. Use 1 to 2 tons per acre. It is very beneficial for all garden and field crops. Recommended to cabbage and onion growers. Of much value for grass land and lawns. 25 lbs., 50c; 50 lbs., 85c; 100 lbs., \$1.25.

Nitrate of Soda.

A fertilizer for all crops. It acts quickly and hastens maturity of crops. Should be applied broadcast and evenly, after the plants are up, at the

rate of 100 lbs. per acre. Price (subject to market changes): 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.25.

Peruvian Guano.

The Genuine Article. It is valuable for stimulating Celery, Lettuce, Melon, Radish, etc. Use at the rate of about 1,200 lbs. to the acre. Price (subject to market changes): 10 lbs., 60c; 25 lbs., \$1.25; 100 lbs., \$4.00.

Bowker's Plant Food.

Made especially for pot plants. Clean, free from odor. Stimulates growth, increases vitality. Directions with each package. Small size, 15c, by mail 25c; large size 25c, by mail 35c.



Plant Food Tablets.

A new scientific, odorless concentrated fertilizer for potted plants and vegetables. Used by dissolving in water. Drives insects and worms from the soil. Trial size box, enough for ten house plants for three months, 10c. Regular size box, sufficient for 35 plants for 3 months, 25c postpaid.

INSECTICIDES and REMEDIES for PLANT DISEASES

THE RESULTS obtained from the use of any insecticide or fungicide depend much upon the operator, says Prof. Bailey. Timeliness, thoroughness and persistence are the watchwords of success. It is easier to keep any enemy away than to drive him away.

Dry powder and soaps—non-poisonous—can be forwarded by mail. Postage 16c. per lb. additional. Liquid insecticides are not permitted in the mails.

Aphis Punk. For fumigating vegetable forcing houses and greenhouses. The fumes of the burning punk kill aphis and thrips. Pkg. (12 rolls), 60c.



Pat. Mar. 16 & Nov. 9, 1897

BUG DEATH. Not only kills the bugs but feeds the plants. Cheaper than Paris Green. Lb., 15c. Duster to apply the powder, 35c.

Fir Tree Oil. Kills mealy bug, black and green fly, red spider, etc. Directions on can. Pint, 75c.

HELLEBORE. Destroys currant worms and rose slugs. Lb., 25c; 5 lbs. for \$1.00.

NICO-FUME. This is paper strongly saturated with nicotine. 24 sheets, 70c; 100 sheets, \$3.50.

Nico-Fume Liquid. ¼ pint, 50c; pint, \$1.75.

NICOTTEEN. A powerful extract for fumigating or spraying. Pint, \$1.50.

Nicoticide. Fumigating compound. 4 oz., 70c; ½ pt., \$1.25.

PARIS GREEN. The best in the market, sure death to potato bugs, slugs, caterpillars, etc. Use dry or in solution. Price, subject to market. Lb., 40c; 5 lbs., \$1.85.

SLUG SHOT. A non-poisonous insecticide. It is cheap and very effective. It is easily applied and contains nothing in the least injurious. Destroys potato bugs, beetles, green and black fly, melon, squash and cucumber bugs, etc. 5 lb. package, 30c; 10 lbs., 50c.

Slug Shot Duster. Tin, each, 35c.

SOAP. Sulpho-Tobacco. A superior insecticide and fertilizer. Sure death to all plant insects in and out of doors. A superior wash for dogs and all animals. Cakes, each, 14c and 25c postpaid. Directions accompany each.

SOAP, Whole Oil. Used as a wash on fruit trees, etc. Lb., 15c; 2 lbs. for 25c; 5 lbs., 50c.

Rose Leaf Extract of Tobacco. 1 pint, 30c; 1 quart, 50c; 1 gal., \$1.25; 5 gal. can, \$4.25.

Tobacco Stems. Used for fumigating and as a mulch. 10 lbs., 50c; bale (about 200 lbs., more or less), \$1.25 per 100 lbs.

Tobacco Dust. Sure death to green fly. 5 lbs., 25c; 100 lbs., \$2.25.

Tobacco, Powdered. More powerful than dust. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 100 lbs., \$4.75.



Bordeaux Mixture (Dry). The best remedy for mildew, black rot, leaf curl, etc. 1 lb. makes 5 gallons of solution. Lb., 20c.

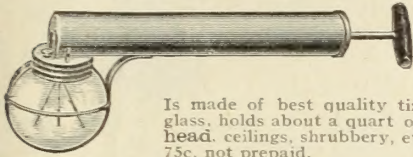
Bordeaux Mixture and Paris Green. Lb., 25c.

Grape Dust. Destroys mildew, mould and rust in greenhouses or open air. Lb., 35c.

Powdered Sulphur. Prevents and cures mildew on grapes, roses, etc. Lb., 10c. 10 lbs., 60c.

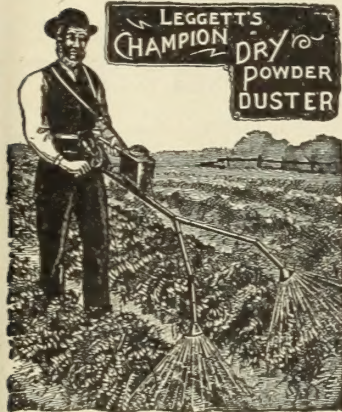
Spraying and Dusting Implements

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 Tennent Atomizer

Is made of best quality tin. The receptacle, of heavy glass, holds about a quart of liquid. Will spray overhead, ceilings, shrubbery, etc. Two sizes, each 50c and 75c, not prepaid.

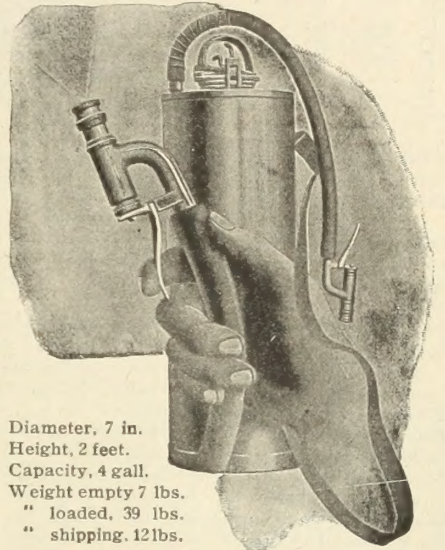


The Auto-Spray

Can be used for spraying all garden, farm and greenhouse crops, disinfecting stables, hen houses, etc., and for low trees if extension pipes are ordered. Any fluid concoction can be applied with it, even to whitewash. 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.

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, 12lbs.

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. length35

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

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. Avoid relation with melons, cucumbers or squash. Do not work when wet.	for two hours in closed vessel 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"	Keep air moist. Spray with soap and water	Spray often with Bordeaux.
Corn	Rust	Clean stock. New soil.	
Cucumber	Smut Mildew	Use seed from clean fields. Burn infested ears Spray with ammoniacal copper solution	
Melons	Rust (see Beans)	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	Striped Beetle 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.	
Current and Gooseberry	Worm. Mildew. (See Cucumber)	As soon as seen, spray with Paris green or London purple.	Later with hellebore (dust or -in 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.	
Rose	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	Hedges, Windbreaks, etc. (Powell).....	\$.50
* Art of Propagation of Trees, Plants, etc......	.30	Hemp. Culture for Seed and Fiber.....	.50
Asparagus Culture (Hexamer). Advice on Planting, Cultivation, Harvesting and Marketing.....	.50	Horticulturist's Rule Book (Prof. Bailey). Valuable for workers in garden, greenhouse, or farm.....	1.00
Broom Corn and Brooms.....	.50	Insects and Insecticides (Weed).....	1.50
Bulbs and Tuberous Rooted Plants (Allen).....	1.50	* Market Gardener, The Young (Greiner).....	.50
Cabbage, Cauliflower (Allen).....	.50	Mushroom Culture (Robinson). English.....	(out of print)
Corn, The Book of, (Myrick).....	1.50	Mushrooms, How to Grow Them (Falconer) A standard work on the subject.....	1.00
Dahlia Manual, The Beautiful illustrations.....	.30	Nursery Book, The (Prof. Bailey). A complete guide to the multiplication of plants.....	1.50
Farmer's Cyclopaedia of Agriculture. An essential reference book for students and all engaged in farming. 800 large pages; beautiful illustrations..	3.50	Onions for Profit (Greiner).....	.50
* Flax Culture in the United States.....	.30	Potatoes (Fraser).....	.50
Floriculture, Practical (Henderson).....	1.50	Prize Gardening. 350 pp New. Great Value.....	1.00
Forage Crops other than grasses (Shaw).....	1.00	Pruning Book, The (Bailey). Explains in detail..	1.50
Forcing Book. Vegetables under Glass (Bailey)....	1.00	Rhubarb Culture, The New (Morse). A guide to dark forcing and field culture.....	.50
Fumigation Methods (Johnson).....	1.00	Rose, On the (Parsons).....	1.00
Gardening for Pleasure. (Henderson).....	1.50	Sugar Industry, The American	1.50
Gardening for Profit (Henderson).....	1.50	Spraying of Plants, The (Lodeman). Why, when and how to apply liquids and powders to destroy insects and fungi.....	1.00
Garden Making (Prof. Bailey).....	1.00	Strawberry Culturist. Illustrated. (Fuller).....	.25
Ginseng. How to Cultivate and Market (Kains).....	.50	Systematic Pomology (Waugh).....	2.00
Grape Training, American (Prof. Bailey).....	.75	Vegetable Gardening (Green). For amateurs and market men (In paper covers, 65c).....	1.00
Grasses. How to Grow Them (Shaw).....	1.00		
Grasses and Forage Plants (Flint).....	2.00		
Greenhouse Construction (Prof. Taft).....	1.50		
Greenhouse Management (Prof. Taft).....	1.50		
Handbook of Plants. Valuable information on Vegetables, Flowers, etc. (Henderson).....	3.00		

* 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). 1 oz. (or pint) average will sow:	To sprout well (the thermometer in the soil should read sh. av.)	Approximate date to plant seed.	Name of VEGETABLE	HOW TO BE PLANTED.		DEPTH to cover	THIN to ?	Time for Crop to mature	APPROX. YIELD under favorable conditions varies with season and soil.
					Drills	Hills				
South slope. Sandy loam, well manured the previous year.	1 pint to 200 ft. 6-9 seeds to ft.	75°	May 15 to June 15	Bush Bean	2-3 ft.	.....	2 in.	1 in to 1 ft.	45-65 days.	75-120 bu. pods.
Warm, light soil. Manure in the hill with quick starter (blood or bone).	1 pint will plant 80 hills, 6 seeds each	80°	May 15 to June 15	Pole Bean	.....	4 x 4	2 in.	3-4 plants.	60-70 days.	75-100 bu. dry beans.
Fine, clean sandy loam, deeply stirred, rich with well rotted manure.	300 ft., 8 seed balls to a foot.	75°	Mar. 15 to Apr. 15	Beets, Early	13 to 15 in.	.....	1 in.	4 in.	65 days.	400-700 bu., or 1000-1200 buin.
Not quite so rich, otherwise the same.	300 ft., 8 seed balls to a foot.	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°	Mar. 15 to Apr. 15	Cabbage, Early	Seed bed 18 x 30 in.	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 3 1/2	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.	8 in.	150 days.	10-40 tons. 400-700 bu.
As with cabbage, but needs a moist soil, frequently stirred on top.	3000-6000 plants from seed bed.	70°	Mar. 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 "handing" the plants.	1500 plants from seed bed.	70°	Mar. 15 to Apr. 15	Celery	Moist seed bed	Shade till well up.	Shallow	Row 3-4 ft. 9 in. in row.	Season.	15000-20000 hds.
Rather stiff, warm and rich, with quick acting (well rotted) manure	50 ft., 3 grains 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.	50 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.	1100-1300 doz. green ears.
Fall plowed, or sandy loam. Warm exposure. Manure extra in hill.	100 hills, 10 or 12 to hi.	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.	200-3000 plants.	80°	June 1 to July 1	Egg Plant	Seed bed	3 x 3 ft.	Shallow	.....	100-160 days.	8000-10000 fruits.
Warm, light soil, rich with well rotted compost. Top dress with nit. of soda	1000 ft. row, 20 seeds to ft.	70°	Mar. 15 to Apr. 15	Lettuce	12-24 in.	Transp. 1 1/2 x 1 1/2	1/4 in.	12 in. in row.	65 days.	18000-20000 good hds.
Very warm and dry soil, fairly rich. Manure in hill to start quickly.	1-3 lbs. in drill, 1 1/2 lbs. use seed bed	80°	Mar. 15 to Apr. 15	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 on size of seed.	100 hills, 12 to hill	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	800 ft., 20 to a foot.	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.	15 ft. row, 10 to ft. 150 ft. to pt., 10 to ft. and distance.	65°	Mar. 15 to Apr. 15	Pea, Dwarf	30 in., double row	.....	2-3 in.	.....	40-55 days.	100 bu. pods.
Same—Keep dust mulch by surface cultivation, moisture must be saved	100 ft. to 1 pint 9 peas to ft.	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.	100 ft. drill 30 seeds to ft.	70°	Mar. 15 to Apr. 15	Spinach	12-18 in.	.....	1 in.	.....	.....	200 bar
Fall plowed, warm and well drained. Manure in hill to start quickly.	25-30 hill, 10 seeds each.	85°	May 25 to June 25	Squash, Bush	.....	4 x 4 ft.	2 in.	plants to hill.	60-65 days.	7000-9000 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.	Good size 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. each way	1/4 in.	.....	60-70 days.	8-10 tons.
New, sandy soil. No coarse manure. Ashes or potash salts good.	500 ft., 20 to a ft. 1-1/2 lbs. drills, 3 lbs. broadcast.	87°	July and August	Turnip	15-30 in.	1/4 in.	3-12 in.	60-65 days.	600-1000 bu.

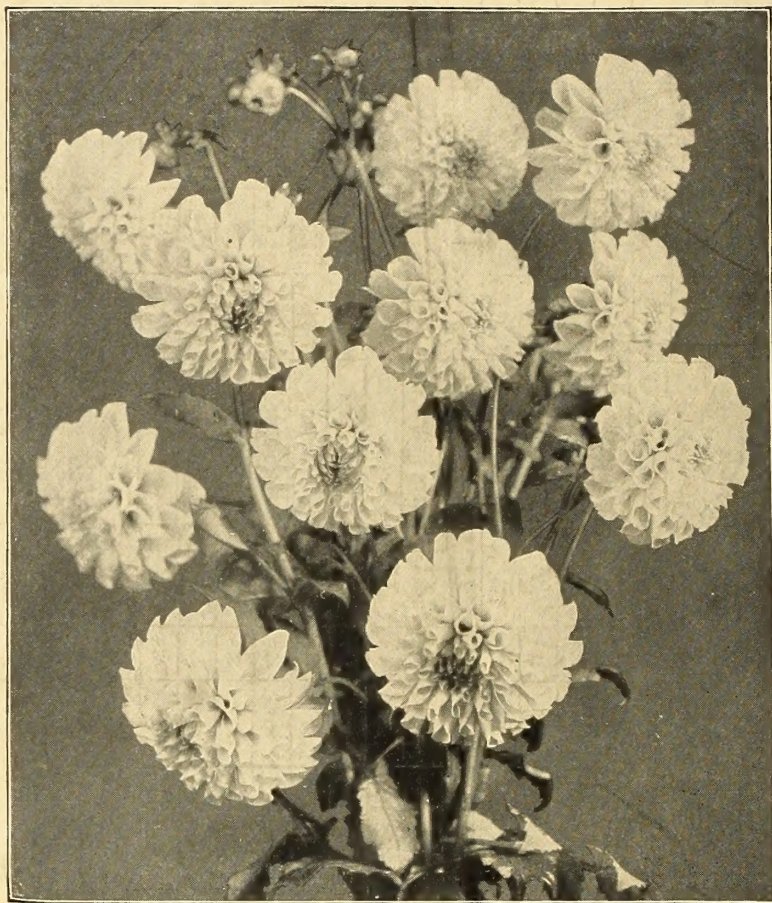
General Rule—Cover seed equal to four times the smallest diam

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