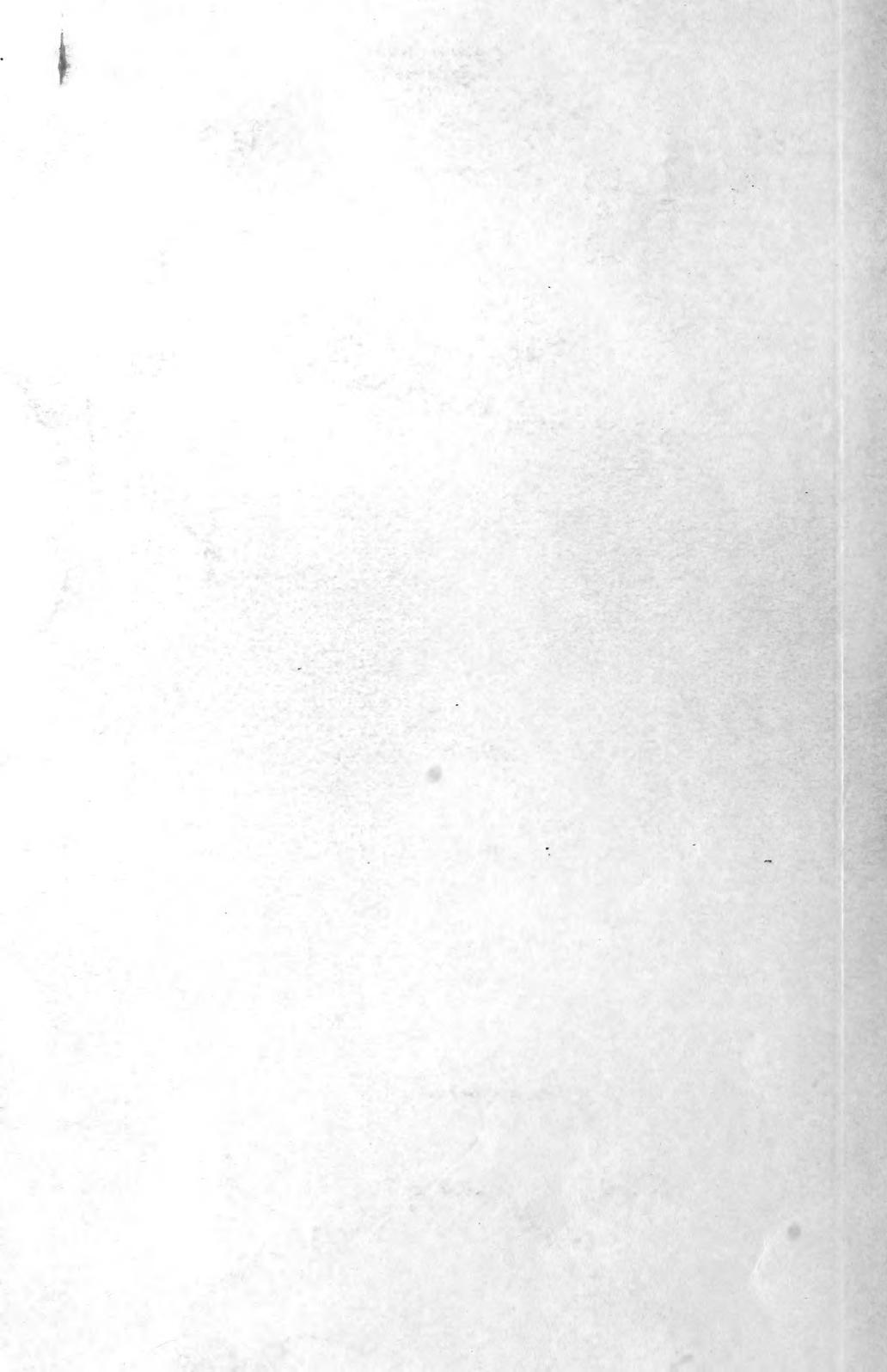


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Aristocratic Seeds 1938



RECEIVED
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Department of Agriculture

BECKERT Seed & Bulb Co.
PHONE ATLANTIC 1129
502 LIBERTY AVE.
PITTSBURGH, PA.

Novelties and

Marigolds

For the past few years horticulturists seem to have concentrated their efforts on Marigolds and with surprising success, so that we are pleased to offer here as novelties six of the finest and newest creations in Marigolds.

Marigold, Sunset Giants

2155. We illustrated this fine variety on our front cover last year and results were so universally satisfactory that we feel called upon to show it in its natural color again this year. Plants are very strong, grow 3 to 4 feet high and bear the largest and finest flowers we have ever seen in Marigolds. Colors range from primrose to deep golden orange. One of the finest of fall cut flowers. Pkt., 25c.

Marigold, Chrysanthemum Flowered

2148. A distinctly new form in Marigolds, petals are incurved like the large fall greenhouse Chrysanthemums. Flowers are large and borne on long stiff stems. Colors vary from light cream to deep yellow on up to deep golden orange, making this one of the most striking of the newer Marigolds. Pkt., 25c.

Marigold, Golden Crown A Dwarf Guinea Gold

2147. Despite the fine new varieties of Marigolds that have been offered since the introduction of Guinea Gold, we do not think that any can take its place and we are now very pleased to be able to offer a dwarf form of that fine variety. Similar in all respects to Guinea Gold except in height which varies from 10 to 12 inches. As many as 20 flowers are in bloom at one time. Pkt., 25c.



Marigold, Sunset Giants

Marigold, Crown of Gold

2175. The Gold Medal Winner in 1937. The first Marigold with odorless foliage and sweet scented flowers. Plants grow about 2 feet tall, are quite bushy and bear deep orange flowers about 2½ inches in diameter. Central petals are more or less quilled and are surrounded by an outer row of guard petals. Pkt., 15c.

Marigold, Double Harmony

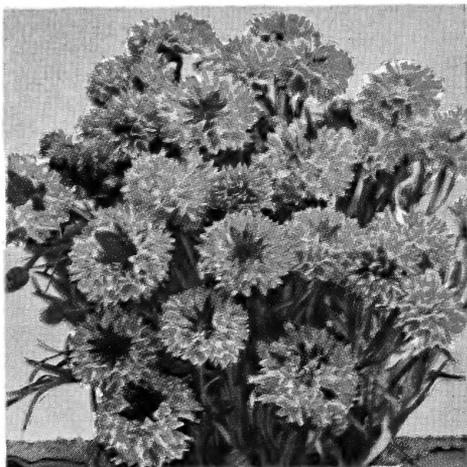
2166. Although this variety was never entered in the All-America trials, it is a distinct novelty. Flowers somewhat resemble a Scabiosa, the outer guard petals are broad and deep velvety maroon. The central petals are tubular and bright orange-yellow in color. Dwarf, compact and of very uniform growth. Pkt., 15c.

Marigold, Dwarf Royal Scot

2167. The finest strain of Dwarf Striped French Marigold. Plants are almost uniform in size and shape, 10 to 12 inches high and of distinct bushy growth. Flowers are all full double, rich mahogany striped gold. Pkt., 15c.

Centaurea Cyanus, Jubilee Gem

1245. Award of Merit All-America Selections 1937. A dwarf, bushy form of Centaurea Cyanus suitable for rock gardens. Plants of rounded shape, bearing dark blue, medium-sized flowers. Just as hardy and easy to grow as the tall variety. Pkt., 25c.



Centaurea Cyanus, Jubilee Gem

Specialties 1938



Ageratum Fairy Pink

Ageratum, Fairy Pink

572. Until the advent of this charming pink Ageratum, pink flowers for edging or border were hard to find. Plants are very dwarf and compact, scarcely exceeding 6 inches in height when full grown. They commence to bloom when only 2 inches high and continue until heavy frost. Flowers are a delightful soft salmon-rose-pink, a very unusual and pleasing shade. Pkt., 25c.

Shakespeare's Pansies

2407. This delightful little Pansy exactly answers the description of the Pansy of Shakespeare's time, as given in Gerarde's Herbal published in 1597. Apparently lost for centuries, it cropped up in California 4 years ago and has been carefully cared for ever since until now we are able to offer the seed to discriminating gardeners. Flowers somewhat resemble Violas but are much more graceful and colorful in appearance. Very easy to grow from seed and will bloom the first year if sown early. Pkt., 25c.

Nemesia Suttoni

Always in evidence and a center of attraction at the big flower shows throughout the country. Nemesia is either not sufficiently known or else neglected as an outdoor flowering plant. Nemesia somewhat resembles Snapdragons but with finer foliage and smaller and more graceful flowers. Nemesia is very easy to grow, requiring only a sunny location and an average soil.

2331 Suttoni Rose. 2334 Suttoni Scarlet.
2332 Suttoni Blue. 2330 Suttoni Mixed.
2333 Suttoni Orange. Each, Pkt., 20c.

Cuphea Firefly

1475. An entirely new plant for the flower garden somewhat mindful of Scarlet Sage but more free flowering. Plants are erect and bushy, about 10 inches high. Flowers are relatively small but very freely produced and fiery cerise in color. Blooms in about 12 weeks from sowing seed. Pkt., 25c.

Nicotiana, Dwarf White

2356. Nicotiana has ever been a favorite in the garden because of its delightful fragrance. Unfortunately the plants have heretofore been too large and coarse looking for the smaller gardens. We have finally found this charming dwarf form that is suitable for all purposes. Plants are scarcely 15 inches high and bear pure white flowers with the same delightful fragrance as the old type. Pkt., 25c.

Dianthus, Laciniatus Splendens

1538 The most striking Dianthus ever offered. Plants are dwarf and compact, generally about 8 inches tall, and bear large single brilliant crimson flowers with a showy white eye. Strongly sweet-scented, stems long enough for cutting and its abundance of blooms make this variety almost indispensable for the garden. A hardy annual, seed may be sown as soon as the ground can be prepared in the spring. Pkt., 25c.

Cosmos, Early Sensation

1405 Award of Merit All-America Selections 1936, but seed was so scarce that it could not be universally offered. A distinct acquisition in Cosmos as the flowers are fully as large as any of the Giant types. They bloom the same time as the early blooming sorts. Plants have very heavy foliage and grow about 4 ft. tall. Pkt., 25c.

Balsam, Dwarf Double Torch

960. Almost everyone is familiar with the tall old-fashioned Lady Slipper or Balsam, but the dwarf varieties although favorably known abroad are not grown here. Dwarf Double Torch is bright vermilion-red in color with the flowers borne on the tips of the stems, almost covering the foliage. Plants grow 8 to 10 inches high, do well almost anywhere, and are excellent for use as borders for low beds or for Rock Gardens. Pkt., 25c.

Petunia, Topaz Rose

2484. Topaz Rose fills a long felt want in Petunias. It is deep velvety rose that will not burn or fade under the hottest sun. The deep rose color is intensified by tiny flecks of gold and a throat of clear topaz. Pkt., 35c.

Scabiosa, Rosette

2708. A fine new color in Scabiosa, that with Loveliness and Peach-blossom makes three superb pink Scabiosas. Beautiful deep rose suffused with salmon. Flowers are extra large and borne on long stiff stems. Pkt., 25c.

Tithonia Speciosa, Fireball

3024. We feel sure that Tithonia Fireball will prove to be one of the most striking flowers we have ever introduced to Pittsburgh. Tall, stately plants surmounted with flowers as dazzling as a ball of fire. Plants grow 7 to 8 feet tall (they may be topped at 5 feet if desired) with woolly, grayish green foliage clear to the base. Flowers measure 4 to 5 inches across and are the most intense orange-scarlet imaginable in dazzling contrast to the clear yellow center. Seed should be started indoors in early March as it requires about 200 days to bring into bloom. End your garden in a blaze of glory with Tithonia Fireball. Pkt., 25c.

Asparagus Seed

(SPARGEL)

An Asparagus bed can be started either from seed or roots. Sow seed early in the spring, $\frac{3}{4}$ inch deep, in rows $1\frac{1}{2}$ feet apart; thin out the plants to 6 inches apart. Transplant following season as given under roots.

One ounce of seed will sow 50 feet of row.

Giant Argenteuil. Purple tinted stalks. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Palmetto. Large green stalks. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Washington Rustproof. A new rust-resisting, heavy-producing Asparagus from the U. S. Department of Agriculture. Of rapid growth, large size, and very tender. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Asparagus Roots

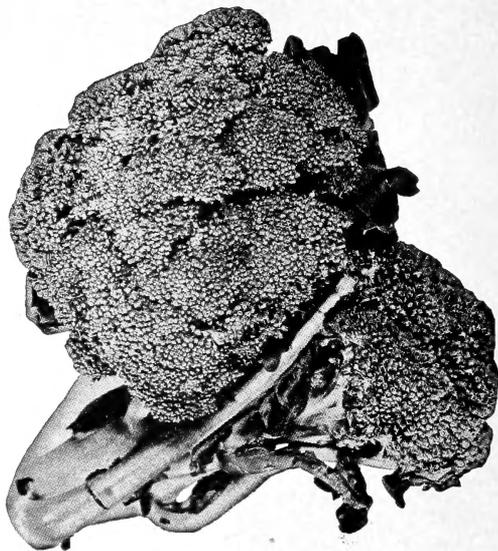
An Asparagus bed is permanent, so that much care should be taken with its preparation. The bed should be on well drained ground, heavily manured and spaded $1\frac{1}{2}$ to 2 feet deep. Place roots in trenches 1 to $1\frac{1}{2}$ feet deep and cover with 3 inches of soil. As the shoots come up, pull in soil from the sides from time to time until bed is level.

No Asparagus should be picked until the third year and then only sparingly. The bed should not be cut over after the first week in July, as the roots must have some time to store up strength for the following year. Top-dress each fall with manure, which should be dug in early the next spring.

Palmetto and Giant Argenteuil. 2-yr. roots. Bundle of 50, \$1.00; \$1.50 per 100; \$10.00 per 1000.

Washington Rustproof. 2-yr. roots. Bundle of 50, \$1.25; \$2.00 per 100; \$15.00 per 1000.

If wanted by parcel post, add 10c per 100.



Broccoli,
Early Green Sprouting.

Artichoke (ARTISCHOKE)

One of the vegetable aristocrats and well worth growing if you care for something "different." Edible portion is the large, thistle-like head. If started indoors very early will bear first year. Same culture as for cabbage, and as Artichokes are perennial, plant where they need not be disturbed.

LARGE GREEN GLOBE. The standard variety. Pkt., 25c; $\frac{1}{2}$ oz., 50c; oz., 90c.

Broccoli (SPARGEL-KOHL)

Quite similar to cauliflower but will produce fine heads in localities where cauliflower cannot be successfully grown. Same culture as cabbage.

Early Green Sprouting Improved

A most delicious new variety, bearing loosely arranged heads, somewhat similar to cauliflower. Both flower heads and stalks of heads are edible, having a distinctive flavor. Flower heads are light green in color and ready for the table 60 days from time of sowing. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

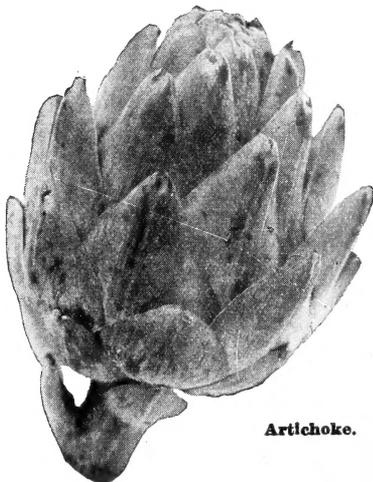
Broccoli White Cape. Pure white heads. Pkt., 25c; $\frac{1}{2}$ oz., 40c.

Brussels Sprouts

(ROSEN-KOHL)

A delicious and easily grown Fall vegetable, and one of the few that may be enjoyed in late Fall after frost has killed the less hardy kinds. Produces miniature cabbage heads at the base of each leaf. Use same cultural directions as for the late cabbage, and when the sprouts commence to form, break off the lower leaves.

Long Island Half Dwarf. Covered with tender sprouts of good flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.



Artichoke.

GARDEN and MANGEL BEETS



Crosby's Egyptian Beet.

GARDEN BEETS

(*Roten Rube*)

Beets are easily the favorite of all root crops. Best results are obtained in well drained, loamy soil, although any soil will do if it is deeply dug and cultivated frequently. Sow as early as the ground can be prepared, in rows $1\frac{1}{2}$ feet apart, 1 inch deep, pressing the soil down firmly over the seed. When large enough to use as Beet greens, thin out to 2 inches apart.

A continuous supply can be had throughout the season by sowing seeds every two weeks up to early August. Make a liberal planting in July to provide roots for Winter use.

One ounce of seed will sow 50 feet of drill.

CROSBY'S EGYPTIAN, SPECIAL STRAIN.

No finer strain is grown than the stock we offer of this largely used Beet. It is of rapid growth, with small tops, the roots taking on their deep turnip shape at an early stage; flesh blood-red and of fine quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

EARLY WONDER SPECIAL. A handsome early Beet of deeper turnip shape than Crosby's Egyptian. Recommended for both market and home gardens. Flesh blood-red, tender and of good flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Perfected Detroit. A very superior strain of Detroit Dark Red. Roots are slightly smaller but much deeper red in color. Fine grained and very sweet. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Detroit Dark Red. An ideal main crop Beet, universally planted. Large, globe-shaped roots, sweet, fine grained, and dark red in color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Beets All Winter

Late sown Beets may readily be kept for winter use, if packed in a slightly moist soil or sand in a cool cellar. We recommend Detroit Dark Red for this purpose.

Mangel or Stock Beets

(*Mangel Wurzel*)

Excellent food for cattle or chickens during the winter when other green food is not available. Sow in May or June, in rows $1\frac{1}{2}$ feet apart, 5 to 6 pounds of seed per acre. Thin to stand 12 to 15 inches apart and cultivate frequently.

Golden Tankard. An enormous yielder; flesh and skin deep yellow. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Giant Sludstrup. Reddish yellow, long oval shape. Food value higher than any other Mangel. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

MAMMOTH LONG RED. Grows to an immense size, roots often weighing to 35 pounds. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

SWISS CHARD

(*Spinach Beet*)

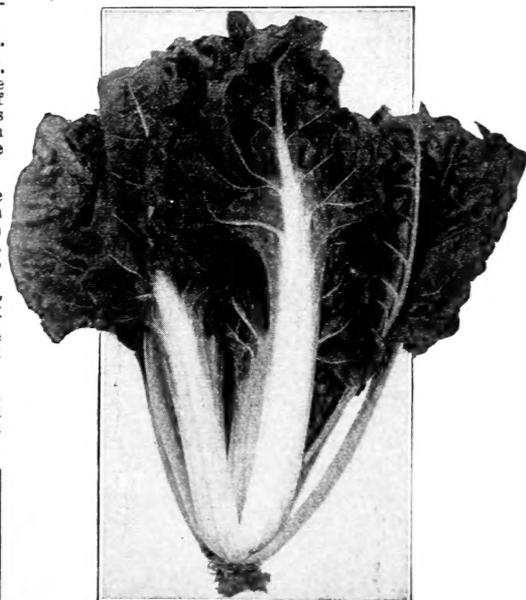
A most satisfactory vegetable for the small garden. A short row is sufficient to supply greens all Summer, and if not cut too close, additional leaves will come up from the roots. Use same culture as for Beets and for best results thin out to at least 4 inches between plants.

One ounce of seed will sow 50 feet of drill.

GIANT LUCULLUS. Large, dark green, thickly crumpled leaves with white midrib which may be used the same as asparagus. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

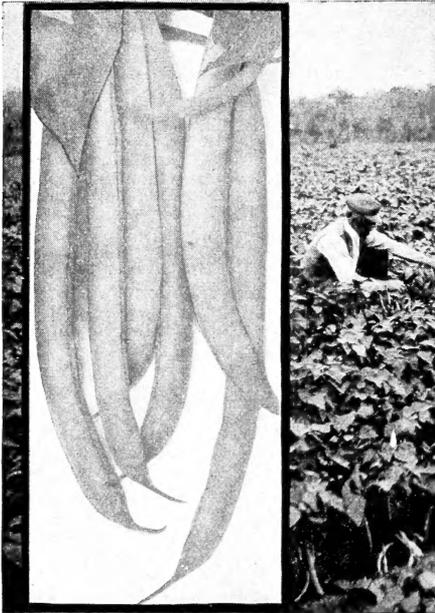
GREEN LYON. A handsome dark green Swiss Chard with smoother leaves than Lucullus. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Perpetual Summer (Spinach). Similar to Swiss Chard but bears all summer. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.



Lucullus Swiss Chard.

BEANS — DWARF or BUSH (BOHNEN)



Giant Stringless Green Pod Beans

Grow Bush Beans in your garden and get more meals per square foot. They are easy to grow, thrive in almost any soil, and produce big crops in little space.

The seed should not be sown until danger from frost is past. Sow in rows $1\frac{1}{2}$ to 2 feet apart, dropping the seeds 4 inches apart, and covering 2 inches deep. Cultivate frequently and do not work around the plants while they are wet, lest they "rust." Pick the pods before they are fully developed and the plants will produce several good pickings.

For a continuous supply, make successive sowings every two weeks up to mid-July. Plenty of pulverized sheep manure and watering in the dry spells will greatly increase the yield. Apply water to the soil between the rows, not to the foliage.

One quart of Beans will plant 100 ft. of row.

If wanted by parcel post, add 8c per pt., 10c per qt.

Green-podded Bush Beans

ASGROW VALENTINE. A pure bred stringless strain of Black Valentine. Just as hardy, just as prolific, just as fine flavored, but without the strings. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

BURPEE'S STRINGLESS GREEN POD. Early. The earliest stringless Bean. Seeds are quite hardy and may be planted early. Bushes are of strong, vigorous growth and very prolific. Pods are round and thick, averaging about 5 inches in length. Stringless at all stages. Pkt., 10c., pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Green Podded Beans Cont'd

Bountiful. A remarkably prolific and continuous bearer; reliable even under unfavorable conditions and largely grown for first crop in both home and market gardens. Long, flat, but thick, light green pods. Our strain is absolutely stringless. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Full Measure. An early sort that will produce amazing crops on good soil. Very long, round, dark green, stringless pods of fine quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

GIANT STRINGLESS GREEN-POD. Medium early. A fine Bean to plant along with Burpee's Stringless Green Pod, as it matures about two weeks later, thus giving a fine succession. Tall, bushy growth and very productive. Pods are round, dark green, average 6 inches in length and always tender and free from strings. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Keeney's Stringless Refugee. Late. Similar to Refugee but stringless at all stages of growth. Heavily outyields the earlier varieties. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Forcing Bean, Masterpiece. The best Bean for forcing in frames or greenhouses. Pods 7 inches long, straight, flat and attractive. Pkt., 25c; pt., 75c; qt., \$1.50.

Yellow Podded Beans

Wax Beans are not quite so hardy as the green varieties and should be planted a little later. As a rust preventative, spray with Bordeaux Mixture.

SURE CROP STRINGLESS WAX. This is one of the most popular Wax Beans. Bears a profusion of attractive golden yellow pods 6 inches long, flat but thick, meaty and absolutely stringless at all stages. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Round Pod Brittle Wax. The acme of quality in Wax Beans. Early and very productive on good soils, bearing long, round, golden yellow pods, brittle and stringless at all stages. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Pencil Pod Black Wax. A prolific bearer of long, slender, round, light yellow pods. Medium in season; and of excellent quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

Dwarf Shell Beans

Broad Windsor. Genuine English Broad Beans to be shelled and eaten as Limas. Pkt., 15c; pt., 50c; qt., 90c.

Dwarf Horticultural. Stringless and useful as a "snap-short" when young. Both pods and seeds splashed with red when ripe. Excellent for baking. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.25; bu., \$9.00.

WHITE KIDNEY. Seed large, white and kidney-shaped. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

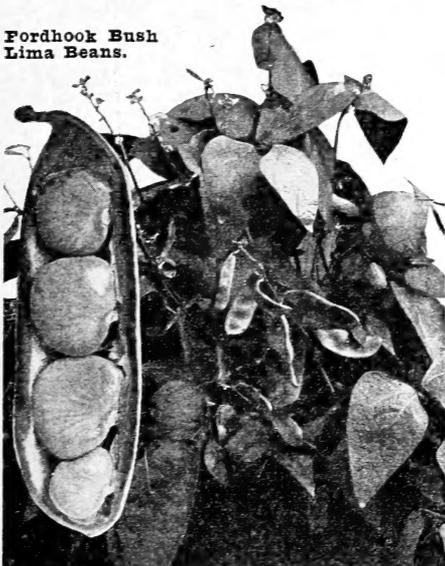
White Marrowfat. Produces large, round, white Beans of exceptional cooking quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

INOCULATE all Beans with **NITRAGIN** for bigger, better crops. Garden size, 10c.

Delicious Lima Beans (SPARGELBOHNE)

The late Summer and Fall vegetable supreme. Their food value is twice that of milk and their savoriness second to none. A light soil suits them best, and the seed should not be planted until the weather is warm and dry. The bush varieties bear earlier and require less space, while the pole varieties produce larger crops. Spray with Bordeaux Mixture as a preventative for mildew.

Fordhook Bush
Lima Beans.



Bush Lima Beans

More hardy than the pole varieties and therefore may be planted earlier. Make rows 2 feet apart and plant the Beans, eyes down, every 2 to 3 inches. Cover about 2 inches deep. Thin to 6 inches. Note: In very wet or unusual weather Bush Lima Beans will sometimes send out runners about 2 feet long.

One quart of Lima Beans will sow
100 feet of row

If wanted by parcel post, add 8c per pt.;
10c per qt.

Burpee's Improved. Bears the largest pods and beans. Medium early. Pkt., 10c; pt., 40c; qt., 70c; 4 qts., \$2.50; bu., \$12.00.

Extra Early Giant. Earliest and a good yielder. Beans are large and flat. Pkt., 10c; pt., 40c; qt., 70c; 4 qts., \$2.50; bu., \$12.00.

FORDHOOK. The standard of excellence for Lima Beans. Plants are strong, bushy and very productive. Beans are large and plump and the finest eating quality. Pkt., 10c., pt., 40c; qt., 70c; 4 qts., \$2.50; bu., \$12.00.

Wood's Prolific. The Butter Bean of the South. Beans and pods are small but are borne so profusely that large crops can be harvested from small areas. Pkt., 10c; pt., 40c; qt., 75c.

Nitragin should be used on Lima Beans to increase the yield. Garden size, 10c.

Pole Lima Beans

Pole Lima Beans are more prolific than the Bush Lima Beans, but are not so hardy and therefore cannot be planted as early. About the end of May set out stout poles 8 to 10 ft. long, in hills 3 to 3½ feet apart each way. Plant 6 to 8 beans in each hill, eyes down, and cover with 2 inches of soil. When the plants have made 2 true leaves, thin out to 3 plants to a hill.

String or wire stretched between posts or wire trellis may be used in place of poles.

One quart of Pole Lima Beans will sow
150 hills.

GIANT-PODDED or DETROIT MAMMOTH. The largest-podded Pole Lima. Pods 7 inches long and borne in clusters of from six to eight. Beans are large, flat and of finest quality. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$12.00.

EARLY LEVIATHAN. Earliest of the Pole Limas and prolific, bearing large pods usually containing 5 large flat Beans of excellent quality. Pkt., 10c., pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$12.00.

King of the Garden. Vigorous and immensely productive, large pods with 4 or 5 flat Beans of good quality. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$12.00.

Sieva. Beans small and of rich, buttery flavor; late but productive. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$12.00.

Pole Snap Beans

Horticultural or Speckled Cranberry. Short, light green pods, streaked with red. Excellent both as a snap and shell Bean. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.25; bu., \$10.50.

Lazy Wife. A prolific, late-maturing sort, bearing green pods of medium size, stringless, thick and meaty. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.25; bu., \$11.00.

KENTUCKY WONDER or OLD HOME-STEAD. A popular variety, considered one of the best of the Pole Beans. Light green pods of good size, tender and stringless, hang in clusters from top to bottom of the vine. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

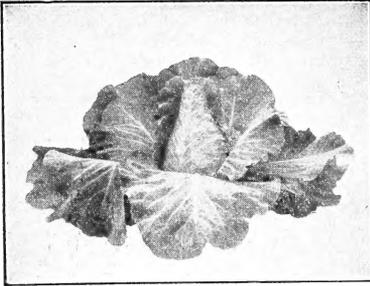
Kentucky Wonder Wax. Just as reliable and the same high quality as Green Kentucky Wonder but pods are yellow. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$11.00.

Scarlet Bunner. Used for both ornamental and cooking purposes. Clusters of brilliant scarlet flowers; large Beans of fine flavor used like Limas. Pkt., 15c; pt., 40c; qt., 75c.

Yard Long or Asparagus. Narrow pods 20 to 30 inches long, with an asparagus flavor. Pkt., 15c; ½ pt., 50c; pt., \$1.00.

DREER'S GOLDEN CLUSTER WAX. An early, yellow-podded sort of exceptional quality. It bears attractive, long, flat pods. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.50; bu., \$11.00.

SELECTED CABBAGE (KRAUT).



Early Jersey Wakefield Cabbage.

To grow good Cabbage, a fairly rich soil and plenty of moisture are required. Apply an abundance of manure or other fertilizer high in humus and nitrogen.

For early crop, start the seed in a hotbed or seed flat indoors in January or February, transplanting to another bed or flat when the second pair of leaves appear; harden the plants off and set them out in the garden as soon as frosts are past. For second-early crop, sow in March or April and set out in May; for late crop, sow in May and transplant in July. Set Cabbage in rows $2\frac{1}{2}$ to 3 feet apart and space the plants $1\frac{1}{2}$ to 2 feet in the rows. Cultivate frequently and make several applications of nitrate of soda during the growing season. Insecticide soaps and Slug Shot are good remedies for Cabbage pests.

One ounce of seed will produce 3000 plants.

Early Varieties

Allhead Early. Very large-heading strain of Early Summer. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50.

CHARLESTON OR LARGE WAKEFIELD. A week later than Jersey Wakefield; heads larger, thicker and less pointed. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.00.

Copenhagen Market. The standard early round-headed Cabbage for market, maturing with Jersey Wakefield and outyielding any other early sort. Heads large, deep, and solid. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$2.75.

Copenhagen Market Yellows Resistant. A yellows-disease resistant strain of Copenhagen Market, though somewhat later in season. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Early Jersey Wakefield. Selected strain. Long the favorite early sort for home and market. Small pointed heads; the finest quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$2.75.

EARLY SUMMER. Good sized, round flat heads following the Wakefields. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50.

Enkhuizen Glory. Round, deep heads a little larger than Copenhagen. Does well on poor soils. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$3.00.

Golden Acre. A splendid new extra early Cabbage of the Copenhagen Market type. Heads perfectly round and hard, with few outer leaves. Can be set close together. The earliest Cabbage of good quality in cultivation. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$4.00.

ADCO MAKES MANURE. Adco when applied to a pile of vegetable matter makes excellent manure. See page 63.

Midseason and Late

All Seasons or Succession. Large, flat heads; good for both second-early and late crops. An excellent keeper. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.75.

All Seasons Yellows Resistant. A yellows-disease resistant strain of All Seasons. Heads are slightly smaller than the original type. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Danish Ballhead Short Stem. Select Danish seed. The leading Cabbage for late markets. Very solid, medium sized, round heads of excellent keeping quality. Short stem. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$2.75.

Select Late Flat Dutch. A superior strain of this popular "kraut" Cabbage. Sure heading and of largest size. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50.

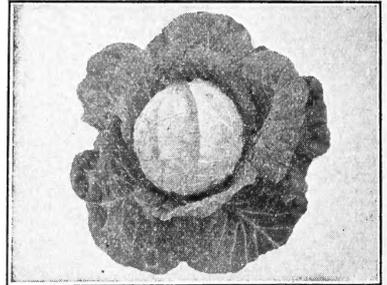
HOLLANDER YELLOWS RESISTANT. A hard-heading, productive, yellows resistant Cabbage. Highly recommended for infested fields. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Penn State Danish Ballhead. A superior blight-resistant strain of Danish Ballhead with short stem. Heads are very solid and almost globular in shape. Heavy yielder on all soils. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.60; lb., \$4.50.

Savoy, Perfection Drumhead. Large, flat heads with dark green, crinkled leaves. Quality superb; a favorite for home gardens. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.75.

Savoy, Extra Early. An early maturing strain of the popular curly or savoy leaved cabbage. Heads uniform in shape. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Mammoth Rock Bed. The standard Red Cabbage. Heads large, flat and solid. Productive and reliable. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$3.00.



Danish Ballhead Cabbage.

Chinese Celery Cabbage

Chinese Cabbage has all the good qualities of both cabbage and lettuce, with a flavor all its own.

Heads are oblong in shape and self-blanching. Sow in July or early August, in rows 2 feet apart, and thin or transplant to 1 foot apart in the rows. The heads form best in cool Fall weather and may be stored like cabbage until midwinter.

One ounce of seed will sow 150 feet of row. **Pe-Tsal.** Heads narrow and very tall. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.



Chantenay Carrot.

Danvers
Half-Long
Carrot.

CARROTS

(GELBEN RUBEN)

Deep, light, sandy soil will produce smooth, shapely Carrots, while a heavier clay will grow firmer and better colored roots. For early crop, sow the short-rooted varieties from the first to the middle of April, in rows 12 inches apart, and cover about $\frac{1}{2}$ inch deep. For main crop, sow up to the middle of June in rows 15 to 18 inches apart. Thin out the plants to stand 3 to 4 inches apart. One ounce of seed will sow 100 feet of row.

CHANTENAY IMPROVED. Slightly tapered, blunt-rooted variety, the earliest of the large Carrots. Excellent for home gardens and early market. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Danvers Half-Long. Roots average 6 to 8 inches long, tapering to a blunt point. Productive and a good keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

French Forcing or Early Short Horn. Small, round, reddish orange roots of fine flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Guerande or Oxheart. Roots short and blunt, 3 to 4 inches in diameter and about 4 inches long. The best Carrot for hard, stiff soils. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Long Orange. Rich orange; long, tapering roots; fine for stock feeding. A heavy yielder on deep soils. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Nantes, Improved. Long cylindrical roots, 1 to $1\frac{1}{2}$ inches in diameter. Pure orange-scarlet in color with practically no core. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

White Belgian. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

CATERPILLARS

Very interesting plants that bear seed pods that resemble caterpillars. Edible but without distinctive flavor. Used for practical jokes in cocktails, on salads, etc. Pkt., 25c.

CAULIFLOWER

(BLUMENKOHLE)

Cauliflower is, in our opinion, the finest flavored of all the cabbage family and may easily be grown in the small garden, providing the soil is moderately rich.

Best heads are grown in rich, moist soil and in cool weather, so it is usually grown as an early Spring or Fall crop. Culture is the same as for cabbage.

SUPER SNOWBALL. The finest strain of Snowball Cauliflower ever offered. Sure heading and of superb quality. Pkt., 50c; $\frac{1}{4}$ oz., \$1.50; oz., \$4.00.

SPECIAL EARLY SNOWBALL. Compact plants with few outer leaves and large, solid, snowy white heads. Good for forcing as well as outdoors. Pkt., 25c; $\frac{1}{4}$ oz., \$1.00; oz., \$2.50.

Danish Dry Weather. A little larger and later than Snowball. Pkt., 25c; $\frac{1}{4}$ oz., \$1.00; oz., \$2.50.

CELERY (Sellerie)

For early crops sow the seed in the hotbed by the middle of February, transplanting later to a cold frame and setting out in the garden in late May, 6 inches apart, in trenches about 10 inches wide, 6 inches deep and 4 feet apart. For late Celery, sow in March or April and transplant to trenches in late June or July. As the plants attain full size, gradually draw up earth on both sides to blanch them and bring out the flavor. Use Bordeaux Mixture as a rust preventative.

One ounce of seed will produce 5000 plants.

WHITE PLUME. The earliest variety. The inner stalks turn white without blanching. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

GOLDEN PLUME or WONDERFUL. A new Celery of great value. Hardy, grows quicker and attains a larger size than Golden Self-Blanching, which it otherwise resembles. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

Golden Self-Blanching. (American-grown from French originator's stock.) A fine early maturing variety of dwarf, stocky growth, with heavy golden yellow heart. Blanches easily. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

Fordhook Emperor. A dwarf Winter Celery with very thick, heavy stalks. Leads all in flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Winter Queen. Medium tall Winter Celery. Leaves green, heavy and with solid heart. An excellent winter keeper. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 50c.

Standard Bearer. A red or rose tinted variety of excellent flavor. Strong, sturdy growth and easily blanched. Pkt., 25c; $\frac{1}{2}$ oz., 55c; oz., \$1.00.

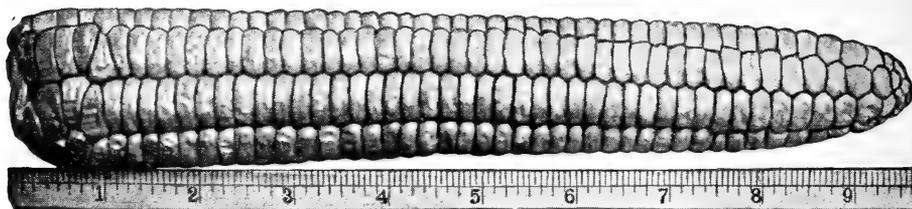
Giant Pascal. We are pleased to offer this old favorite winter celery again. Stalks are large and thick with a distinct nutty flavor. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

IMPORTED ENGLISH CELERY
Sutton's Giant Solid White and Giant
Solid Pink. Pkt., 50c.

Cardoon

Cardoon has large grayish leaves with thick stalks which are blanched and cooked like Asparagus. Plants should not be closer than 18 inches apart. Blanch with straw in August. Pkt., 15c; oz., 50c.

Sugar or Sweet Corn (MAIS)



Barden's Wonder Bantam Corn—A Giant Golden Bantam and Just as Sweet

Sweet Corn is a favorite crop in most American gardens, and one of the easiest to grow. A deeply dug, moderately rich, well drained soil will give best results. Wait until soil and weather are warm before sowing; the middle of May is generally safe for the yellow varieties and two weeks later for the whites.

Sow in rows $2\frac{1}{2}$ to 3 feet apart; scatter seeds 3 to 4 inches apart and cover 2 inches deep, later thinning out to 1 foot apart in the rows. Corn is also grown in hills 3 feet apart each way for horse cultivation, leaving three strong plants in each hill. Frequent shallow cultivation is important—more necessary with Corn, perhaps, than with any other garden crop.

For succession, make sowings every 10 days up to July 15. To insure good pollination and well filled ears, grow Corn in several short rows, side by side, rather than in one long row.

One quart of seed will plant 200 hills.

If wanted by parcel post, add 8c per pt., 10c per qt.

Yellow Varieties

WHIPPLE'S EARLY YELLOW. A superb new early yellow Sweet Corn. Ears are 7 to 8 inches long and 12 to 14-rowed. In quality we would place it as second only to Golden Bantam. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Golden Bantam. A universal favorite. May be planted as early as May 1st. Dwarf growing; matures in 60 days; ears 5 to 6 inches long with 8 rows of broad, yellow kernels of unsurpassed flavor. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

BARDEN'S WONDER BANTAM. The best selection from the old favorite Golden Bantam. Retaining all of the sweetness and rich flavor of that variety it produces ears 3 inches longer and a little larger in diameter. Prolific, extra early, ideal in size. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Golden Evergreen. About one week later than Bantam. Tapering ears of good size, with 12 or 14 rows of deep yellow kernels. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Golden Giant. One of the finest yellow Corns. Second early in season; ears are 7 to 8 inches long and 12 to 14-rowed. Kernels are rich golden yellow, of medium size and excellent quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Yellow Country Gentlemen. The yellow counterpart of the old white shoe peg or Country Gentleman. The latest yellow Sweet Corn, medium-sized ears of finest quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$9.00.

GOLDEN CROSS BANTAM. A new type of yellow corn scientifically bred to produce resistance to Stewart's disease. Ears 7 to 8 inches long, 10 to 12-rowed. Matures with Whipple's Yellow. Pkt., 15c; pt., 50c; qt., 90c.

White Varieties

Early Mayflower. The earliest white Sweet Corn of good size; ears 6 to 7 inches long, with 10 or 12 rows; prolific; good quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Howling Mob. The leading white, second-early. Productive and of extra fine quality. Ears 9 to 10 inches long with 14 rows. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

EARLY MAMMOTH. Ears 10 to 12 inches long, 16 or 18 rowed; large, white grains; very sweet. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Stowell's Evergreen. The good old standard. Rich and sweet in flavor; remains tender long. Ears 7 to 8 inches long, and 12 or 14-rowed. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Late Mammoth. Largest of all; ears 12 inches long and 18 or 20 rowed, but very sweet and tender. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Country Gentleman. Sweet, tender, milky grains on small cob; zig-zag rowed ears about 10 inches long. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

Black Mexican. A medium early, small-eared sort with purplish black grains of very rich flavor. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.00; bu., \$8.00.

POP CORN

Pop Corn is sometimes difficult to obtain when you want it; why not grow your own and have a supply on hand?

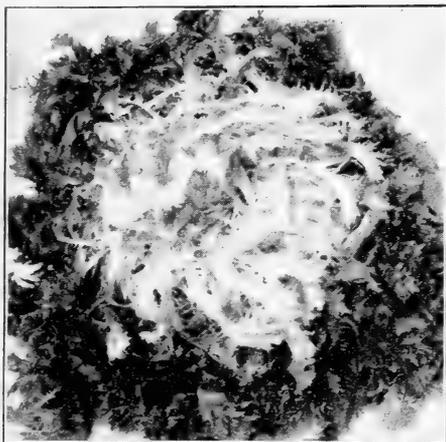
White Pearl. Pure white. Pkt., 10c; pt., 30c; qt., 60c; 2 qts., \$1.00.

Stanley's Crow Repellent

Keeps Crows and Pheasants Away

Easy to apply, will not clog planter, non-poisonous but 100 per cent effective. $\frac{1}{2}$ pt., 60c; pt., \$1.00.

Miscellaneous Salads and Greens



Pancalier Endive

Celeriac (Knoll-Sellerie) (Turnip-Rooted Celery)

Giant Smooth Fragus. Same culture as Celery. Leaves are not edible. Bulbous roots are used as flavoring in soups and salads. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.20.

Chicory (Cichorien)

One ounce of seed will sow 200 feet of drill.

Witloof, Special Strain (French Endive). Sow in early Spring in rows 1½ feet apart and thin to 4 inches. Lift the roots in the Fall and bury them in light soil in a warm cellar. The new growth, ready in a month, makes a delectable salad. Pkt., 15c; oz., 40c; ¼ lb., \$1.20.

Large-Rooted Magdeburg. Grown for its roots, which are dried, ground, and used as a substitute for coffee. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Catalogna (Summer Asparagus)

A delicacy from Italy for jaded appetites. Plants when young resemble a very narrow leaved Dandelion and may be used for greens or blanched and used for salads. As the plant ages it sends out tender shoots about ½ inch thick, which are cut when 6 inches long, making an excellent substitute for Asparagus. Pkt., 15c; ½ oz., 35c; oz., 60c.

Collards (Blaeterkohl)

A tall loose-leaved cabbage much prized in the South as boiling greens. Same culture as cabbage.

True Georgia. Pkt., 10c; oz., 20c., ¼ lb., 60c; lb., \$1.25.

Corn Salad (Stechsalat)

One ounce of seed will sow 200 feet of drill.

Sow in September for Fall salad, or protect over Winter for Spring use.

Large-Leaved. Large, round, deep green leaves, forming a dense rosette. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

ENDIVE (Endivie)

Endive is one of the most tasty and healthful salads and can be had in late Summer and Fall when lettuce is hard to get. For early use, sow in April in shallow drills 1½ feet apart. Blanch by gathering the leaves together over the center and tie with a string.

One ounce of seed will sow 100 feet of drill.

Broad-Leaved Batavian (Escarolle). Fleshy leaves, not fringed, used largely for soups and stews. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Green Curled Ruffec. Large plants with finely fringed and curled tender green leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Large Green Curled. The standard variety. Hardy; blanches golden white. Pkt., 10c; oz., 20c; ¼ lb., 60c.

PANCALIER. Strong grower with heavily curled, deep green leaves. Ribs are slightly tinted rose. Blanches easily. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Cress (Garten Kresse)

Extra Curled or Pepper Grass. An appetizing salad, growing rapidly in any garden soil. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Water Cress. The true "Water Cress." Easily raised from seed in your own garden in any moist location. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

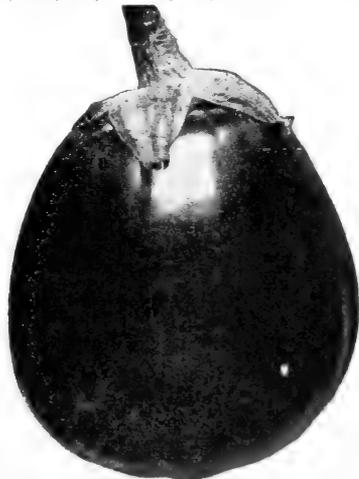
EGGPLANT (EIERPFLANZE)

Sow the seed in hotbed or indoors in early March. When the plants are 3 inches high transplant to small pots, and later on to larger pots. Set them out in the garden late in May, about 3 feet apart each way.

One ounce of seed will produce 1000 plants.

Black Beauty. Early; fruits large and almost black. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

New York Improved Purple. Large, smooth, dark purple fruits; prolific. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



Black Beauty Eggplant.



Supreme Green Cucumber.

CUCUMBERS (GURKEN)

Cucumbers thrive best in a rich, warm, loamy soil, and planting should be delayed until settled warm weather. Make hills about 4 feet apart each way and thoroughly mix into the soil well-rotted manure to a depth of 6 inches or more. Scatter 12 to 15 seeds to a hill and cover one inch deep; thin out to 3 or 4 of the strongest plants after danger of insects is over. Dust the young plants with Slug Shot to kill the beetles and worms.

One ounce of seed will plant about 50 hills.

Supreme Green. Plants are very vigorous, with rich, dark green foliage and are very resistant to blights. Fruits are uniform, usually 8 to 10 inches long, and the darkest green we have seen in Cucumbers. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

DAVIS PERFECT. (White Spine). One of the most popular Cucumbers. Fruits are dark green, long and tapering to both ends. Excellent for slicing as it contains very few seeds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Longfellow. (White Spine). A wonderful new Cucumber, 10 to 12 inches long. Fruits are medium thick, tapering slightly to both ends. Resistant to blight and drought. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Early Fortune. (White Spine). A fine early variety that remains edible for a long time. Fruits are rich, dark green, about 8 inches long, and contain but comparatively few seeds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

EVERGREEN WHITE SPINE. (White Spine). Similar to Davis Perfect but larger and longer. A fine main crop variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Forcing White Spine. Special dark green strain of White Spine for forcing. Fruits long and symmetrical. Pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

Improved Long Green. (Black Spine). Vines very vigorous and disease resistant. Fruits long and slightly tapering. Good for either slicing or pickles. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Japanese Climbing. (Black Spine). A climbing variety that can be used on fences or trellises where space is limited. Fruits of excellent quality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

English Frame Varieties

A distinct type especially selected for forcing. We offer the finest English varieties.

Improved Telegraph, Covent Garden, Rochford's Market. Each, pkt., 50c.

Pickling Varieties

Chicago Pickling. (Black Spine.) Vigorous, disease-resistant vines. Very prolific and bears uniform blunt-ended fruits. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

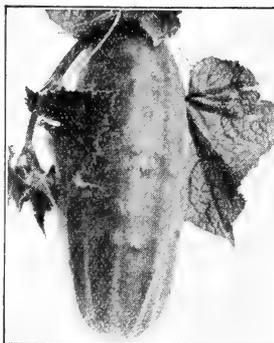
Green Prolific or Boston Pickle. (Black Spine). The best variety to use for small pickles. Vines are vigorous and productive. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Jersey Pickle. (Black Spine). Somewhat similar to Boston Pickle, but a little larger. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

West India Gherkin. Fruits about 2 inches long and 1 inch thick, covered with small spines, generally used for very small pickles. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

DILL PICKLES

Home grown Dill fresh from your garden is infinitely better than that sold in stores. Grow your own. Pkt., 10c; oz., 25c.



Chicago Pickling Cucumber.

Dandelion (Loewenzahn)

Sow in early Spring in rows 15 inches apart, and thin to 4 inches.

One ounce of seed will sow 200 feet of drill.

Improved Thick-leaf. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.

KALE (Blatterkohl)

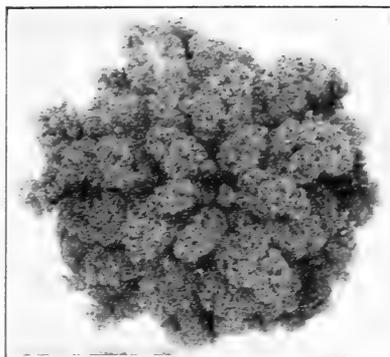
The flavor of Kale is improved by frost, so that it is generally sown for late crop. Sow in May or June and transplant later to rows 2 to 2½ feet apart, and cultivate like cabbage. For early Spring crop, sow in September and protect over Winter.

One ounce of seed will sow 300 feet of drill.

Dwarf Green Curled Scotch. Hardy, low-growing and bushy, with tender, curly, deep green leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c.

DWARF SIBERIAN. Leaves broad and not so curly as the Scotch. Extremely hardy. This variety is sometimes called "Sprouts." Pkt., 10c; oz., 20c; ¼ lb., 60c.

Dwarf Blue Curled Scotch. Leaves are very heavily curled and rich bluish-green in color. Plants are short, stocky, and very hardy. Pkt., 10c; oz., 20c; ¼ lb., 60c.



Dwarf Green Curled Scotch Kale.



Early White Vienna Kohlrabi.

KOHLRABI

Kohlrabi or Turnip-rooted Cabbage, develops best in cool weather but may be had all season if grown in deep, moist soil. Sow seed at intervals from April to early August, in rows 15 inches apart, and thin to 5 inches. Kohlrabi should be used when 1½ to 2 inches in diameter.

One ounce of seed will sow 250 feet of drill.

Early White Vienna. The earliest variety. Leaves small; flesh white and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Early Purple Vienna. Skin is purple and flesh white; fine flavored. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LEEK (Lauch)

Leeks do not form bulbs, but the thick stalks have a mild onion flavor and are fine for flavoring stews or salads. Grow the same as onions, in deep, rich soil, and as they develop draw the soil up about the stems to blanch them.

One ounce of seed will sow 100 feet of drill.

Walton's Giant Exhibition. An improved giant strain, imported direct from England. Largest size and finest quality. Pkt., 25c; oz., 50c.

Giant Carentan. Hardy; blanches pure white; thick stem of mild flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Large American Flag. A popular large variety of good quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

MUSTARD (Senf)

Mustard has grown popular both as a salad and for greens. Sow in Spring, and every two weeks up to July, in shallow drills 1 to 1½ feet apart. Use the leaves when young, before flower buds appear.

One ounce of seed will sow 75 feet of drill.

Fordhook Fancy. Dark green, heavily fringed leaves. Finest quality and slow to shoot to seed. Pkt., 10c; oz., 15c; ¼ lb., 35c.

GIANT SOUTHERN CURLED. Grows 2½ feet tall; leaves broad, mild and tender when young. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Florida Broad Leaf. Light green leaves with white ribs. Of agreeable flavor when cooked like spinach. Pkt., 10c; oz., 15c; ¼ lb., 35c.

White London. Leaves used for salads when young; the seed for flavoring pickles. Pkt., 10c; oz., 20c; ¼ lb., 45c.



Florida Broad Leaf Mustard.

Horse-Radish Roots

Maliner Kren. The best variety. Disease-resistant and a quick grower. 50c per doz., \$2.50 per 100; \$15.00 per 1000.

Seed Flats

Strongly made cypress boxes for starting seeds indoors.

	Each	Doz.
24 in. x 12 in. x 3 in.	\$0.40	\$4.50

HEALTHFUL LETTUCE (SALAT)

Dig the soil deeply for Lettuce, using plenty of manure or nitrogenous fertilizer, and adding sand or humus if the soil is heavy. For a very early crop, start seed indoors or in a hotbed in early March, thinning or transplanting the seedlings as soon as they are large enough to handle; harden them off and set them out in the garden in early April.

The first sowing outdoors may be made as soon as the ground is fit. Make the rows 15 to 18 inches apart and thin the plants out as they develop, so that they eventually stand 10 to 12 inches apart. Timely thinning and plenty of room is especially important in growing Head Lettuce. For the first crops grow Loose-Leaf or Early Butterhead varieties; follow these with the late Butterheads; and for hot weather use, grow the Crisphead or Cos types.

One ounce of seed will sow 150 feet of drill.

Loose Leaf or Cutting

Black-Seeded Simpson. Large, bushy plants with attractively crumpled and fringed light green leaves. A favorite for both home and market. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.25.

Early Curled Simpson. Gives quick results in the home garden. Broad, crumpled, yellowish green leaves of fine quality. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.25.

GRAND RAPIDS. One of the best loose-leaf Lettuces for extra early planting. Handsome plants, with large, crisp curled and fringed leaves. Our strain of this fine Lettuce is very highly developed and equally valuable for either forcing or outdoor use. Sow every two weeks for succession. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.25.

DEER TONGUE. The tenderest and sweetest cutting lettuce for the garden. Leaves are rich, dark green, pointed, very thick and grow in tight bunches. Pkt., 25c; ½ oz., 75c.

THE MORSE. Outer leaves light green; inner leaves blanched light yellow. Vigorous and a good forcer. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

Cabbage or Butterhead

BIG BOSTON. Early. Large, solid heads; outer leaves deep green with brownish edges; inner leaves light yellow. Largely grown for market. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.



May King Lettuce

Mammoth Black-Seeded Butter. Late. Big heads with broad, crumpled leaves; always tender and of fine quality. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

May King, Early. Fine for the first sowing. Medium sized heads, blanching to golden yellow in the heart; tender and finest quality. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

Mignonette. One of the good things reserved for those who "grow their own." Too small to be useful for market, this is we believe the sweetest and crispest lettuce. Heads medium brown on the outside, pure yellow inside. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WHITE BOSTON. A new superior strain of Big Boston, without the red tinge on edge of leaves. Heads large and solid and sure heading even under adverse conditions. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

Crisphead, or Ice Lettuce

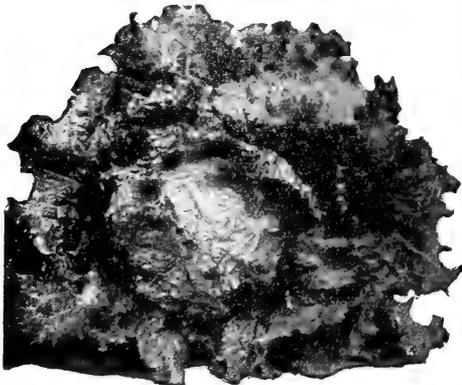
Brown Curled or Chartiers. Medium size. Leaves medium brown and finely curled at the edges. Loosely folded heads, fine quality. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$2.50.

Iceberg. All of the Crisphead Lettuces are good in warm weather. Iceberg is the earliest of the class and makes very large solid heads of crisp, incurved, light green leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

IMPROVED HANSON. Loose heads of crumpled light green leaves. A reliable summer Lettuce for home gardens. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

NEW YORK or WONDERFUL. The well known "California Ice Lettuce." Solid heads; dark green with yellowish white center; very crisp and sweet. This is the variety sold by markets under the trade name of "Iceberg"; however, it is larger and later than that variety. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.00.

Trianon Self-Folding Cos or Romaine. Tall and erect growing, with long, narrow, spoon-shaped leaves, blanched by tying together at the top. Thrives in warm weather. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.00.



New York (California Ice) Lettuce

FLORIDA HUMUS

Made to order for Pittsburgh soils. Light and friable, holds moisture, is a fertilizer and helps other fertilizers. See page 76.

MUSKMELON (Melone)

Muskmelons or Cantaloupes require a warm, rich soil. Prepare hills 6 feet apart by digging in rotted manure to a depth of 8 to 10 inches and cover with fine soil. Sow 10 to 12 seeds in each hill, in late May, and, after danger of insects is over, reduce to 3 or 4 plants in a hill.

Fight the insects by dusting the young plants with Slug Shot and spray the vines with Pyrox. Many old gardeners plant a few radishes in each hill to keep away insects.

One ounce of seed will plant about 50 hills.

Extra Early Hackensack. Large, flattened at the ends and deeply ribbed; flesh green. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Gold-Lined Rocky Ford. Medium-sized, round, closely netted melons with thick, sweet, green flesh, tinged with yellow around the small seed cavity. Late. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Hearts of Gold. A large early melon of excellent quality. Flesh is thick, pink, and very finely flavored. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Netted Gem. Small, round, heavily netted, with green flesh of superb quality. Late. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Tip Top. Large, ribbed fruits with thick orange flesh of finest quality. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Honey Dew. Too well known to need description. Can be successfully grown in this section if started indoors in berry boxes or square pieces of sod so that the roots need not be disturbed in transplanting. Pkt., 10c; oz., 25c; ¼ lb., 75c.

English Forcing Melon

Royal Sovereign. The finest golden yellow forcing melon. Firm, thick white flesh of finest quality. Greenhouse grown seed only. Pkt., 50c.

WATERMELON (Wasser-Melone)

Use same culture as for Muskmelons but make the hills 8 to 10 feet apart and use weaker sprays for insect control.

One ounce of seed will plant about 40 hills.

ALABAMA SWEET. Long, dark green; flesh red. A good shipper. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Early Fordhook. Extra early and will mature large, round melons in this section. Skin dark green; flesh scarlet, of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 60c.

KLECKLEY SWEETS. The sweetest variety. Long, dark green, with crisp, red flesh. Pkt., 10c; oz., 20c; ¼ lb., 60c.

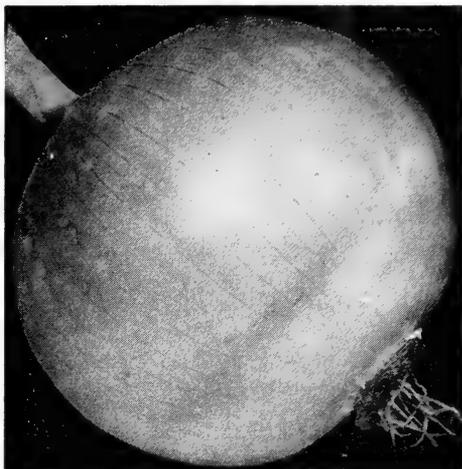
Citron, Red-Seeded. Flesh thick and white; used for preserving. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Mushroom Spawn

Mushrooms are easy to grow in a cellar or a disused shed and may also be propagated in the lawn around the home. Full directions are included with each order.

Brick, 30c, (postpaid, 40c); 10 bricks, \$2.50; 50 bricks, \$10.50; 100 bricks, \$20.00.

Bottle Spawn, \$1.25, postpaid.



Southport White Globe Onion.

ONIONS (ZWEIBEL)

A fine, prepared, mellow soil, well fertilized, is needed to grow good, large Onions from seed. As early in the Spring as the ground can be worked, sow the seed in drills 15 inches apart and cover ½ inch deep. When the seedlings are 3 to 4 inches high, thin or transplant them to stand about 3 inches apart. For extra large Onions, start the seed in the hotbed in late February or March and transplant to the garden in April. **One ounce of seed will sow 100 feet of drill.**

Ailsa Craig. The largest of all Onions; grown for exhibition. Globe shape; straw-yellow. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00.

Gigantic Gibraltar. Very similar to Ailsa Craig. Strong grower with mild sweet flesh. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00.

Large Red Wethersfield. Very large, flattened, purplish red bulbs. An excellent keeper. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$2.50.

Frizetaker. Globe-shaped, with golden brown skin and mild, crisp, sweet, white flesh. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

SOUTHPORT WHITE GLOBE. A very handsome, pure white-skinned Onion of large size and true globe shape. Fine shipper and keeper. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$3.00.

SOUTHPORT YELLOW GLOBE. Larger than Danvers and more uniformly globe-shaped. One of the handsomest, best selling and best keeping Onions. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$2.50.

White Bunch. Quick growing; mild flavored. Extensively sown for green Onions. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$3.00.

White Portugal or Silverskin. Large, flat bulbs with silvery white skin and mild flesh. Grown largely for green Onions. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$3.00.

Yellow Globe Danvers. Handsome globe-shaped bulbs of good size, with brownish-yellow skin and crisp, firm, white flesh. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$2.50.

Onion Sets White. Qt., 30c; pk., \$2.00.
Yellow. Qt., 25c; pk., \$1.75.
If wanted by parcel post, add 10c per quart.

OKRA (Ocher)

Sow in rich, warm soil, about the middle of May, in drills 3 feet apart and cover an inch deep. Thin to 1½ feet. A fine vegetable for the home garden. The tender pods are delicious boiled and creamed and are also largely used to add flavor and substance to soups and stews.

One ounce of seed will sow 30 feet of drill.

Long Green Pod. Pods long, green and abundantly produced. Pkt., 10c; oz., 20c; ¼ lb., 50c.

White Velvet. Long, smooth, almost white pods. Pick when young and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARSLEY (Petersilie)

Sow in early Spring in rows 1 foot apart and cover firmly ¼ inch deep; thin out to 6 inches. The seed is slow and irregular in sprouting and may be hastened by soaking it in warm water several hours before sowing.

One ounce of seed will sow 200 feet of drill.

CHAMPION MOSS CURLED. Crimped and curled leaves, rich dark green. Vigorous. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Dwarf Extra Curled. Compact in growth, with beautiful, densely curled leaves, bright emerald green. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Plain-Leaved. Taller and more strongly flavored than the curled sorts. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Hamburg Parsnip-Rooted. Grown for its roots which are shaped like short, broad parsnips and are used for flavoring. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARSNIPS (Pastinake)

Parsnips require a deeply dug but not necessarily rich soil. The largest and smoothest roots are grown in light, mellow soil, free from stones. Fresh manure causes rough and mis-shapen roots.

The seed should be sown as early as the ground is fit—never later than mid-May. Make the rows 1½ feet apart and cover the seed about ½ inch deep. Thin out the plants to stand 4 to 5 inches apart. Give frequent deep cultivation.

One ounce of seed will sow 100 feet of row.

Hollow Crown. Long, smooth, white roots of excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Lisbonais. Similar to Hollow Crown but white and smooth skinned. Fine quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.



Champion Moss Curled Parsley.

RHUBARB (Rhabarber)

Sow in early Spring in rows 1½ feet apart, covering an inch deep. Thin out to 6 inches. In the Fall, transplant to deep, rich soil, spacing the plants 3 to 5 feet apart each way, and mulch well with manure.

One ounce of seed will sow 150 feet of drill.

Victoria. The most popular variety. Large, tender, juicy stalks. Pkt., 10c; oz., 25c; ¼ lb., 80c.

RHUBARB ROOTS

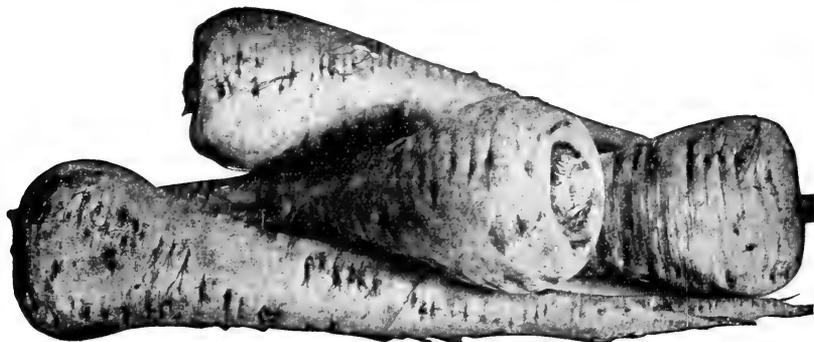
The quickest way to have Rhubarb is to plant clumps. If large clumps are planted, some stalks may be pulled the first year. Plant roots 3 to 5 feet apart in well manured ground, cultivate frequently and cut off seed stalks as soon as they appear. After the ground is frozen, mulch with straw manure.

Our roots are strictly first quality from transplanted seedlings, all new roots and not the old woody clumps so often offered.

Strong Roots. 15c each; \$1.50 per doz.

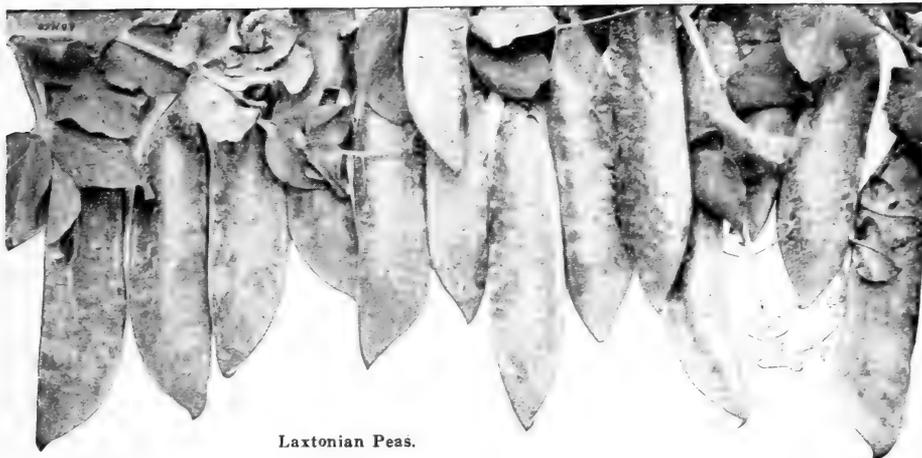
Clumps. 25c each; \$2.75 per doz.

Extra Large Clumps. 50c each; \$5.00 per doz.



Hollow Crown Parsnips.

GARDEN PEAS (ERBSEN)



Laxtonian Peas.

There are two classes of Peas, the smooth-seeded kinds, which are very hardy and may be planted as early in the spring as the ground can be prepared, and the wrinkled Peas, which are less hardy but much better in quality. Wrinkled Peas should not be sown much before mid-April.

Sow in drills about 3 feet apart and 3 inches deep. Tall-growing kinds may be grown in double rows, allowing 6 inches of space between in which to place brush or trellis to support the vines.

By planting 1 or 2 varieties of smooth-seeded Peas as early as possible and then a selection of wrinkled sorts that will mature in succession, a constant supply of tender green Peas may be had. Varieties are listed in the order in which they mature.

One quart of Peas will sow 100 feet of row.

If wanted by parcel post, add 8c per pint, 10c per quart.

Earliest Varieties

Extra Early Alaska. The standard extra early Pea. Very productive and fine flavored. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

BRITISH LION. Vines are very strong and grow 3 feet high. Pods average nearly four inches long, are dark green in color and well filled with Peas of finest quality. Not quite so early as Early Eight Weeks but yields much heavier. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$12.00.

Early Eight Weeks (Smooth). Quickest maturing Pea in cultivation. Grows 15 inches high and bears a fine crop of good sized pods with large, tender Peas. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

World's Record. A fine strain of Gradus or Prosperity and so superior to that variety that we have eliminated it from our list. Vines strong and vigorous, 3 feet tall and loaded with 4-inch pods. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

LAXTONIAN. The finest in quality of the early Peas, and the largest podded. Vines 1½ feet high; pods 4 inches long, well filled. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

Giant Podded Hamper. The earliest and largest podded dwarf Pea we have ever offered. Dark green foliage on strong, bushy plants. Well-filled pods up to five inches long. Pkt., 10c; pt., 40c; qt., 75c; 4 qts., \$2.75.

President Wilson. One of the finest Peas we have seen and with a flavor surpassed by none. Plants are half-dwarf and do not require staking. Pods are dark green, 4½ to 5 inches long and usually contain 8 peas. Pods are borne on upper half of plants and so are easily picked. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

HUNDREDFOLD. Similar to Laxtonian but not quite so tall. Very prolific and of the finest quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

Little Marvel. Grows 15 inches high and bears several good pickings of 3½-inch pods, packed full of large, deep green peas of splendid quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

PEAS—Main Crop

POTLATCH. A heavy yielding, high quality, main crop dwarf Pea. One of the best for home gardens. Vines 2 feet tall; pods 5 inches long, containing 8 to 10 large Peas. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

Boston Unrivalled or Improved Telephone. Reliable and productive; vines 4 feet high; long, broad, light green pods. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

Alderman. Robust strain of Telephone with dark green pods and vines. Pods are 4 to 5 inches long and usually contain nine large Peas of finest quality. Pkt., 10c; pt., 30c; qt., 60c; 4 qts., \$2.25; bu., \$10.00.

Champion of England. One of the sweetest Peas in existence but very late. Vines grow 4 to 6 feet tall and are very productive. Pkt., 10c; pt., 35c; qt., 65c; 4 qts., \$2.40; bu., \$12.00.

Mammoth-Podded Sugar. The half-grown pods of this type are delicious prepared for the table like snap beans. Pkt., 10c; pt., 40c; qt., 80c; 4 qts., \$3.00; bu., \$15.00.



Harris' Early Giant Pepper.

PEPPER (Pfeffer)

Light, warm, mellow soil is best for Peppers. The seed should be started indoors or in the hotbed early in March. Give the young plants plenty of heat and moisture, transplanting to paper pots when 3 inches high, and setting them out in the garden late in May.

One ounce of seed will produce 1000 plants.

Neapolitan. Extra early and prolific; fruits 3 inches long and rather narrow; mild. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

RUBY KING, or World Beater. Always mild and sweet. Fruits thick-fleshed, 4 inches long, tapering to a blunt point. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

Pimiento (Crimson Beauty). Medium size and bluntly cone-shaped, perfectly smooth, very thick-fleshed and sweet as an apple. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

Bullnose or Large Bell. Good sized, square fruits; usually quite strong in flavor. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

HARRIS' EARLY GIANT. The earliest of the extremely large-fruited Peppers. Fruits fairly long and almost as large in diameter as Chinese Giant, with thick, meaty flesh and fine, mild flavor. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.40.

Chinese Giant. Fruits average 5 inches long and 4½ inches in diameter; thick fleshed and sweet. Pkt., 10c; ½ oz., 35c; oz., 70c; ¼ lb., \$1.75.

Golden Queen. Large, deep golden yellow fruits. Flesh is thick and mild. Ornamental as well as useful. Pkt., 10c; ½ oz., 35c; oz., 70c; ¼ lb., \$1.75.

Squash or Tomato-Shaped. Small, round, thick-fleshed, sweet flavored. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

California Wonder

The finest and largest Sweet Pepper. Plants grow strong and upright and bear 6 to 8 large smooth fruits with extra thick flesh. Fruits keep in good condition for a long time after picking. Pkt., 15c; ½ oz., 40c; oz., 75c.

Small Hot Peppers

Anaheim Red Chili. Prolific. Fruits very hot and pungent. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.40.

Large Red Cayenne. Large hot peppers, 1 inch in diameter at the stem end, tapering to a point, about 4 inches long. Pkt., 10c; ½ oz., 40c; oz., 75c.

Long Yellow Hungarian. Long yellow fruits turning red at maturity. Very hot. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.

Large Red Cherry. Very pungent. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.40.

PUMPKIN (Grosse-Kurbis)

Sow in May in well enriched hills 8 to 10 feet apart each way, or sow with corn, dropping a few seeds in every third or fourth hill.

One ounce of seed for 25 hills; 4 lbs. for an acre.

Connecticut Field. Large, heavy, oblong in shape, with orange skin and orange-yellow flesh. Productive. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Cushaw Green Striped. Creamy white, striped with green. Pkt., 10c; oz., 20c; ¼ lb., 60c.

LARGE CHEESE. Large and flat, with creamy buff skin and yellow flesh. Good quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

KING OF THE MAMMOTH or Potiron. Grows to an enormous size (often 100 pounds in weight.) Skin salmon-orange; yellow, coarse. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Small Sugar. Small, round, bright orange, with fine grained, sweet, yellow flesh. Pkt., 10c; oz., 20c; ¼ lb., 60c.

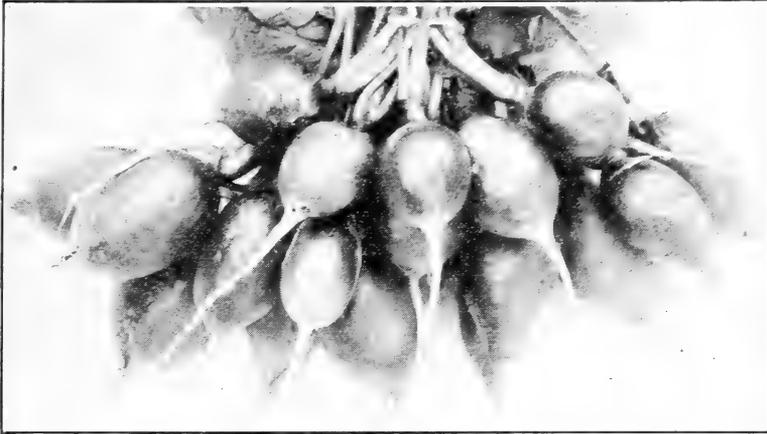
Winter Luxury or Pie Squash. Sweetest of all Pumpkins. Medium size; round, with yellow skin and flesh. Pkt., 10c; oz., 20c; ¼ lb., 60c.



Connecticut Field Pumpkin.

ADCO MAKES MANURE

Adco when applied to a pile of vegetable matter makes excellent manure. See page 63.



Three Weeks Forcing Radishes

CRISP TENDER RADISHES (RETTIG)

Crispy freshness is more essential to the good tasting qualities of the Radish than to any other vegetable root and the freshest roots are, of course, those pulled from your own garden.

SOW SEED thinly not more than one inch deep in drills from 12 to 15 inches apart and thin out to stand 2 or more inches apart, according to variety. **An ounce of seed will sow 100 feet of row.**

Early Radishes

THREE WEEKS FORCING. Three Weeks Forcing Radish is just as the name implies, a Radish that is ready for the table in three weeks from sowing. The tops are very small and the roots medium size, bright scarlet in color and the finest quality imaginable. Plant a row in your garden and surprise your friends. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

SCARLET BUTTON or NON PLUS ULTRA. Small, round, bright red roots; crisp and tender; ready for the table in three weeks from sowing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Special Early Scarlet Globe. Larger and deeper in shape than Scarlet Button, but a few days later. An ideal forcing Radish and very popular outdoors also. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

French Breakfast. One of the most attractive and at the same time most delicious Radishes. Roots are olive shaped, $1\frac{1}{2}$ to 2 inches long and bright scarlet with a pure white tip, almost irresistible when prepared for the table. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

CINCINNATI MARKET. Smooth, slender roots 4 to 5 inches long, bright scarlet with white tip. Brittle and tender; excellent for forcing and outdoors. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Crimson Giant. Globe-shaped; a little later than Early Scarlet Globe; grows nearly twice as large and remains in good condition much longer. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

WHITE ICICLE. Handsome, long, white roots of splendid quality, withstanding hot weather well and remaining in good condition a long time. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Summer Radishes

These grow well in hot weather and may be sown in May and June for summer use. They grow more slowly but attain a larger size than the early Radishes.

Chartier's Improved. Crisp, tender and mild, even in the hottest weather. Long, smooth roots; rose shading to white at tip. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

WHITE STRASSBURG. Roots 5 inches long and $1\frac{1}{2}$ inches thick. Skin and flesh pure white. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Giant Stuttgart. The largest and latest of this class. Elongated globe shape; pure white. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Winter Radishes

The Winter Radishes mature best in the cool fall months, attain a very large size and may be stored in boxes of sand in a cool cellar for use during winter. Sow in July or August.

LONG BLACK SPANISH. Grows 6 inches long and 2 inches broad. Grayish black skin and crisp, pungent, white flesh. The best keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Round Black Spanish. Round in shape but otherwise similar to the preceding. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

White Chinese or Celestial. Cylindrical, often 12 inches long and 5 inches in diameter. Skin and flesh white. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Horse-Radish Roots

Maliner Kren. The best variety. Disease-resistant and a quick grower. 50c per doz., \$2.50 per 100; \$15.00 per 1000.



National
Eazy Wear
Garden Gloves

Made of goat skin and tanned with lanin oil. Pair, 75c.

HEALTHFUL SPINACH (SPINAT)



Fornof's Green Gold Spinach

Spinach is one of the most healthful and at the same time one of the most easily grown vegetables and by judicious planning and planting may be had fresh from your own garden in all but the Winter months. While true Spinach is primarily a cool weather crop, some varieties have been developed that stand up well in hot weather, and the New Zealand Spinach (*Tetragonia expansa*) actually grows best in the hot, dry months.

Make the first sowing as early in the Spring as the ground can be prepared, in shallow drills 15 to 18 inches apart. For Fall use, sow in August and September. Late sowings, protected with straw, will provide Spinach in Winter and early Spring. One ounce of seed will sow 100 feet of drill.

FORNOF'S GREEN GOLD. A moneymaker for gardeners. Only a few days later than Bloomsdale, it remains in picking condition for a much longer time. Plants set close to the ground, making a rosette of thick, dark green, heavily crumpled leaves. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Reselected Bloomsdale Savoy. A quick-growing, productive sort with attractively crumpled leaves; hardy, requiring cool weather. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

King of Denmark. Stands longer before going to seed than any other true Spinach. Vigorous and productive, with heavy, dark green, slightly crumpled leaves of good quality. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

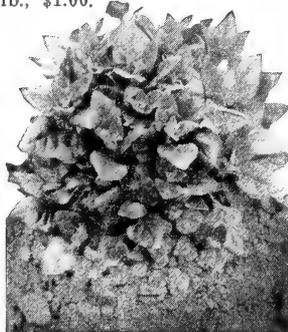
JULIANA. Rich dark green, deeply crumpled leaves. Stands two weeks longer than Long Season before shooting to seed. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Triumph. A vigorous, productive strain with heavy, crinkled leaves; long standing. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Perpetual Summer. Similar to Swiss Chard but bears all summer. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

VICTORIA. Long Season type of extra-fine quality, compact in growth and long standing. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

New Zealand. A distinct type, making large bushy plants of which the young leaves and tips are used and may be cut every few days. It thrives in hot weather and furnishes quantities of fine greens all Summer. Sow seed in early Spring, in rows 2 to 3 feet apart. Soak the seed for several hours before planting to hasten germination. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.



New Zealand Spinach

EVER GREEN SPRAY

The best non-poisonous Spray for both chewing and sucking insects. Ounce makes 6 gals. of spray. Oz., 35c (45c postpaid); 6 ozs., \$1.00, \$1.10 postpaid.

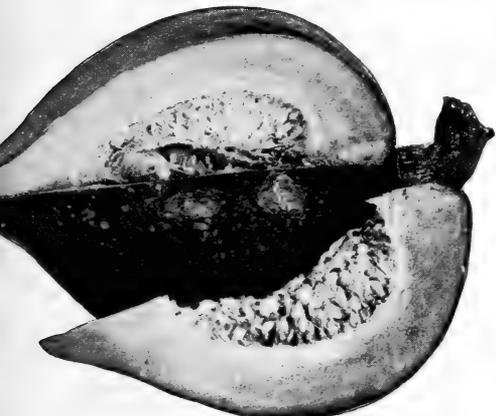
SQUASH (Kuerbis)

Plant the bush kinds in well-drained ground, enriched with rotted manure, in hills 5 feet apart each way; the winter kinds 10 to 12 feet apart each way.

One ounce of seed for 25 hills;
3 to 4 pounds per acre.

Summer Varieties

ACORN. Small, dark green, acorn-shaped fruits, usually 6 inches long and 4 inches wide. Fine flavor; ripens early and at the same time is a good winter keeper. Pkt., 10c; oz., 20c; ¼ lb., 60c.



Acorn Squash

ZUCCHINI (True Italian Vegetable Marrow). Imported strain of Cocozelle; dark green, almost black in color. Fruits are blunt ended and generally somewhat fluted. Plants are short and bushy with very heavy leaves protecting the fruits from the sun. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.



Green Striped Italian Squash

Green Striped Italian. An improved strain of Cocozelle, darker green, shorter and more uniform shape. Very productive. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Long Island White Bush. Earlier and less scalloped than Mammoth White Bush. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Mammoth White Bush. Fruits 10 to 12 inches across, of uniform shape, flattened, scalloped; pure white in color. Pkt., 10c; oz., 20c; ¼ lb., 60c.

White Vegetable Marrow. Similar to Cocozelle but larger and later. Skin light green; flesh white. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Yellow Summer Crookneck. Golden yellow, thickly warted and of fine flavor. One of the best Squashes for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c.



Summer Crookneck and Mammoth White Squash

Winter Varieties

Boston Marrow. Similar in size and shape to improved Hubbard, with lemon-yellow skin and yellow flesh; rich and sweet. Extra fine keeper. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Hubbard, Blue. A new variety of Hubbard Squash. Skin is blue; flesh is orange-yellow and even finer in flavor and texture than the other Hubbards. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Hubbard, Golden. Same as Hubbard Improved, but skin is deep orange-yellow. Pkt., 10c; oz., 25c; ¼ lb., 75c.

HUBBARD, IMPROVED. The old favorite. Fruits large; skin dark green; flesh yellow and tender. Pkt., 10c; oz., 25c; ¼ lb., 75c.

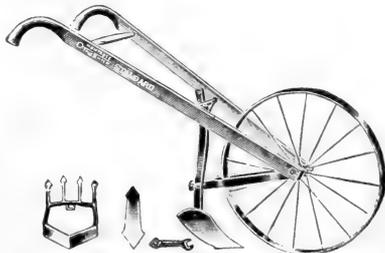
SALSIFY

(Oyster Plant) (Haferwurzeln)

A wholesome and delicious vegetable that will grow in any good garden soil. The name Vegetable Oyster is given it, owing to the flavor of the roots. Sow early in drills 15 inches apart and 1 inch deep, thinning out to 2 inches apart in the row. Take the roots up late in the fall and store in a cool, moist place.

One ounce of seed will sow 50 feet of drill.

Mammoth Sandwich Island. Large roots of superior quality and flavor. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.



No. 20 Single High Wheel Cultivator. A handy and efficient cultivator. The handles can be instantly adjusted to suit the operator's height, or to regulate the depth of cultivation. \$5.00.

TOMATOES (LIEBESAPFEL)



Beauty Tomatoes

Sow the seed in late February or early March, in the hotbed or a box indoors placed in a sunny window. When the plants are 2 to 3 inches high, transplant them to other boxes or paper pots, and transplant again, if possible, when about 6 inches high, to make them stocky and stimulate root growth. Set the plants in the garden, 3 to 4 feet apart in late May. A rich, moist, loamy soil is best for Tomatoes. An occasional application of nitrate of soda will push the young plants along rapidly. Sow three or four different varieties in order to have a succession of fruit all summer. Supporting the plants with stakes or trellis will increase the yield.

One ounce of seed will produce about 2000 plants.

Beauty. A favorite large, pink or purple-fruited, main crop variety. Productive. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50.

Bonny Best. Large, solid, deep scarlet fruits of superb quality. The best extra early for the home garden and largely grown for market. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50.

BREAK O' DAY. Remarkable new variety. Bright scarlet and about ten days earlier than Marglobe, which it greatly resembles. Pkt., 10c; ½ oz., 40c; oz., 75c.

Dwarf Stone. Fruits large and bright scarlet, like Stone but plants are dwarf in growth. Quality excellent. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

PENN STATE EARLIANA. The old standard extra early, bred to modern requirements. Fruits larger and borne over a longer period. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$1.75.

Globe, Livingston's. Medium early, productive under all conditions; one of the finest in quality. Fruits distinctly globe-shaped, purplish pink, solid, sweet and mild in flavor. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

John Baer. Follows right after Earliana; more solid, globe-shaped and of better quality. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

JUNE PINK. Similar in every way to Earliana except that the fruits are pink in color. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

STERILOAM

Sterilized loam for starting all plants indoors or in hotbeds. Prevents "damping off" and produces healthier plants. See page 74.

SCARLET TOPPER. (Pritchard). A self pruning mid-season variety. Fruits are medium sized, globe-shaped and bright scarlet in color. Resistant to wilt and nail head rust. Vines strong and vigorous. Pkt., 10c; ½ oz., 40c; oz., 75c.

MARGLOBE. A blight- and wilt-resistant strain of Globe Tomato developed by the U. S. Department of Agriculture. A heavy yielder of smooth, meaty, globular fruits. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.

MARHIO. A pink Marglobe of exceptional quality. Fruits large in size and very firm with few seeds. Pkt., 10c; ½ oz., 40c; oz., 75c.

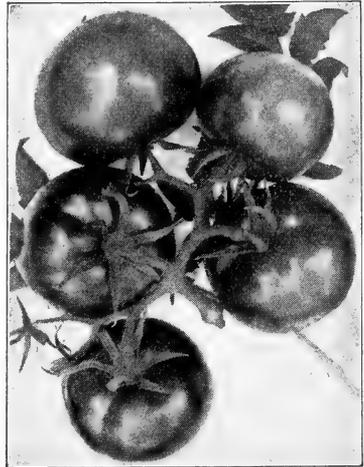
OXHEART. Fruits are generally heart-shaped, very solid and contain few seeds. An excellent pink variety for the home garden. Pkt., 15c; ½ oz., 50c; oz., 90c.

Ponderosa. The largest of all Tomatoes. Enormous, slightly irregular, purplish pink fruits, solid, with few seeds and of superb flavor. A favorite for main crop in the home garden. Pkt., 10c; ½ oz., 40c; oz., 75c.

The Stone. More largely grown than any other main crop Tomato. Extremely productive; large, smooth, meaty, bright scarlet fruit of fine quality. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

Yellow Ponderosa. A tall variety, with large fruits in shape and quality like Ponderosa but clear light yellow in color. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.

SMALL FRUITED TOMATOES. Yellow Plum, Red Cherry, Yellow Peach, Red Pear and Yellow Husk. Each, pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.



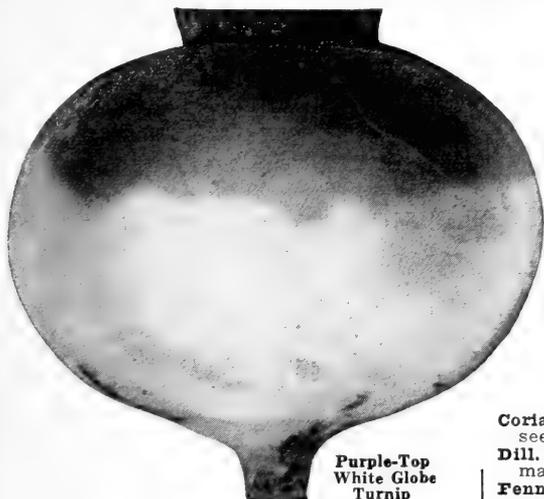
Penn State Earliana Tomatoes

Forcing Tomatoes

Alisa Craig. Carter's Sunrise. Sterling Castle.

Hundredfold.

Each, pkt., 25c; ½ oz., 50c; oz., 90c.



Purple-Top
White Globe
Turnip

TURNIP (WEIS RUBEN)

Turnips thrive best in cool weather. The early flat sorts may be sown from very early spring up to the middle of May. The main crop for fall and winter use should be sown in July or August. Sow the seed in drills 1 to 1½ feet apart and thin out to stand 4 inches apart.

One ounce of seed to 150 feet of drill;
1½ to 2 pounds per acre.

EXTRA EARLY WHITE MILAN. Pure white, flat roots of excellent quality and flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.00.

Purple-Top White Globe. Handsome, globular roots, white with the upper portion bright purple. Splendid keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Golden Ball or Orange Jelly. Roots almost round, smooth, and of a deep yellow color. Flesh is very sweet and tender. May be used as either an early or late sort. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.00.

Purple-Top Strap-Leaf. Good for early spring or fall use. Flat white roots with purple top. Good table quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Seven Top. Grown exclusively for the tops which are used in the same manner as spinach. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Snowball. Pure white, globe shaped and of finest quality. Matures very early. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.00.

RUTABAGA or SWEDE

Grow like ordinary Turnips. Sow in June.

AMERICAN PURPLE-TOP. Elongated globe shape; skin yellow underground and purple above; flesh yellow, fine grained. A large cropper and splendid keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Adco Artificial Manure

The process of making artificial manure consists of making a heap of all garden trash, wetting it and adding the bacterial powder Adco. In the course of four months this heap is converted into excellent manure. 25-lb. sack (enough for 12 wheelbarrows waste), \$2.25; 100 lbs., \$7.75. Delivered in Pittsburgh.

GARDEN HERBS

Anise. Annual. For garnishing, flavoring and medicinally for colic. Pkt., 10c; oz., 25c.

Ealm. Perennial. Used medicinally. Pkt., 15c.

Basil. Annual. Leaves have aromatic flavor resembling cloves. Pkt., 10c; oz., 25c.

Borage. Annual. Bears pretty blue flowers throughout the summer. Leaves are used for flavoring. Pkt., 10c; oz., 25c.

Caraway. Biennial. Seeds are used as flavoring for bread, cheese and pastry. Pkt., 10c; oz., 25c.

Catnip. Perennial. Used for seasoning. Pkt., 15c.

Chervil, Curled. For soups and salads. Pkt., 10c; oz., 25c.

Chives. Perennial. For flavoring salads, etc. Pkt., 25c.

Coriander. Annual. Grown for its aromatic seeds. Pkt., 10c; oz., 25c.

Dill. Annual. Used as a condiment and for making Dill pickles. Pkt., 10c; oz., 25c.

Fennel, Florence (Finocchio). Perennial. The thickened leaf stalks are boiled like celery. Flavor very sweet and delicate. Pkt., 10c; oz., 25c.

Horshound. Perennial. Used chiefly as a medicine. Pkt., 10c; oz., 40c.

Lavender. Perennial. The true sweet-scented Lavender. Pkt., 15c; oz., 75c.

Marjoram, Sweet. Annual. Leaves either green or dried are used for flavoring. Pkt., 10c; oz., 30c.

Martynia proboscidea. Annual. Young seed pods used for pickling. Pkt., 10c; oz., 40c.

Mint. Perennial. Spearmint for flavoring. Pkt., 20c.

Rosemary. Perennial. Leaves for flavoring; flowers for perfume. Pkt., 10c; oz., 50c.

Rue. Perennial. Used in medicine. Pkt., 15c.

Saffron. Annual. Leaves are used for flavoring. Pkt., 10c; oz., 30c.

Sage. Perennial. Leaves, both green and dry, are used for flavoring. Pkt., 10c; oz., 30c.

Savory, Summer. Annual. Leaves and flowers used for flavoring. Pkt., 10c; oz., 25c.

Sorrel. Perennial. Leaves used as a salad or for greens. Pkt., 10c; oz., 25c.

Tarragon. Perennial. For making Tarragon Vinegar. Pkt., 25c.

Thyme. Perennial. Leaves are used for seasoning. Pkt., 10c; oz., 50c.

Wormwood. (Absinth). Perennial. Very fragrant. Used as a tonic. Pkt., 15c.



Dill

YOUR FLOWER GARDEN

There are two big classes of flowers: **Annuals** which bloom the same season seeds are planted and **Biennials** and **Perennials**, which for the most part do not bloom until the following year after sowing seeds. (Biennials bloom the second season and then die; Perennials continue to bloom each year for an indefinite period).

Perennials, as a whole, have a longer blooming period but there are so many places where the annuals fit in and fill out that their importance in the general garden scheme cannot be overlooked. Therefore the well balanced garden will have a border of perennials, possibly interspersed with annuals, to fill out during the summer months, one or more beds of annuals for mass effect and in less conspicuous place a bed of annual flowers for cutting purposes. We give below a comparison of annuals and perennials which will aid you in making your selection.

ANNUALS

- 1 Bloom in a short time from sowing.
- 2 Annuals must be planted yearly.
- 3 Period of bloom possible from annuals is roughly five months.
- 4 Most varieties of annuals bloom over a period of from 6 to 8 weeks.
- 5 Annuals give their best display from July 15th until frost.
- 6 Annual seeds are usually low priced but must be bought yearly.
- 7 Annuals are very free blooming and when picked usually send out new flowering spikes.
- 8 Many annuals are quite fragrant.
- 9 The range of colors is very large, even in the same species.
- 10 For giving quick effect, annuals are unsurpassed.

TIME TO SOW. Sow hardy annuals outdoors as soon as the ground can be worked. The tender annuals can be started indoors in March or April or outdoors after danger from frost is past. Biennials and Perennials, which do not bloom the first season, are generally sown in a seed bed in June, July or August, and transplanted in late summer to the place where they are to bloom the following season. Perennials which bloom the first season should be sown in a box indoors in February or March, and transplanted to the garden late in May.

SOIL AND PREPARATION. Flowers can be successfully grown in practically all soils. Some good fertilizer, such as Florida Humus, Pulverized Sheep Manure, or Bone Meal should be dug in and thoroughly mixed with the soil when it is prepared for planting. The surface should be made as fine and level as possible.

PLANTING. The first thing to remember in planting flower seeds is not to plant them too deeply. The very fine seeds such as Petunia, Snapdragon, etc., should be scattered on the surface and pressed into the soil with a flat board. Sow larger seeds in shallow drills.

TRANSPLANTING AND THINNING OUT. With but a few exceptions, notably Poppies, young flower plants may readily be transplanted, so that they may be started in a hotbed or cold frame, or even in boxes in a sunny window, for later transplanting to the place where plants are to bloom.

As soon as the seedlings are large enough to handle they should be transplanted or thinned out to prevent overcrowding. Set plants slightly deeper than they were before lifting and be sure to firm the soil around the roots. A good rule for spacing plants in the garden is to set them apart half their full grown height.

Explanation of Symbols

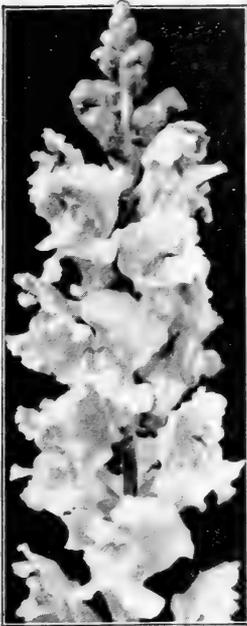
Immediately following the names of the different flowers will be found the letters AH, PH, etc. These are to be interpreted as follows:

- AH.** Annual hardy. Sow seed outdoors as soon as ground can be worked.
- AHH.** Annual half hardy. Sow early indoors or outdoors after May first.
- BH.** Biennial hardy. Requires very little winter protection.
- BHH.** Biennial half hardy. Best to winter in a cold frame.
- BT.** Biennial tender. For greenhouse use.
- PH.** Perennial hardy. Requires very little winter protection.
- PHH.** Perennial half hardy. Best to winter in a cold frame.
- PT.** Perennial tender. For greenhouse use.

REARRANGEMENT OF FLOWER SEEDS

For greater convenience in ordering we have grouped the Hardy Perennials and Biennial Flower Seeds on pages 48 to 57 inclusive.





Antirrhinum

Antirrhinum or Snapdragon

See full color illustration on front cover.

We offer this year a complete new listing of Antirrhinum or Snapdragons, all of which with the exception of the forcing and Tom Thumb varieties are Rust-proof or Rust-resistant. The Giant Colossal type includes colors not offered previously and besides being rust resistant are even finer than they have been in the past. The same holds true for the Half-Dwarf varieties. The Forcing varieties are all standard and especially grown for forcing under glass. Antirrhinum Tom Thumb is an excellent subject for rock garden work.

Snapdragons are general favorites, bearing long spikes of various colored flowers all summer. The half-dwarf varieties are splendid for low beds or borders, and for window boxes. The tall kinds may be grouped very effectively in the general border and are unexcelled as cut flowers.

Seed started indoors in February or March will bloom in early July or if started later outdoors will bloom in August. Plants may be wintered in a cold frame for bloom the following year.

Half-Dwarf Colossal Flowering

Flowers are almost as large as the Giant Colossal strain and the colors are bright and true. Bushy growth, seldom over 15 inches high, and covered with bloom from early summer until late fall. Stems long enough to make cut flowers.

722 Carmine Rose. Deep carmine-rose.

721 Glowing Sunset. Lower half of flower is scarlet, while the upper half is tinged with rose.

724 Indian Girl. Brownish orange overlaid with yellow giving an old gold effect.

726 Purity. Pure white.

727 Red Boy. Rich, deep dazzling scarlet.

728 Wildfire. Brightest orange-scarlet with distinct yellow lip.

729 Collection: One pkt. of each of the above 6 sorts, 75c.

730 Half Dwarf Mixed. A superb blend of colors.

Any of the above: Pkt., 15c; $\frac{1}{4}$ oz., 75c.

Giant Colossal Flowering

This type of Antirrhinum has always been a specialty with us and now that we are able to offer it in the improved rust-proof varieties and grand new shades it should prove more popular than ever. Plants are 2 to 2½ feet tall with nice long stems for cutting.

681 Alaska. Pure white.

682 Appleblossom. Light rose and yellow.

683 Fair Bird. Light canary-yellow.

684 Campfire. Luminous scarlet with yellow lip.

685 Cattleya. Beautiful lilac-rose.

686 Copper Shades. Delightful copper combinations.

687 Crimson. Deep crimson.

693 Daffodil. Golden yellow.

688 Fair Lady. Silver-pink with yellow lip.

691 Loveliness. Delightful soft rose-pink.

692 Old Gold. Deep golden yellow.

694 Wallflower. Wallflower-red.

Any of the above: Pkt., 20c; $\frac{1}{2}$ oz., 75c.

699 Collection: One pkt. of each of the above 12 sorts, \$2.00.

700 Superb Mixed. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

Greenhouse Forcing Varieties

There are almost numberless forcing varieties, each having its good points. We have selected the seven varieties listed below as being the best of their color and the most satisfactory to grow. All have been grown especially for forcing and the seed hand-picked to insure high germination.

701 Afterglow. Golden bronze.

702 Ceylon Court. Canary-yellow.

703 Cheviot Maid. Light rose-pink.

704 Geneva Pink. Rose-pink.

705 Roman Gold. Pink, copper and yellow.

706 Suntan. Tawny rose.

707 White Rock. Pure white.

Each pkt., 50c; 3 pkts., \$1.25.

708 Tom Thumb Mixed

A very dwarf variety 6 to 8 inches tall. Useful for borders and rock gardens. A wide range of color is included. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

ASPARAGUS. PT. Attractive greenhouse semi-trailing vines.

781 Plumosus nanus. Misty green sprays, very useful in the arrangement of cut flowers. Pkt., 25c; 100 seeds, 75c.

782 Sprengeri. Coarser and of more bushy growth than the above. Pkt., 15c; 100 seeds, 50c.

BEGONIA. PT. Everblooming bedding varieties. Pretty dwarf bedding and potting plants with waxy flowers and glaucous foliage. Start seed early in greenhouse.

981 Erfordia. Carmine, with dark foliage. Pkt., 25c.

983 gracilis luminosa. Fiery dark scarlet. Pkt., 25c.

984 gracilis, Prima Donna. Beautiful pink. Pkt., 25c.

982 Gustav Knaake. Salmon-pink. Pkt., 25c.

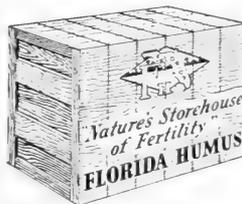
985 semperflorens, Salmon Queen. Rich clear salmon. Pkt., 25c.

986 Sutton's Brightness. Carmine-rose, green foliage. Pkt., 25c.

Florida Humus

Nature's Storehouse of Fertility

Readily endorsed by all who have used it as the biggest boon to gardeners in recent years. Page 76.



B. S. & B. Co.'s Supreme Asters

Many flower lovers omit Asters from their gardens, under the impression that they are difficult to grow, but during the past summer we have seen them growing side by side under what appeared to be the worst possible conditions with such hardy care-free flowers as Calliopsis, Poppies and Bachelor Buttons; there was even one lot interspersed, with a most brilliant effect, in a shrubby border.

Culture. Plant Aster seed indoors or in a hotbed in March for early blooms. When plants are 2 to 3 inches high, thin out or transplant to stand 4 inches apart each way or into 2½-inch pots. When 6 inches high, plants should be set in their permanent position, never closer than 12 inches apart.

Excellent results are also obtained by sowing seed where plants are to bloom. We have found that in many instances Aster-wilt and the yellows are less prevalent on plants raised in this manner. Sow seed in same manner as other annuals in a fine seed bed and do not cover too deeply. When large enough, thin out or transplant as given above.

Aster Diseases. Damping-off and Aster-wilt may be prevented by treating the seeds with Semesan before planting, or the roots may be dipped in a normal solution of liquid Semesan when transplanting.

The Aster Beetle has not been so bad the past few years, but is easily kept in control by the use of an arsenical spray.

930 CALIFORNIA GIANT SUNSHINE. A superb new Aster, the results of a direct cross between the Double California Giants and the old Sunshine type. Plants grow 2½ to 3 ft. high, and bear long stemmed flowers 5 to 6 inches across. Colorings are just as vivid as those of the old Sunshine type, yellow center discs and encircling guard petals with outer rows either pink, rose or blue. Pkt., 25c.



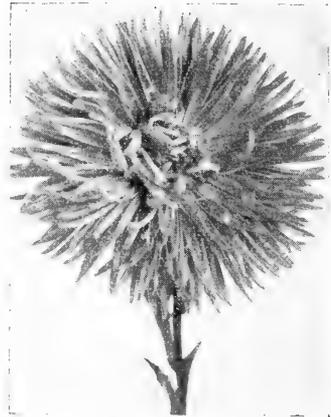
California Giant Sunshine Aster

AURORA ASTERS

A distinct type from Italy, somewhat similar to Sunshine Asters, but the guard petals are much closer together and centers are fuller.

940 Azure Blue. Guard petals are clear azure-blue with bright yellow center quills. Plants strong and vigorous, about 2 feet high. Pkt., 25c.

941 Golden Queen. Similar to the above but outer guard petals are creamy white, while the quills are a deeper yellow at the center. Pkt., 25c.



King or Needle Aster

WILT RESISTANT ASTERS. The dreaded Aster wilt has caused many gardeners to omit this beautiful flower from their gardens. Now with these wilt-resistant strains, developed after years of work, it is again possible to grow these lovely annuals, no matter how badly the soil is infested. No treatment of seed or soil is necessary before planting. These Asters are not resistant to the Aster Yellows, which is a disease carried by leaf-hoppers, the same as malaria is transmitted by mosquitoes, but the leaf hoppers can be controlled by frequent spraying with Ever Green Spray. See page 64.

WILT RESISTANT ROYAL ASTERS. Bloom early and over a long period, flowers are fairly large and are borne on long stems suitable for cutting.

841 Lavender.	844 Shell-Pink.
842 Purple.	845 White.
843 Rose.	850 Mixed.

Each, pkt., 15c; ¼ oz., 75c.

849 COLLECTION: One pkt. of each of the above 5 colors, 60c.

WILT RESISTANT QUEEN OF THE MARKET ASTER. These start the Aster season in July. The plants are bushy, branching freely and bear full, double flowers.

901 Crimson.	904 Lavender.
902 Dark Blue.	905 Scarlet.
903 Flesh-Pink.	906 Pure White.

910 All Colors Mixed.
Each, pkt., 15c; ¼ oz., 75c.

909 COLLECTION: One pkt. of each of the above 6 colors. 75c.

WILT RESISTANT AMERICAN LATE BRANCHING ASTER. The flowers are large and full-centered, borne on long, strong stems, making them ideal for cutting.

801 Crimson.	804 Shell-Pink.
802 Dark Blue.	805 Copper-Boss.
803 Light Blue.	806 Pure White.

810 All Colors Mixed.
Each, pkt., 10c; ¼ oz., 75c.

809 COLLECTION: One pkt. of each of the above 6 colors, 60c.

B. S. & B. Co.'s Supreme Asters



American Beauty Aster

LATE AMERICAN BEAUTY ASTER. The latest and the finest of all Asters. Plants 2 to 3 feet high, branching type. Commence to bloom in early September. Flowers are extremely large and are borne on 1½- to 2-foot stems. They ship well and last a long time in water.

871 Carmine-Rose. The original American Beauty Aster.

872 Crimson. Rich deep crimson.

873 Lavender. Light grayish lavender.

874 Purple. Deep royal purple.

875 September Beauty. Flesh-pink.

876 White Beauty. Mammoth in size.

880 Finest Mixed. All colors blended.

Each, pkt., 15c; ¼ oz., 75c.

879 COLLECTION: One pkt. of each of the above 6 colors, 75c.

THE KING or NEEDLE TYPE ASTER.

Quite distinct in form, with narrow, quilled petals, like a fine Cactus Dahlia. Flowers large, on long, stiff stems. Last for a long time in water.

861 Crimson King.

862 Lavender King.

863 Pink King.

864 Violet King.

866 White King.

870 Mixed King.

Each, pkt., 10c; ¼ oz., 75c.

869 COLLECTION: One pkt. of each of the above 5 colors, 40c.

WILT-RESISTANT CALIFORNIA GIANT. New race of Asters that surpasses, by far, any previously introduced. Plants strictly branching type, bearing their blooms on long, strong stems. The flowers themselves leave nothing to be desired. They are the same type as the Crego or Ostrich Feather Aster, with long, twisted and curled petals, full double, and when well grown 5 to 6 inches in diameter.

821 Deep Purple. Royal purple.

822 Deep Rose. Rich clear rose.

823 Light Blue. Clear light lavender-blue.

824 Peach Blossom. Peach-blossom-pink.

825 White. Pure snow white.

830 Supreme Mixed. A fine mixture containing all the above and other colors.

Each, pkt., 25c; ¼ oz., 75c.

829 COLLECTION: One pkt. of each of the above 5 colors, \$1.10.

SPECIAL VARIETIES OF ASTERS

937 New Fancy Yellow Aster. A yellow Aster that is really worth while. Flowers are fairly large, borne on long stems, and clear yellow in color. Pkt., 20c; ¼ oz., \$1.25.

934 Peerless Pink. Lovely light rose-pink. Large, late, and one of the best cut flowers. Pkt., 15c; ¼ oz., \$1.00.

Super Giant Asters

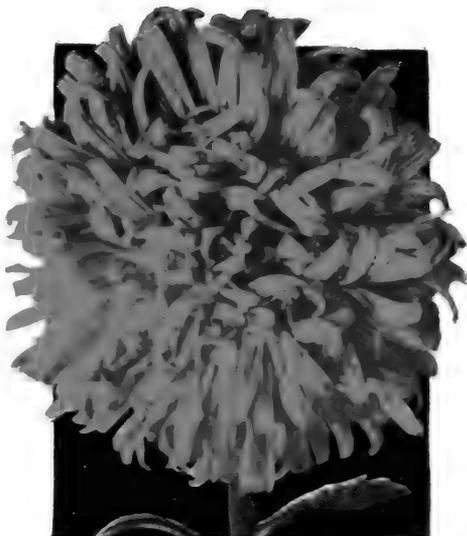
The largest and fullest double Aster in existence. Flowers 6 to 8 inches in diameter, full double and borne on long, strong stems.

935 Super Giant, Los Angeles.

Delicate shell-pink. Pkt., 25c.

936 Super Giant, El Monte.

Brilliant crimson. Pkt., 25c.



Aster, Super Giant, El Monte



Ageratum, Blue Ball

Ageratum - Flossflower ^{AHH}

Continuous blooming, bedding and cutting annuals. Flowers are tuft-shaped and borne in heads. Dwarf sorts for bedding and window boxes and the tall sorts for cutting. All varieties are fine for edging beds or borders. For early blooms seed should be started indoors in March.

572 Fairy Pink. Dwarf salmon-pink. Pkt., 25c.

575 Blue Perfection. Improved tall variety with deep sky-blue flowers. Height 12 inches. Pkt., 10c; ¼ oz., 50c.

576 Little Blue Star. Very dwarf and bushy, best variety for edging. Bright blue. Height 5 inches. Pkt., 25c; 5 pkts., \$1.00.

573 Dwarf Blue. Height 8 inches. Pkt., 10c; ¼ oz., 30c.

578 Blue Ball. Deep ageratum-blue. Plants are dwarf and compact and very free flowering. Pkt., 15c.

AMARANTHUS. AHH. Showy plants with brilliantly colored foliage.

635 Sunrise. A superb new Amaranthus with glowing crimson foliage. Height 3 to 4 feet. Pkt., 25c.

633 tricolor splendens (Joseph's Coat). Gorgeously scarlet, yellow and green foliage. Height 2 feet. Pkt., 10c; ¼ oz., 30c.



Alyssum, Carpet of Snow

510 ABUTILON, Choice Hybrids (Flowering Maple). PT. Everblooming greenhouse shrubs with delicately veined, bell-shaped flowers. May be set outdoors after June 1st. Pkt., 25c.

ADONIS (Flower-of-the-Gods). Blooms in early summer. The whole plant resembles a very dwarf Cosmos.

561 aestivalis. AH. Scarlet. Pkt., 10c.

585 AGATHAEA coelestis. PT. A beautiful, clear blue Daisy, growing 18 to 24 inches high. Plants are tender perennials, but may be treated as annuals, blooming in August from seed planted indoors in March. Pkt., 15c.

600 ALONSOA Warszewiczii (Maskflower). AHH. Bushy plants 1½ feet high with spikes of bright scarlet flowers. Somewhat similar to scarlet sage. Pkt., 15c.

Alyssum ^{AH}

Very dwarf-growing bedding or edging plants, covered with tiny white blossoms from early summer until frost.

612 Little Gem. Dwarf and compact; pure white. Pkt., 10c; ¼ oz., 25c; oz., 75c.

613 Carpet of Snow or Dwarf Bouquet. Plants flat and spreading. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

615 Snowflakes. The most compact and dwarf Alyssum. Flowers are pure snow white. Pkt., 15c; ¼ oz., 75c.

614 Lilac Queen. Similar to Little Gem, but lavender flowers. Pkt., 10c; ¼ oz., 30c.

650 ANCHUSA, Annual Blue Bird. AH. Until the introduction of this charming novelty the Annual Anchusas have been too straggly to be of use. Blue Bird is an upright bushy plant covered with bright indigo-blue, Forget-me-not-like flowers. Pkt., 15c.

761 ARCTOTIS HYBRIDA (African Daisy). AHH. A rare novelty that is surprisingly easy to grow. Flowers are daisy shaped in a wide range of colors and with dark center discs. Good for bedding and fine as cut flowers. Pkt., 25c.

760 ARCTOTIS grandis (African Lilac Daisy). AHH. Bushy plants 2 feet high, with daisy-like flowers. Petals are white on top, lilac underneath. Blooms all summer. Pkt., 10c; ¼ oz., 35c.



Arctotis Grandis

BALSAM, Double Camellia Flowered. AHH.

Old-time favorites with beautiful double camellia-like blossoms borne amongst the foliage. Blooms all summer. Height, 1½ ft.

- 961 Blush White. 964 Scarlet.
 962 Flesh-Pink. 965 Solferino.
 963 Salmon-Pink. 966 White
 970 All Colors Mixed.

Each, pkt., 10c; ¼ oz., 35c.

969 **COLLECTION:** One pkt. of each of the above 6 colors, 50c.

960 **Dwarf Torch.** See page 1.

950 **BALLOON VINE** (*Cardiospermum*). A H H. Quick-growing annual climber bearing small white flowers followed by green, balloon-like seed-pods. Pkt., 10c; ¼ oz., 20c.

975 **BARTONIA aurea.** AH. Free flowering annual, grows about 18 inches tall and is literally covered with bright yellow cups. Pkt., 15c.

1022 **BRACHYCOME iberidifolia, Mixed.** (Swan River Daisy). AHH. Bushy plants 1 foot tall, bearing a profusion of small daisylike flowers in shades of blue, pink and white. Pkt., 10c; ¼ oz., 50c.

1024 **BROWALLIA elata, Mixed** (Amethyst). AHH. Bushy plants 1½ feet tall, covered with blue or white star-shaped flowers. Blooms all season. Pkt., 10c; ¼ oz., 50c.

1023 **BROWALLIA speciosa major.** AHH. Fine large deep blue flowers much larger than the elata type. Pkt., 50c.

1010 **BLUE LACE FLOWER** (*Didiscus caeruleus*). AHH. Plants 2 feet tall bearing delicate sky-blue flowers greatly resembling Queen Anne's Lace. Pkt., 15c.



Balsam

1026 **CACALIA, Mixed** (Tassel-flower). AH. Plants 1½ feet tall, bearing yellow and scarlet tassel-like flowers all summer. Pkt., 10c.

1028 **CALCEOLARIA, Covent Garden Hybrids** (Slipper Flower). PT. Very pretty pot plants bearing a profusion of pocket-shaped flowers in shades of yellow and pink, spotted brown. Pkt., 50c.

Calendula - Pot Marigold

AH

One of the easiest and most satisfactory flowers to grow. Equally useful for bedding or cutting. Blooms all summer and requires very little care. Plants 15 inches high, bearing double daisylike flowers on long stems.

1030 **Orange Shaggy.** A really new and distinct Calendula. Brightest golden orange in color, the fringed petals give a most distinctive appearance. A 1935 Gold Medal Winner. Pkt., 15c.

1031 **Chrysantha or Sunshine.** Plants grow about 2 ft. tall and bear their huge flowers on long stems. Buttercup-yellow. Pkt., 15c.

1038 **Campfire or Sensation.** Color is bright glowing orange, almost scarlet. Flowers are extra large and borne on long stems. Pkt., 15c; ¼ oz., 50c.

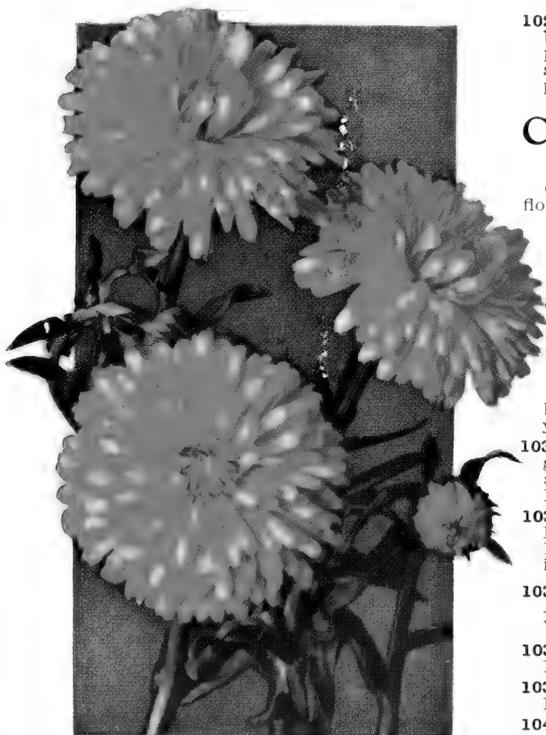
1036 **Ball's Orange.** The best for forcing. Plants bushy and not inclined to straggle. Flowers are full double and a deep glowing orange color. Pkt., 25c; ¼ oz., 50c.

1037 **Radio.** Deep orange with quilled petals. A pleasing change from the flat petalled varieties. Pkt., 15c; ¼ oz., 50c.

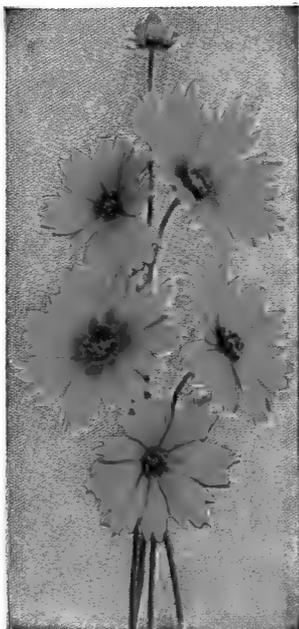
1032 **Lemon Queen.** Extra fine lemon-yellow. Pkt., 10c; ¼ oz., 25c.

1035 **Orange King.** Bright reddish orange. Pkt., 10c; ¼ oz., 25c.

1040 **Choice Double Mixed.** A well blended mixture that includes all colors. Pkt., 10c; ¼ oz., 25c.



Calendula, Sunshine



Calliopsis

Calliopsis - Bright Eyes AH

Small cosmos-like flowers on bushy plants of the easiest culture. They bloom all summer and will seed themselves and so come up from year to year. Plant seed in shallow drills as early in the spring as ground can be prepared, or on large areas, where a wild effect is wanted, broadcast and rake in.

1051 Crimson King. Dwarf; deep garnet. Pkt., 10c; ¼ oz., 30c.

1052 Golden Ray. Dwarf; bright yellow. Pkt., 10c; ¼ oz., 30c.

1053 Tiger Star. Dwarf; reddish brown, striped with yellow. Pkt., 10c; ¼ oz.; 30c.

1054 Crown of Gold. Pure yellow; grows 2 to 3 feet tall and is extra-fine for cutting. Pkt., 10c; ¼ oz., 30c.

1055 Golden Wave (C. Drummondii). Medium height; golden yellow with brown eye; very showy. Pkt., 10c; ¼ oz., 30c.

1057 Tall Mixed. Pkt., 10c; ¼ oz., 25c.

1058 Dwarf Mixed. Pkt., 10c; ¼ oz., 25c.

1120 Canary Bird Vine (Tropaeolum canariense). AHH.

Attractive slender climber with curiously shaped bright yellow flowers. Pkt., 10c; ¼ oz., 20c.

1076 Canterbury Bells, Annual. AH. Like the hardy Canterbury Bells but will bloom the first year from seed. Plants grow as tall and bear just as large flowers as the hardy form. Mixed colors only. Pkt., 25c.



Candytuft

Candytuft - Iberis AH

The flowers of the giant varieties are borne in trusses somewhat like Hyacinths and the umbellata varieties greatly resemble the annual Alyssum in both habit of growth and form of flower, excepting that they are considerably larger.

1131 Giant Empress, or Hyacinth-Flowered. Giant trusses of pure white flowers. Height 1 foot. Pkt., 10c; ¼ oz., 25c; oz., 75c.

UMBELLATA VARIETIES

1132 Crimson. 1134 Rose-Cardinal.

1133 Lavender. 1136 White.

Each, pkt., 10c; ¼ oz., 25c; oz., 65c.

1135 Sweet-Scented. A distinct type, very dwarf, with fragrant, white flowers. Pkt., 10c; ¼ oz., 25c; oz., 75c.

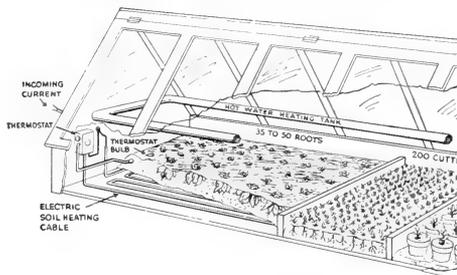
1140 All Colors, Mixed. Pkt., 10c; ¼ oz., 25c.

1170 CARDINAL CLIMBER (Ipomea quamoclit hybrida). AHH. One of the brightest and most attractive annual vines; slender and branching, with fern-like foliage and brilliant, star-shaped, scarlet flowers all summer. Soak the seed in warm water for several hours before sowing. Pkt., 15c; ¼ oz., 50c.

1160 CANNA, Choice Mixed. A fine mixture of the best sorts. Start indoors in March. Pkt., 10c; oz., 75c.

CANNA ROOTS. See page 60.

KEENE PLANT STARTER A Practical Greenhouse



You can beat the weather and grow exactly the kind and quantity of plants you want with the Keene Plant Starter. Hot water heat, either oil lamp or electricity, gives uniform temperature. May be set up on restles or boxes, so that no stooping is required. Lustra glass admits ultra-violet rays insuring sturdy growth.

Model 1. 31x41 by 26 inches high. Electric. \$27.00 delivered.

Model 2. 31x67 by 26 inches high. Electric. \$33.00 delivered.

Can also be supplied with oil lamp instead of electricity at \$2.00 less.

Keene Flats, 6x14½x21½ inches. Cypress. 18 for Model 1. 33 for Model 2. Each, 15c.

Celosia - Cockscomb AHH

Showy annuals with handsome foliage and gorgeously colored flower-heads. For largest and finest flowers, start seed indoors in March.

CRESTED COCKSCOMB (*C. cristata*). Curiously shaped flower-heads resembling a rooster's comb. Height, 10 in.

1201 **Empress**. Rich crimson. Pkt., 15c.

1203 **Queen of the Dwarfs**. Dark rose. Height, 6 to 8 in. Pkt., 15c.

1204 **Dwarf Mixed**. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

PLUMED COCKSCOMBS (*C. plumosa*). Two feet tall with large, pyramidal, feathered or plumed heads.

1211 **Thompsoni Crimson**.

1212 **Thompsoni Yellow**.

1214 **Thompsoni Superb Mixed**.

Each, pkt., 10c; $\frac{1}{4}$ oz., 50c.

1220 **Pride of Castle Gould**. A truly magnificent type of plumed Celosia. Blooms are long and feathered, like ostrich plumes, much more brilliant in color than the above. Supplied in mixed colors only. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

CHINESE WOOLFLOWER (*C. Childs*). A distinct form of Celosia bearing large, globular flower-heads that resemble balls of silky wool. Height, 2 ft.

1221 **Crimson**. 1223 **Yellow**. 1222 **Pink**.

1230 **Mixed**.

Each, pkt., 15c; $\frac{1}{4}$ oz., 40c.

CELOSIA LILLIPUT MIXED

1206. A fine new variety especially adapted for rock gardens. Plants are dwarf and compact with large flower heads in many fine shades. Pkt., 25c.



Centaurea Cyanus—Cornflower

Centaurea

CYANUS, Double (Cornflower or Bachelor's Button). AH. Also known as Ragged Sailor and Bluets but always popular by any name. Blooms all summer and in many localities seed themselves so that they come up year after year. Height 1 $\frac{1}{2}$ feet.

1241 **Blue Boy**.

1243 **White**.

1242 **Pink**.

1244 **Red Boy**.

1250 **Mixed**.

Each, pkt., 10c; $\frac{1}{4}$ oz., 25c.

1245 **Jubilee Gem**. See inside front cover page. Pkt., 25c.

IMPERIALIS (Royal Sweet Sultan). AH. Plants 2 $\frac{1}{2}$ to 3 feet tall, bearing flowers similar to the above but more open and larger; sweet scented.

1251 **Lavender**.

1254 **Rose**.

1252 **Lilac**.

1255 **White**.

1253 **Purple**.

1260 **Mixed**.

Each, pkt., 10c; $\frac{1}{4}$ oz., 35c.

1259 **COLLECTION**: One pkt. of each of the above 5 colors, 40c.

VARIOUS FLOWERING VARIETIES

1261 **americana** (Basketflower). AH. Rosy lilac flowers of giant size. Height 4 to 5 feet. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

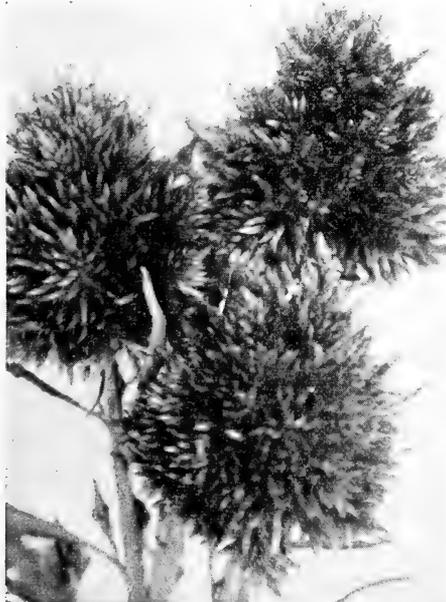
1263 **suaveolens** (Yellow Sweet Sultan). AH. Tall; creamy yellow; honey-scented. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

FOLIAGE CENTAUREAS. PHH. These are the popular "Dusty Millers"; fine for borders and edging; low growing; silvery white foliage.

1266 **candidissima**. Finely cut leaves. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

1267 **gymnocarpa**. Velvety leaves. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

1360 **CLEOME pungens** (Giant Spider Plant). AH. Showy for borders, blooming all summer. Rose-colored flowers with long "spidery" stamens. Height, 4 ft. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



Celosia—Chinese Woolflower



Single Annual Chrysanthemum

Chrysanthemums

All varieties of this popular family are nice for cutting and very valuable for bedding, or for mixed borders.

ANNUAL VARIETIES (Painted Daisies). AH. Plants 2 feet tall bearing large brilliantly colored, daisy-like flowers all summer.

1291 Burridgeanum. Single; white, banded crimson. Pkt., 10c.

1292 inodorum plenissimum. Double; white. Pkt., 10c.

1293 Evening Star. Large; single; golden yellow. Pkt., 10c.

1294 Morning Star. Single; primrose with dark center. Pkt., 10c.

1295 Northern Star. Single, white with attractive light yellow zone around a purple center. Pkt., 10c.

1299 COLLECTION: One pkt. of each of the above 5 colors, 40c.

1300 Single Mixed. Many colors. Pkt., 10c; ¼ oz., 25c.

1301 Double Mixed. Pkt., 10c; ¼ oz., 35c.

1304 frutescens (Florist's Marguerite). PT. Free-blooming; pale yellow, daisy-like flowers. Blooms during winter in the greenhouse. May be set outdoors in summer. Pkt., 15c.

CINERARIA. PT. Beautiful pot plants for greenhouse or conservatory. Easily grown from seed in boxes or small pots.

1321 multiflora nana hybrida. Very dwarf and compact. Pkt., 50c.

1322 Large-flowered Dwarf, Mixed. Extra-fancy. Pkt., 50c.

1325 stellata. Narrow petals; star form. Pkt., 50c.

California Super Giant. A remarkably large flowered strain from a California specialist.

1326 California Giant, Blue. Pkt., \$1.00.

1327 California Giant, Crimson. Pkt., \$1.00.

1328 California Giant, Salmon. Pkt., \$1.00.

1370 COBAEA scandens (Cathedral Bells). PT. A vigorous climber. Blooms the first summer from seed started indoors in March or in the open ground in May. Climbs 20 feet; flowers large, bell-shaped, purplish blue. Plant the seed edgewise and cover lightly. Pkt., 10c; ¼ oz., 25c.

1285 CHINESE FORGET-ME-NOT, BLUE. (Cynoglossum Amabile). AH. A clear, deep blue hardy annual. Flowers resemble Forget-me-nots and are borne on bushy plants about 2 feet tall. Excellent for cut flowers. Pkt., 15c; ¼ oz., 50c.

1286 CHINESE FORGET-ME-NOT, PINK. Fine novelty similar to the blue in habit of growth but bright pink in color. Very free blooming. Pkt., 25c; ¼ oz., 75c.

1380 COLEUS, Large-Leaved Hybrids. PT. Fine bedding plants, grown for their brilliantly colored variegated foliage. Start indoors in March. Pkt., 25c.

CYCLAMEN. PT. Beautiful flowers, suggesting butterflies. One of the most popular greenhouse pot-plants. The finest giant strains.

1470 Giant Mixed. Pkt., 50c; 100 seeds, \$2.50.

1480 CYPRESS VINE. AHH. A beautiful slender climber with little, scarlet or white, star-shaped flowers. Similar to Cardinal Climber. Pkt., 10c; ¼ oz., 25c.

CLARKIA. AH. Easily grown; bushy; free flowering from July to frost. Nice for cutting and pretty in beds. Flowers are double and borne on leafy racemes.

1341 Brilliant Crimson. 1344 White Prince.

1342 Salmon Queen. 1350 Double and

1343 Purple. Single Mixed.

Each, pkt., 10c; ¼ oz., 50c.



Clarkia

Wild Garden Mixture

We have had so many calls for something in flowers that could just be scattered and raked in odd spaces to give a wild-flower-garden effect that we have made up a tall and dwarf mixture especially for this purpose. These mixtures contain a large assortment of the various annual flowers that will grow and bloom with little or no care.

3300 Dwarf Wild Garden Mixture. Pkt., 10c; ¼ oz., 25c; oz., 75c.

3301 Tall Wild Garden Mixture. Pkt., 10c; ¼ oz., 25c; oz., 75c.



Single Early Cosmos

Cosmos AHH

EARLY-FLOWERING SINGLE. Start to bloom in July. Height 5 ft.

1401 **Crimson.** 1403 **White.**

1402 **Pink.** 1410 **Mixed.**
Each, pkt., 10c; ¼ oz., 30c.

LATE-FLOWERING GIANT SINGLE. Bear the largest flowers, often over 4 inches across. Height 6 to 7 feet.

1411 **Giant Crimson.** 1413 **Lady Lenox,**

1412 **Lady Lenox,** **White.**

Pink.

1420 **Late Giants Mixed.**

Each, pkt., 10c; ¼ oz., 25c.

EARLY DOUBLE or CRESTED. A beautiful new type with double or crested centers.

1421 **Crimson King.** 1423 **White Queen.**

1422 **Pink Beauty.** 1430 **Mixed Colors.**

Each, pkt., 20c; ¼ oz., \$1.00.

DOUBLE LATE.

1440 **Mixed. Pkt.,** 15c; ¼ oz., 60c.

1450 **COSMOS, Klondyke.** Pkt., 10c.

COSMOS, ORANGE FLARE

1455. The grand champion Gold Medal Winner All-America selection of flowers for 1935. Cosmos Klondyke formerly took seven to eight months to bring into bloom. This grand new variety shortens the time to a little over four months, so that seed planted the first of May will produce a riot of color during September. Plants grow 2 to 3 feet tall, bushy marigold-like foliage with bright orange flowers. Pkt., 15c.

Dimorphotheca AH

(African Orange Daisy)

Bushy plants, growing 8 inches high, covered all summer long with large daisy-like flowers. They make bright beds and grow well under all conditions.

1571 **aurantiaca.** Golden orange. Pkt., 10c; ¼ oz., 50c.

1572 **aurantiaca hybrids.** New shades, including cream, yellow, deep orange, etc. Pkt., 10c; ¼ oz., 50c.

1500 **DATUEA cornucopia.** AH. Bushy showy plants, which bear double trumpet shaped flowers, inside white, outside purple. Pkt., 10c.

1501 **DATUEA, Golden Queen.** AH. Double or triple flowered yellow. Height, 2 to 3 feet. An outstanding variety. Pkt., 25c.

Dahlia Seed

Growing Dahlias from seed is very interesting, for no two plants are alike in color. The seed we offer is collected from only the finest named varieties and should produce many new and distinct sorts.

Seed of the Double and Cactus varieties, sown in early April, will bloom freely the first season, and the single sorts will bloom even if sown as late as June. Use same cultural directions as for cabbage or tomatoes.

1495 **New Coltness Hybrids.** Dwarf single Dahlias which bloom the first year from seed. Flowers are very bright and attractive. Excellent for cut flowers. Pkt., 25c.

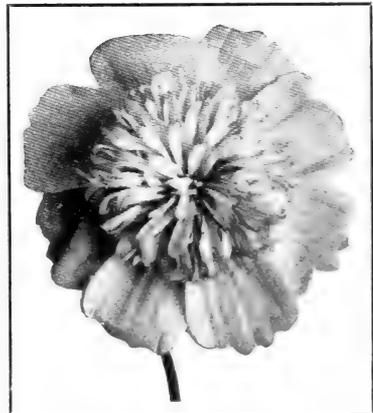
1496 **Unwins Mixed.** Dwarf plants bearing double and semi-double flowers in a wide range of colors. Pkt., 25c.

1491 **Cactus Mixed.** Pkt., 35c; ¼ oz., \$1.00.

1492 **Double Large-flowering Mixed.** Pkt., 20c; ¼ oz., 60c.

1493 **Peony-flowered Mixed.** Pkt., 25c; ¼ oz., 75c.

1494 **Single Choicest Mixed.** Pkt., 15c; ¼ oz., 40c.



Double or Crested Cosmos

Dianthus - Pinks

The varieties offered below represent the best of the old-fashioned annual "pinks," as well as the latest introductions in both the single and double varieties.

SINGLE JAPANESE PINKS (D. Hedde-
wigi.) AH. Height 20 in.

1531 **Crimson Belle**. Large crimson flowers.
1532 **Eastern Queen**. Marbled rose and
white.

1533 **Salmon Queen**. Light salmon.

1534 **The Bride**. White with purple center.

Each of the above, pkt., 10c; ¼ oz., 50c.

1537 **Choice Single Mixed**. Pkt., 10c; ¼ oz.,
30c.

DOUBLE JAPANESE PINK (D. Hedde-
wigi fl.-pl.) AH. Double forms of the pre-
ceding.

1541 **Fireball**. Dwarf; bright red; fringed.
1542 **Mourning Cloak**. Reddish mahogany,
with white margin.

1543 **Snowball**. Dwarf; pure white; fringed.

Each of the above, pkt., 10c; ¼ oz., 50c.

1546 *chinensis*, **Mixed**. Finest double forms.
Pkt., 10c; ¼ oz., 35c.

1547 **Japanese Double Mixed**. Pkt., 10c; ¼
oz., 35c.

1625 **ERYSIMUM Perofskianum** (Fairy
Wallflower). AH. A very rare color in
annuals, flowers are bright orange and
greatly resemble Wallflowers. Grows best
in sunny places. 18 inches high. Pkt., 15c;
¼ oz., 50c.



Double Annual Pinks



Helichrysum—Strawflower

Everlastings AH

A group of flowers which, when dried, retain their natural form and colors indefinitely and are highly prized for winter decorations. Cut them when the buds are half open and hang by the stems, head down, in a shady place until dry.

1653 **GOMPRENA** (Globe Amaranth). Clo-
ver-like flower-heads; pink, purple, white,
and bronzy yellow mixed. Pkt., 10c; ¼ oz.,
25c.

HELICHRYSUM (Strawflower). The most
popular of the Everlastings. Flowers of
good size, double daisy-shaped and bright-
ly colored.

1661 **Crimson**. 1664 **Fireball**.

1662 **Gold Ball**. 1665 **Rose**.

1663 **Silver Ball**. 1666 **Violet**.

1670 **All Colors Mixed**.

Each, pkt., 10c; ¼ oz., 25c.

1669 **COLLECTION**: One pkt. of each of the
above 6 colors, 50c.

DOLICHOS (Hyacinth Bean). AHH. Vigor-
ous climbing vines with handsome foli-
age and hyacinth-like sprays of flowers
followed by showy pods.

1581 **Darkness**. Lavender flowers; purple
leaves and pods. Pkt., 10c; oz., 40c.

1582 **Daylight**. Green foliage; white flow-
ers. Pkt., 10c; oz., 40c.

1590 **DRACAENA** (*Cordylina*) *indivisa*. PT.
Ornamental-leaved, tropical plants for the
conservatory. Pkt., 10c.

EUPHORBIA. AH. Plants with showy vari-
colored foliage; easy to grow in any sunny
spot. Height, 2 to 3 feet.

1645 **heterophylla** (Annual Poinsettia). Scar-
let and green. Pkt., 15c.

1646 **variegata** (Snow-on-the-Mountain).
Leaves broadly edged and marked with
white. Pkt., 10c; ¼ oz., 35c.

Eschscholtzia - California Poppy AH

Bushy plants with finely cut foliage and large poppy-like flowers all summer. May be used in mixed dwarf beds or as a border for taller beds. Height 8 to 12 inches.

- 1631 **Alba**. Pure white.
 1632 **California**. Pale yellow flowers.
 1633 **Carmine King**. Large; carmine-rose.
 1634 **Canaliculata rosea**. Soft pink; fluted petals.
 1635 **Golden West**. Glowing yellow.
 1636 **Mandarin**. Inside orange; outside scarlet.
 1637 **Rose Cardinal**. Creamy rose.
 1638 **Vesuvius**. Coppery red.
 Each, pkt., 10c; $\frac{1}{4}$ oz., 40c.
- 1639 **COLLECTION**: One pkt. of each of the above 8 colors, 70c.
 1640 **Special Single Mixed**. Large-flowering sorts, rich colors. Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c.
 1641 **Double and Semi-double, Mixed**. Pkt., 10c; $\frac{1}{4}$ oz., 40c.



Bright Eschscholtzias



Gaillardia

Gaillardia-Blanket Flower

ANNUAL VARIETIES. AH. Fine for cut flowers. Height, 1 to 2 feet.

- 1721 **Indian Chief**. Large, single, bronzed-red flowers. Pkt., 15c; $\frac{1}{4}$ oz., 75c.
 1722 **The Bride**. Double; creamy white. Pkt., 10c; $\frac{1}{4}$ oz., 75c.
 1723 **picata, Single Mixed**. Flowers of various colors, with zones or tips of distinct shades. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
 1724 **picata Lorenziana, Double Mixed**. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

1740 **GERANIUM zonale, Mixed. PT.** Easily grown from seed, start indoors and transplant to the open in May or June. Pkt., 20c.

1750 **GERBERA Jamesoni Hybrids (Transvaal Daisy). PT.** Tall, bushy plants with large, narrow-petaled, daisy-like flowers in all shades of red, with some whites and yellows. Pkt., 25c.

Four O'clocks - Mirabilis AH

Bushy plants 2 feet tall, literally covered with showy trumpet-shaped blooms all summer. Flowers are very sweet-scented, opening in late afternoon. Plant seed in drills $\frac{1}{4}$ inch deep where plants are to bloom, later thinning out to 15 inches apart. Please note we are offering this splendid flower in separate colors this year.

- 1701 **Red**. 1702 **Deep Rose**. 1703 **Yellow**.
 1704 **White**. 1710 **Mixed**.
 Each, pkt., 10c; oz., 25c.

1709 **COLLECTION**: One pkt. of each of the above 4 colors, 35c.



Four O'clock—Mirabilis

- 1765 **GILIA capitata**, AH. A fine new annual that should be welcomed into all gardens. Plants grow 2 feet high and bear globular heads of lavender-blue flowers on long stems. Pkt., 15c; $\frac{1}{4}$ oz., 35c.
- 1770 **GLOXINIA, Large-flowered Hybrids**. PT. Greenhouse plants with delicately spotted trumpet-shaped flowers. Pkt., 50c.

Godetia, Azalea Flowered

Bushy, free blooming annuals with brilliant Azalea-like flowers. Of compact form suitable for pot culture or excellent material for bedding. Does well in poor dry soil, 12 to 15 inches tall. Start indoors in March or outdoors in May.

- 1781 **Brilliant**. Brilliant carmine. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- 1782 **Carminea**. Carmine-rose. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- 1783 **Cornelia**. Delicate salmon-pink. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- 1784 **Sweetheart**. Bright clear cream-pink. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- 1790 **Azalea-Flowered Mixed**. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Ornamental Grasses

Mostly tall-growing grasses with variously colored foliage and pretty flower or seed-heads. When cut and dried they are very nice for winter decorations.

- 1810 **Agrostis nebulosa** (Cloud Grass). AH. Fine, misty sprays.
- 1811 **Briza maxima** (Big Quaking Grass). AH. Seed-heads like rattles.
- 1812 **Coix lacryma-Jobi** (Job's Tears). AH. Bead-like seeds.
- 1813 **Pennisetum villosum** (P. longistylum). (Feathertop). AH. White plumes.
- 1814 **Pennisetum Buppeli** (Fountain Grass). AH. Purple plumes.
- 1815 **Zea mays japonica** (Rainbow Corn). AH. Gorgeously striped leaves. Each, pkt., 15c.

GYPSOPHILA (Baby's Breath). Graceful plants with small flowers and misty foliage; nice for "background" in bouquets.

- 1841 **elegans alba**. AH. Large-flowered white. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.
- 1842 **elegans rosea**. AH. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.
- 1843 **muralis** (Cushion Gypsophila). AH. Very dwarf; pink blossoms. Good for edgings. Pkt., 10c; $\frac{1}{4}$ oz., 40c.
- 1830 **GREVILLEA robusta** (Silk Oak). PT. Easily grown pot plants with handsome foliage. Pkt., 10c; $\frac{1}{4}$ oz., 35c.



Red Sunflower



Ornamental Gourds

GOURDS, Ornamental Varieties. AHH. Vigorous climbing or trailing plants with heavy foliage and interesting and useful fruits.

- 1791 **African Pipe**. 1794 **Egg-shaped**.
 1792 **Dipper**. 1795 **Hercules' Club**.
 1793 **Orange**. 1796 **Pear-shaped**.
 1800 **Many Varieties Mixed**.
 Each, pkt., 10c; oz., 35c.

1799 **COLLECTION**: One pkt. of each of the above 6 sorts, 50c.

HELIOTROPE (Cherry Pie). PT. Prized for their delightful fragrance. Bloom the first season from seed started early indoors.

- 1881 **King of the Blacks**. Very dark violet; dwarf. Pkt., 15c.
- 1882 **Giant Hybrids**. Shades of blue and white. Pkt., 15c.

Helianthus - Sunflower

The ornamental varieties of Sunflower are excellent for background and screen plantings, and the miniature-flowered types make showy cut flowers. Easy to grow.

TALL, LARGE-FLOWERED SORTS. AH. For bright mass effects.

- 1851 **Double Chrysanthemum-flowered**. Giant, double golden yellow flowers. Height, 6 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1852 **Globe Sunflower**. Bright yellow, almost globe-shaped flowers; very free-blooming. Height 6 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1853 **Dwarf Double**. Height, 4 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1854 **Red Sunflower**. Various shades of red, maroon, mahogany, etc.; large flowers. Height, 6 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1855 **Mammoth Russian**. Height, 12 to 15 feet. Pkt., 10c.
- SMALL-FLOWERED SORTS**. AH. Free-blooming. Height, 3 to 4 feet.
- 1856 **Miniature**. Single; bright orange. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1857 **Orion**. Long, twisted, yellow petals. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1858 **Stella**. Deep golden yellow. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1950 **HUNNEMANNIA fumariaefolia** (Golden Cup). AH. The Giant Yellow Tulip Poppy. Bushy plants, 1 $\frac{1}{2}$ feet tall, with large, golden yellow flowers; very similar to California Poppies. July to frost. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- 1951 **HUNNEMANNIA, Sunlite**. A Poppy that makes an excellent cut flower. The extra band of petals is produced on the outside of the tulip-shaped flower. Bright canary-yellow. Plants grow about 18 inches tall. Pkt., 25c.
- 1940 **HUMULUS japonicus** (Japanese Hop). AHH. Neat, quick-growing vine. Will climb 30 feet. Thrives and stays green in spite of drought and heat. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



Lupinus

1970 KOCHIA trichophylla (Burning Bush). AHH. Annual hedge plants, 2 feet tall, oval in shape; bright green fernlike foliage, changing to blood-red in fall. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

IMPATIENS. PT. Continuous blooming pot plants for greenhouse or conservatory. Bushy growth and very floriferous.

1961 Holsti Hybrids. Pkt., 25c.

1962 Sultan Hybrids. Larger than the preceding. Pkt., 25c.

1965 IONOPSISIDIUM acaule (Violet Cress). AH. A very pretty dwarf annual; suitable for rock gardens and edging. Plants very dwarf with cress-like foliage. Flowers are bright lilac-blue. Pkt., 25c.

1985 LANTANA. Finest Mixed. PHH. Quick-growing plants with bright, verbena-like flower clusters. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Lupinus - Sun Dial

Fine flowers, suitable for both border decoration and cutting. They thrive best on a well-drained limestone soil, but will give satisfactory results under any ordinary condition and do not object to some shade. The plants are large, producing many tall spikes thickly set with pea-like blossoms.

ANNUAL HARTWEGI TYPE. AH. Bloom all summer. Height, 2 feet.

2088 King Blue. Enormous spikes of rich Oxford blue. Plants grow 3 to 4 feet high and are base branching, with 6 to 8 spikes to a plant. Pkt., 25c.

2090 King Mixed. Includes many different shades of blue, pink, rose and white. Easily grown from seed and remarkably true to type. Pkt., 25c.

2087 Sulphureus Superbus. Plants are large and vigorous, grow 2 to 3 feet high and bear 6 to 8 spikes of sulphur-yellow flowers. Pkt., 25c.

2091 Dark Blue.

2093 Rose.

2092 Light Blue.

2094 White.

2100 Mixed.

Each, pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Larkspur AH

Easily and quickly grown in any garden. The graceful spikes are nice for cutting. The following Double Stock-flowered varieties grow 2½ feet tall and bloom all summer.

1988 La France. Clear salmon-pink. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

1994 Rosamond. Gold Medal 1934 All-America Selections. Pure rose-pink. Pkt., 15c.

1991 Dark Blue. **1993 Newport Pink.**

1997 Light Blue. **1995 White.**

1992 Lilac. **2000 Mixed.**

Each, pkt., 10c; $\frac{1}{4}$ oz., 30c.

1996 Exquisite Pink. Beautiful soft pink. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

1999 COLLECTION: One pkt. each of 8 colors, 75c.

Giant Imperial Larkspur

A grand new race of Annual Larkspur, branching from the base so that all spikes are long stemmed.

2001 Blue Spire. Rich, deep Oxford blue. Pkt., 25c.

2002 Gloria. Rich, deep rose. Pkt., 25c.

2003 Peach Blossom. Clear, light pink. Pkt., 25c.

2004 Blue Bell. Clear azure-blue. Pkt., 25c.

2006 White Spire. Pure white. Pkt., 25c.

2005 Giant Imperial Mixed. Pkt., 25c.



Giant Imperial Larkspur

LAVATERA (Annual Mallow). AHH. Shrubby plants, growing about 2 feet tall and blooming all summer. Large single flowers somewhat like Hibiscus.

2021 Giant Rose. **2022 Giant White.**

Each, pkt., 10c; $\frac{1}{4}$ oz., 25c.



Lobelia, Emperor William

Lobelia AHH

Lobelia is one of the most charming blue border plants. Easily grown from seed, it blooms continuously and profusely from early summer until late fall. Equally adapted for borders, porch boxes, or hanging baskets. Start seed in boxes or pots indoors to prolong the blooming season. Prefers a rather moist, rich soil.

- 2071 compacta, Crystal Palace.** Azure-blue with white eye; compact and bushy. Pkt., 15c.
2072 Emperor William. Dark blue; compact. Pkt., 25c.
2073 Gracilis. Trailing; light blue. Pkt., 10c.
2074 Speciosa. Trailing; dark blue, white eye. Pkt., 15c.
2076 compacta, Mixed. Pkt., 10c; 1/8 oz., 50c.

LEPTOSYNE. AH. Blooms five weeks after sowing; resembles Coreopsis. Height, 1 ft.

- 2041 maritima.** Lemon-yellow. Pkt., 15c.
2042 Stillmani. Orange-yellow. Pkt., 15c.
2052 LINARIA Maroccana Hybrids (Toad Flax). AH. Flowers resemble snapdragons but spaced farther apart. White, Pink, Yellow, and Blue mixed. Pkt., 15c.
2061 LINUM grandiflorum rubrum (Crimson Flax). AH. Very pretty dwarf plants with bright red flowers. Pkt., 10c; 1/4 oz., 30c.
2190 MATTHIOLA bicornis (Evening Scented Stock). AH. A species of Stock with lilac-colored blooms which give off a delicate fragrance in the evening. Pkt., 10c; 1/4 oz., 25c.

2200 MAURANDIA, Mixed. PT. A graceful slender climber with blue, mauve, or white flowers; nice for vases. Pkt., 25c.

2210 MESEMBRYANTHEMUM crystallinum (Ice-plant). AHH. An interesting plant with a transparent coating which looks like ice on stems and leaves. Pkt., 10c; 1/4 oz., 25c.

2212 MESEMBRYANTHEMUM criniflorum (Livingstone Daisy). AAH. Dwarf bushy plants covered with small Daisy flowers in various shades. Pkt., 25c.

2230 MIMOSA pudica (Sensitive Plant). AHH. A unique plant with leaves that close and droop when touched. Pkt., 10c.

2240 MIMULUS moschatus (Musk Plant). PHH. Small yellow flowers, fragrant leaves; nice for hanging-baskets. Pkt., 15c.

MOMORDICA. AHH. Vines with ornamental foliage and peculiar warted fruits that open and show scarlet interiors in fall.

2251 Balsamina (Balsam Apple). Round yellow fruits; climbs 10 ft. or more. Pkt., 10c.

2252 Charantia (Balsam Pear). Pear-shaped fruits. Pkt., 10c.

Morning Glory AHH

2271 Colorado Blue. A fine clear blue Morning Glory from Colorado. Pkt., 15c.

2272 Imperial Japanese, Mixed. A very large-flowered strain; many beautiful and unusual colors. Pkt., 10c; oz., 40c.

2274 Dwarf, Mixed. For beds and rock gardens. Height, 1 foot. Pkt., 10c; oz., 25c.

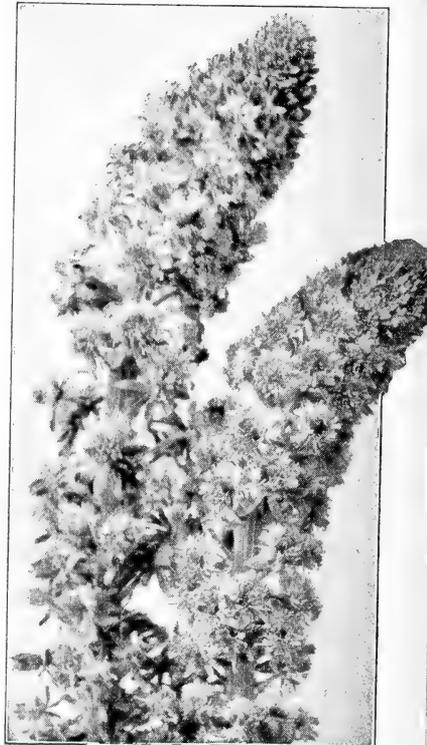
2275 Brazilian. Tall-growing, with rose-pink flowers. Pkt., 10c; oz., 60c.

2280 MUSA ensete (Abyssinian Banana). PT. Handsome conservatory plant. May be used outdoors in summer. Pkt., 25c.

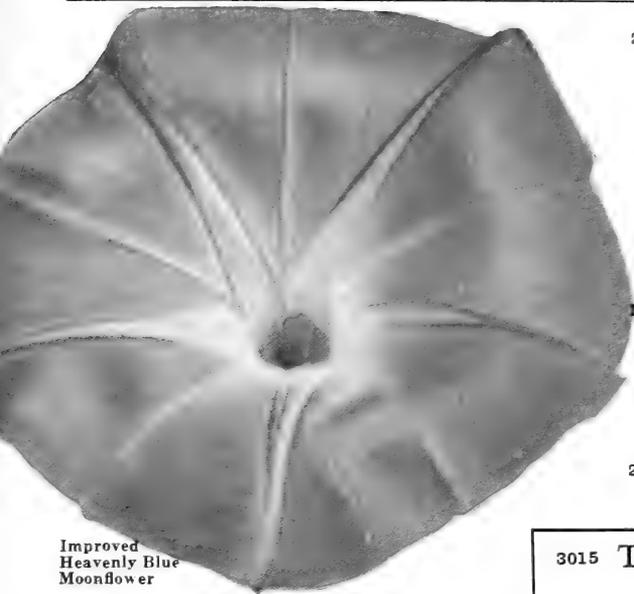
Mignonette AH

Always a favorite for its distinctive fragrance. Prefers a dry, sunny spot. Easy to grow and fine for cut flowers. Height, 10 inches.

- 2221 Defiance.** Large, grayish flowers. Pkt., 10c; 1/4 oz., 30c.
2223 Goliath. Giant flowers of deep red. Pkt., 15c; 1/4 oz., 50c.
2224 Machet. Reddish tinted. Pkt., 10c; 1/4 oz., 35c.
2225 Old-fashioned Sweet-scented. Small flowers but very fragrant. Pkt., 10c; 1/4 oz., 25c.



Mignonette, Goliath



Improved
Heavenly Blue
Moonflower

Marigold - Tagetes ^{AR}

DOUBLE AFRICAN. Large, globular flowers made up of tiny five-petaled florets;

2152 Lemon Queen. Clear lemon-yellow. Height 2½ ft. Pkt., 10c; ¼ oz., 50c.

2158 Lemon Queen, Prize Strain. Pkt., 25c.

2153 Orange Prince. Bright orange. Pkt., 10c; ¼ oz., 50c.

2157 Orange Prince, Prize Strain. Pkt., 25c.

2154 Tall Double, Mixed. Pkt., 10c; ¼ oz., 30c.

2156 Dwarf Double, Mixed. Pkt., 10c; ¼ oz., 30c.

2160 Dixie Sunshine. Award of Merit 1936, All-America Selections. Ball-shaped flowers made up of tiny five-petaled florets; color is brilliant golden yellow; plants are tall and bushy. Pkt., 25c.

CARNATION-FLOWERED MARIGOLDS

2150 Guinea Gold. Still a favorite for all garden purposes. Orange flushed with gold, plants 2½ to 3 feet high. Pkt., 15c.

2151 Yellow Supreme. The lemon-yellow counterpart of Guinea Gold with somewhat larger flowers. Pkt., 15c.

DOUBLE FRENCH DWARF. Height, 10 inches.

2161 Gold Striped. Reddish brown, striped bright yellow; very showy. Pkt., 10c; ¼ oz., 40c.

2162 Pigmy Golden Ball. Pure yellow. Pkt., 10c; ¼ oz., 40c.

2163 Mahogany. Reddish brown. Pkt., 10c; ¼ oz., 40c.

2164 Dwarf Double, Mixed. Pkt., 10c; ¼ oz., 30c.

SINGLE FRENCH DWARF.

2172 Legion of Honor. Yellow, spotted brown, very bright. Pkt., 10c; ¼ oz., 30c.

2167 Dwarf Royal Scot All Double. Plants are almost uniform in size and shape, 10 to 12 inches high and of distinct bushy growth. Flowers are all full double, rich mahogany striped with gold. Pkt., 15c.

2263 HEAVENLY BLUE IMPROVED MOONFLOWER.

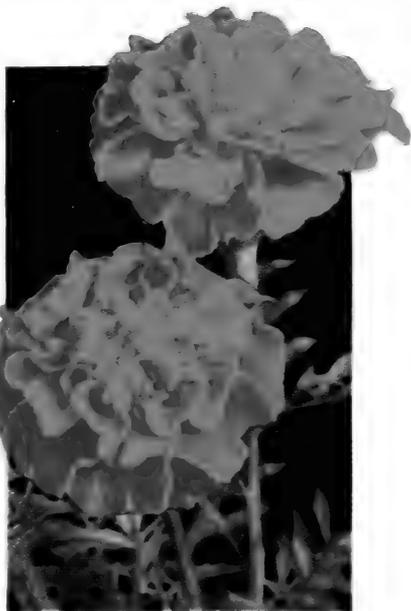
This new improved strain of Heavenly Blue Moonflower opens in the early morning, but remains open until about 3 o'clock in the afternoon on sunny days and much later on dull days. Flowers are large and deep intense blue in color. A fence or trellis covered with these charming blue flowers gives a never-to-be-forgotten thrill. For best results plant in a dry location, use no fertilizer and do not plant until the weather is warm. Pkt., 15c.

MOONFLOWER. AT. Vigorous climbers with immense, flat, round blossoms which open in early evening and close the following morning. The seed is delicate and should be started indoors, first soaking it in water for several hours. Plant outdoors late in May.

2261 Black-seeded White. Pkt., 15c; oz., 75c.

3015 Tagetes Signata Pumila Little Giant

We know of no other dwarf plant that apparently bears so many blooms as this new strain of Tagetes. Plants grow 6 to 8 inches tall, spread 10 to 12 inches in diameter and when in full bloom, the green fern-like foliage is hardly visible. Wonderful as a border plant or for dwarf beds combined with Blue Ball Ageratum. Pkt., 15c; ½ oz., 50c.



**MARIGOLD, FRENCH DWARF
DOUBLE HARMONY**

2166. The outer guard petals are deep velvety maroon. The central petals are tubular and bright orange-yellow. Pkt., 15c.



Nicotiana, Crimson King

Nicotiana

Sweet Scented Tobacco. AHH. Fine border plants, 2 to 3 ft. tall, with clusters of long, trumpet-shaped flowers all summer. Delightfully fragrant in the evening.

- 2351 affinis.** Flowers pure white. Pkt., 10c; ¼ oz., 30c.
- 2352 affinis Hybrids.** Shades of pink and red. Pkt., 10c; ¼ oz., 30c.
- 2355 Crimson King.** Medium tall plants with large deep crimson blooms. Pkt., 25c.
- 2353 Sanderae Hybrids.** Not so tall as N. Affinis but larger flowered. Many shades of red and lavender. Pkt., 10c; ¼ oz., 30c.
- 2354 sylvestris.** Large white flowers. Pkt., 10c; ¼ oz., 30c.
- NIGELLA** (Love-in-a-mist). AH. Erect, sturdy plants with pretty flowers, surrounded by feathery foliage. Height, 15 inches.
- 2361 mascalena, Mixed.** Blue and white. Pkt., 10c; ¼ oz., 25c.
- 2362 Miss Jekyll.** Large, double, deep blue flowers; excellent for cutting. Pkt., 10c; ¼ oz., 25c.
- 2330 NEMESIA Suttoni, Large-flowered, Mixed.** AHH. Bushy plants 1 foot high, with flowers similar to miniature snapdragons. Bright colors. Pkt., 20c.
- 2340 NEMOPHILA, Mixed** (Baby-blue-eyes). AH. Cup-shaped flowers, white and shades of blue; all summer. Height, 1 foot. Pkt., 10c.
- 2435 PASSIFLORA caerulea.** AHH. Beautiful blue climber from Mexico. It was given great religious significance at the time of its discovery, due to the singular formation of the flowers. Pkt., 25c.

Double Gleam Nasturtiums

- 2322 Double Golden Gleam.** The original double Nasturtium and in our opinion one of the finest flowers of today. Pkt., 15c; oz., 50c.
- 2321 Dwarf Double Golden Globe.** A dwarf form of the immensely popular original Golden Gleam. Flowers same size and just as fragrant. Award of Merit 1936, All-America selections. Pkt., 15c.
- 2325 Double Orange Gleam.** Deep golden orange. Pkt., 15c.
- 2323 Double Scarlet Gleam.** Bright dazzling scarlet. Pkt., 15c.
- 2324 Double Gleam Hybrids.** A superb mixture comprising all colors. Pkt., 15c; oz., 50c.
- 2326 Double Salmon Gleam.** Clear salmon-pink. Pkt., 15c.
- 2327 Dwarf Double Gem Mixed.** Round compact plants covered with flowers on long stems. Pkt., 15c.
- DWARF SINGLE VARIETIES**
- 2301 Chameleon.** Several shades on each plant.
- 2302 Yellow and Crimson. 2303 Scarlet. 2304 Golden Yellow. 2306 Crimson. 2305 Bright Red. 2307 Cream. 2308 Salmon-Rose.**
- Each, pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.
- 2310 Choicest Dwarf Mixed.** All colors. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.
- TALL SINGLE NASTURTIIUMS**
- 2320 Choicest Tall Mixed.** Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

Bedding Petunias AHH

This dwarf type is especially recommended for large beds and borders and blooms luxuriantly from early summer until killed by frost.

- 2471 Crimson.** Deep crimson. Pkt., 10c.
- 2472 Dwarf Inimitable.** Flowers distinctly striped. Pkt., 10c; ¼ oz., 60c.
- 2473 Howard's Star.** Crimson-maroon with a bluish-white star. Pkt., 10c; ¼ oz., 60c.
- 2474 Rosy Morn.** Covered with bright pink flowers. Pkt., 10c; ¼ oz., 60c.
- 2475 Snowball.** Dwarf; pure white. Pkt., 10c; ¼ oz., 60c.
- 2476 Silver Blue.** Dwarf, light blue bedding Petunia. Pkt., 10c; ¼ oz., 60c.
- 2477 Rose of Heaven.** Flowers are clear brilliant rose and profusely borne all summer. Pkt., 10c; ¼ oz., 60c.
- 2478 Nana Compacta, Pink Gem.** 6 to 8 inches tall covered with clear pink flowers. Pkt., 15c.
- 2482 Nana Compacta, Rose Gem.** Deep rose flowers on small compact plants. One of the finest for bedding or borders. Award of Merit 1936. Pkt., 35c.
- 2481 Violaeca.** Deep violet-purple. Pkt., 10c; ¼ oz., 60c.
- 2483 Flaming Velvet.** Gold Medal 1936. Brilliant velvety red, one of the best. Pkt., 25c.
- 2480 Choice Bedding Mixed.** All colors. Pkt., 10c; ¼ oz., 50c.
- BALCONY PETUNIA.** Vigorous, trailing plants with profuse blooms of large size.
- 2461 Blue.** Deep violet-blue—a rare and exceedingly attractive color. Pkt., 25c; ¼ oz., \$1.00.
- 2462 Rose. 2464 White. 2463 Crimson. 2466 Mixed.**
- Each, pkt., 15c; ¼ oz., 75c.
- 2469 COLLECTION:** One pkt. of each of the above 4 colors, 60c.



Petunia, Dwarf, Martha Washington

Petunias for All

Petunias, in the fine strains available today, are one of our finest summer flowers. For bedding they are unsurpassed, and are almost indispensable for porch and window boxes.

CULTURE. The Giant varieties are best started indoors in February or March, and transplanted in May to the place where they are to bloom, while the Bedding sorts will give excellent results if sown in the open in April or May.

Petunia seeds are very fine and should be sown in very shallow drills. The best method is to sow on top of the soil, press down firmly with a smooth board, water, and then cover with cheesecloth or paper until the seedlings show. Keep well watered at all times, and transplant as soon as large enough to handle.

GIANT-FLOWERED SINGLE and DOUBLE

2450 Theodosia. Giant single flowers delicately fringed. Rich clear pink with yellow throat. Pkt., 35c.

2451 Dwarf Giant of California. Large flowers, ruffled petals. Very compact growing. Pkt., 35c.

2452 Giant Single Fringed Mixed. The flowers are monstrous in size and all are delicately veined with contrasting colors. Pkt., 35c; 3 pkts., \$1.00.

2453 Marvelous Double Fringed Mixed. Flowers are of largest size, full double and finely fringed. This is the finest strain we have ever seen. Pkt., 60c.

2467 Ruffled Dwarf, Martha Washington. Large pink, flowers delicately veined with purple on dwarf compact plants. Pkt., 35c.

2468 Lace Veil. Large, pure white, delicately fringed. Pkt., 50c.

GIANT PORTLAND PETUNIAS. A beautiful new form of Petunia; on the same order as the Balcony type. Plants make a stocky, semi-trailing growth and bear extremely large ruffled and fringed flowers. Excellent for porch and window boxes.

2454 Elk's Pride. Royal purple, large flowers.

2455 Pink Glory. Plain edged, deep rose in color.

2456 Pride of Portland. Clear rose, delicately veined.

2457 White Beauty. Large, fringed pure white.

Each, pkt., 25c; 4 pkts., 90c.

2459 COLLECTION: One pkt. of each of the above 4 colors, 90c.

2460 Giant Portland Mixed. Pkt., 25c.



Yellow Petunia, Dainty Lady

2458. Award of Merit All-America Selections and also from the Royal Horticultural Society. Plants are compact, upright and bushy; flowers, mostly held erect, are delicate yellow as they first open, changing to a creamy white as the flower ages. Edges of the petals are delicately fringed. Pkt., 35c.

Phlox Drummondii

AHH

Easily grown bedding annuals. They are gorgeous in masses, blooming from early summer to fall, requiring a sunny location and only a moderately good soil. Flowers are borne in heads on fairly long stems.

Large-Flowered Tall Varieties (P. grandiflora). Broad trusses. Ht. 12 inches.

- | | |
|------------------|--------------|
| 2491 Blood-red. | 2496 Violet. |
| 2492 Crimson. | 2497 White. |
| 2493 Flesh-pink. | 2498 Yellow. |
| 2494 Rose. | 2490 Salmon. |
| 2495 Scarlet. | |

Each, pkt., 10c; ¼ oz., 50c.

2499 **COLLECTION:** One pkt. each of the above 9 colors, 80c.

2500 **Choicest Mixed.** Pkt., 10c; ¼ oz., 40c.

2501 **Starred and Fringed, Mixed** (P. cuspidata). Petals deeply cut and fringed in various star shapes. Pkt., 10c; ¼ oz., 50c.

2502 **Dwarf Cecily Phlox.** Finest mixed. A large-flowered type of bushy growth. Splendid for edging. All colors. Height 6 to 8 inches. Pkt., 15c; ¼ oz., 75c.

2503 PHLOX, GIGANTEA ART SHADES.

A fine new strain of Phlox with flowers over an inch in diameter. Plants grow 9 inches high in a beautiful range of soft art shades. Mixture only. Pkt., 15c; ¼ oz., \$1.00.

PORTULACA (Sun Rose). AH. Flowers resemble miniature single and double Roses in a wide assortment of brilliant reds, pinks, yellows and whites. Sow seed as early in the spring as the ground can be prepared in very shallow drills or broadcast on the surface and cover lightly.



Phlox, Art Shades

PORTULACA

2571 **Single Mixed.** Pkt., 10c; ¼ oz., 30c.

DOUBLE PORTULACA.

2573 **Double Golden Yellow.**

2574 **Double Deep Rose.**

2575 **Double Deep Crimson.**

2576 **Double Deep Scarlet.**

2577 **Double White.**

Each, pkt., 20c; 3 pkts., 50c.

2579 **Collection:** One pkt. of each of the above 5 varieties, 85c.

2572 **Double, Mixed.** Pkt., 15c; ¼ oz., 60c.

Poppies

Given a light soil and a sunny location, Poppies grow almost like weeds. The seed should be scattered thinly on the surface of a mellow seed-bed, or barely covered with fine soil.

SINGLE ANNUAL POPPIES. AH.

2541 **Admiral.** Tall; large white flowers edged with scarlet. Pkt., 10c; ¼ oz., 25c.

2542 **American Legion.** Orange - scarlet. Height, 1½ ft. Pkt., 10c; ¼ oz., 30c.

2543 **The Bride.** Large; pure white. Pkt., 10c; ¼ oz., 25c.

2544 **Dannebrog, or Danish Flag.** Scarlet marked with white in the shape of a cross. Showy. Pkt., 10c; ¼ oz., 25c.

2545 **Tulip** (Papaver glaucum). Flaming cardinal-red. Pkt., 10c; ¼ oz., 30c.

2546 **Single Shirley, Mixed.** Lovely shades of red, pink, salmon, and white. Height 1½ ft. Pkt., 10c; ¼ oz., 25c.

2550 **Choice Single Mixed.** Pkt., 10c; ½ oz., 35c; oz., 60c.

BARR'S MAMMOTH DOUBLE POPPY. Plants are strong and vigorous and the flowers are much larger than the old Peony and Carnation-flowered types.

2551 **Irresistible.** Salmon shades.

2552 **Taplow Pink.** Clear pink.

2553 **Rose Brilliant.** Bright rose.

2555 **White Colossal.** Pure white.

Each, pkt., 15c; ¼ oz., 40c.

2554 **Double Shirley Hybrids.** All the dainty colors of the Shirley type. Pkt., 10c; ½ oz., 50c.

2560 **Double Carnation-Flowered, Mixed.** Large flowers with fringed petals. Height 2½ ft. Pkt., 10c; ½ oz., 35c.



Salpiglossis (See page 41)

Primula - Primrose

TENDER VARIETIES PT

- 2590 **OBONICA GIGANTEA**. Very large, round flowers. Pkt., 50c.
- OBONICA GRANDIFLORA**. Flowers smaller but borne more profusely than the Giganteas.
- 2592 **Celestial Blue**. Pkt., 75c.
- 2593 **Deep Bed** (Mohnstein.) Pkt., 75c.
- 2594 **Rosea** (Mueller). Rose. Pkt., 75c.
- 2595 **Hamburger Rosea**. Deep rose. Pkt., 75c.
- 2596 **Crimson King**. Pkt., 75c.
- 2600 **Mixed**. All colors. Pkt., 50c.
- 2601 **Primula malacoides, White**. Pkt., 75c.
- 2604 **Primula malacoides rosea**. Pkt., 75c.
- 2602 **malacoides, Lilac Baby Primrose**. Small flowers on long stems. Pkt., 35c.
- 2603 **stellata**. Star Primrose. Pkt., 50c.
- 2580 **Chinensis Mixed**. Pkt., 25c.
- 2680 **SANVITALIA procumbens**. AH. Showy, free-blooming bushy plants, 6 inches high; flowers bright yellow, double; blooms all summer. For beds and edging. Pkt., 10c; ¼ oz., 50c.
- 2690 **SAPONARIA vaccaria**. AH. Plants 2 feet high, bearing many small pink gypsophila-like flowers. Pkt., 10c.
- SCHIZANTHUS** (Butterfly Flower). AH. Large, shrubby plants covered with dainty blossoms. Height 2 feet.
- 2721 **wisetonensis** (Improved Strain). Many beautiful light colors. Pkt., 25c.
- 2722 **Dr. Badger's Large Flowered Hybrids**. An extra-fine strain of large flowered hybrids in a beautiful array of color. Pkt., 25c.

Salvia - Scarlet Sage AH

Familiar bedding annuals. Best results are secured by starting the seed indoors in February. On rich soil the plants are a blaze of color all summer.

- 2671 **America, or Globe of Fire**. Semi-dwarf rounded bushes, very uniform in shape and size; flowers brilliant scarlet. Extra fine. Pkt., 20c; ¼ oz., \$1.00.
- 2672 **Bonfire, or Clara Bedman**. Erect, bright scarlet spikes. A favorite for large beds. Pkt., 15c; ¼ oz., 75c.
- 2673 **splendens**. The well-known type. Pkt., 10c; ¼ oz., 50c.
- 2674 **Zurich**. Early; free-blooming; dwarf and compact in growth. Height, 1½ ft. Pkt., 15c; ¼ oz., \$1.00.



Salvia, Bonfire



Schizanthus

Salpiglossis

(Painted Tongue)

Tall, slender, branching plants with trumpet-shaped flowers of rich, velvety colors delicately veined with gold.

- 2651 **Crimson**.
- 2652 **Purple and Gold**.
- 2653 **Rose and Gold**.
- 2654 **Scarlet and Gold**.
- 2655 **White and Gold**.
- 2660 **Choice Mixed**.
Each, pkt., 10c; ¼ oz., 50c.
- 2659 **COLLECTION**: One pkt. of each of the above 5 colors, 40c.
- RICINUS, Castor Oil Bean**. AHH. Impressive plants, grown for their massive tropical foliage.
- 2631 **Giant Bourbon** (R. bourboniensis arboreus). The largest Ricinus (15 feet); dark green leaves. Pkt., 10c; oz., 25c.
- 2632 **Cambodia** (R. cambodgensis). Handsome foliage, bronzy green to black-purple. Height, 6 ft. Pkt., 10c; oz., 25c.
- 2633 **Blood-Bed** (R. sanguineus). Showy red stems, leaves, and fruit. Height, 10 ft. Pkt., 10c; oz., 25c.
- 2634 **zanzibarensis, Mixed**. Leaves of immense size and various colors. Height, 10 to 12 ft. Pkt., 10c; oz., 25c.
- RUDBECKIA** (Coneflower). Tall, showy flowers like single Chrysanthemums.
- 2641 **bicolor superba**. AH. Orange-yellow and black. Pkt., 10c.



Scabiosa—Mourning Bride

Scabiosa AH

A real old-fashioned flower that is, at the same time one of the most satisfactory to grow. Flowers are borne on long stems well above the foliage. Blooms all summer and is unexcelled for bedding or use as cut flowers. Height 2½ feet.

2701 **Black Purple.** Pkt., 10c.

2702 **Crimson.** Pkt., 10c.

2705 **Sulphur Yellow.** Pkt., 10c.

2695 **Shasta.** New pure white. Pkt., 15c.

2696 **Peach Blossom.** New pink. Pkt., 15c.

2697 **Loveliness.** Salmon-pink. Pkt., 15c.

2707 **Blue Cocade.** Lavender. Pkt., 15c.

2708 **Rosette.** Prize winning rose. Pkt., 25c.

2709 **COLLECTION:** One pkt. of each of above 8 colors, 90c.

2710 **Finest Mixed.** Pkt., 10c; ¼ oz., 30c.

2715 **Tom Thumb Mixed.** A dwarf compact form of Scabiosa growing about 15 inches tall. Pkt., 15c.

2761 **STATICE sinuata, Mixed.** (Sea Lavender). BH. Produces profusely all summer and fall, long sprays of lavender-blue, white, and rose flowers which may be dried for winter bouquets. Height, 1½ feet. Pkt., 10c.

2762 **Suworowi.** AH. Very pretty annual from Russia. Bears short spikes of rose-pink flowers all summer. Pkt., 15c.

Stocks - Gilliflower AHH

Free-blooming plants; splendid for pot culture, and excellent outdoors if given rich moist soil. The flowers are very fragrant and highly prized for cutting. Start the seed indoors or in a hotbed in March. Plants from late sowings, potted up in the fall, will flower all winter.

2811 **Sutton's Christmas Pink.** The best pink Stock for forcing. In original packets. Pkt., \$1.00.

DWARF TEN-WEEKS. Height, 1 ft.

2781 **Blood-Red.** 2784 **Light Blue.**

2782 **Bright Rose.** 2785 **Purple.**

2783 **Canary-Yellow.** 2786 **White.**

2790 **Fine Mixed.** All colors.

Each, pkt., 15c; ¼ oz., 65c.

2789 **COLLECTION:** One pkt. of each of the above 6 colors, 75c.

CUT-AND-COME-AGAIN. Height, 1½ ft.

2791 **Blood-Red.** 2794 **Blush-Lilac.**

2792 **Creamy Yellow.** 2795 **Rose.**

2793 **Dark Blue.** 2796 **White.**

2800 **Choice Mixed.** All colors.

Each, pkt., 15c; ¼ oz., 75c.

2799 **COLLECTION:** One pkt. of each of the above 6 colors, 75c.

BISMARCK or GIANT IMPERIAL. The favorite for forcing. Height, 2 ft.

2801 **Canary-Yellow.** 2804 **Flesh-Pink.**

2802 **Crimson.** 2805 **Lilac.**

2803 **Deep Blue.** 2806 **Pure White.**

2810 **Choice Mixed.**

Each, pkt., 15c; ¼ oz., 75c.

2809 **COLLECTION:** One pkt. of each of the above 6 colors, 75c.



Cut-and-Come-Again Stocks

2750 **SOLANUM, Clevelandi.** (Christmas Cherry). Pkt., 15c.

2751 **Capsicastrum** (Christmas Pepper). Pkt., 25c.

2770 **STEVIA serrata.** AH. Very free blooming, bearing great quantities of pure white flowers; excellent for cutting. Pkt., 10c.



Sweet Peas AH

It is not difficult to grow fine Sweet Peas, even in our trying climate. The secret of success lies in getting an early start and, by thorough soil preparation, insuring a strong deep root-growth to keep the plants well supplied with water. If you want to grow the largest and finest blossoms, start as early in the spring as the soil can be worked—early in March, if possible.

Choose an open location and dig a trench $1\frac{1}{2}$ feet deep and a foot wide. Mix with the soil a liberal quantity of fertilizer (sheep manure with a little bonemeal is an excellent combination). Refill the trench with this mixture to within 6 inches of the top. Scatter the seed about an inch apart on this layer and cover them with 2 inches of soil. When the plants are 4 to 6 inches tall, gradually fill in around them until the top of the trench is reached. By this method the roots are assured a plentiful supply of food in the driest spells.

The vines may be supported with brush, strings, wire or any handy form of trellis that will allow free circulation of air. Of course, good Sweet Peas can be grown without trenching, but extra attention is always well repaid with larger flowers, more of them, and a longer blooming season. Keep the flowers picked and the vines will bear longer.

We offer the best of the Spencer or Orchid-flowered Sweet Peas, these being far superior to the older Grandiflora type.

Summer-flowering Spencer Sweet Peas

We offer, this year, a completely revised list of this ever-popular flower. All the newer really worth-while varieties are included and a few of the old standbys that have defied improvement. Flowers are of huge size, gracefully waved, and are generally borne four to a stem.

- 2852 Austin Frederick. Pure lavender.
- 2853 Avalanche. Extra large white.
- 2854 Barbara. Clear salmon-pink.
- 2855 Bonfire. Pink on cream ground.
- 2856 Campfire. Brilliant scarlet-erise.
- 2857 Commander Godsall. Violet-blue.
- 2858 Constance Hinton. Black-seeded white.
- 2861 Crimson King. Rich ox-blood crimson.
- 2862 Daisybud. Delicate rose-pink.
- 2864 Doreen. Rosy carmine.
- 2865 Gleneagles. Light clear blue.
- 2866 Goldcrest. Beautiful salmon-orange.
- 2867 Hawlmart Cerise. Salmon-erise.
- 2871 Mary Pickford. Salmon-pink on cream.
- 2872 Matchless. Deep cream.
- 2868 Pinkie. The best clear pink.
- 2873 Royal Purple. Rich rosy purple.
- 2874 Royal Scot. Bright scarlet.
- 2875 Sultan. Deep maroon.
- 2863 Wedgewood. Azure-blue.

Each, pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.

2879 COLLECTION: One pkt. of each of the above 20 splendid varieties, \$1.75.

2880 Choice Spencer Mixture. An endless variety of lovely colors. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Early or Winter-flowering Spencer Sweet Peas

A recently developed class which is especially adapted for forcing in the greenhouse during winter and early spring. May also be sown outdoors in spring, and will bloom two to three weeks earlier than the standard summer sorts. The flowers are of true Spencer size and form.

- 2900 Amethyst. Deep royal purple.
 - 2901 Annie Laurie. Rose-pink.
 - 2902 Aviator. Crimson-scarlet.
 - 2903 Blue Bonnet. Deep blue.
 - 2904 Mrs. Calvin Coolidge. Rich salmon-pink.
 - 2905 Glitters. Glistening erise.
 - 2906 Lady Gay. Shrimp-pink.
 - 2907 Majestic Rose. Rose-pink.
 - 2908 Sweet Lavender. Pure lavender.
 - 2911 Valencia. Sunproof orange.
 - 2912 White Harmony. Best white.
- Each, pkt., 15c; oz., 75c.

2920 Choice Mixed Early-Flowering Spencers. A blend of the early flowering varieties. Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

2890 CUPID MIXED. Bushy plants 8 to 12 inches tall. Fine for rock gardens. All colors. Pkt., 15c.

Verbena

New Giant Hybrids. AHH. An old-time favorite which has but lately been taken up by the hybridizers with truly marvelous results. Plants are compact, bushy and bear extra large trusses, the individual florets of which measure an inch in diameter. With this new strain we look for an immediate re-popularity of this fine flower.

3061 Etna. Geranium red with yellow eye.

3062 Lucifer. Bright glowing scarlet.

3063 Luminosa. Flame pink shading to salmon.

3064 Rose Cardinal. Cardinal-rose with white eye.

3065 Violaeca. Deep violet-purple, white eye.

3066 White. Large pure white.

Each, pkt., 15c; $\frac{1}{4}$ oz., \$1.00.

3069 COLLECTION: One pkt. of each of the above 6 colors, 75c.

3070 Mixed. A superb array of color. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

3052 Beauty of Oxford Hybrids. The largest flowered Verbena. Flower trusses are held erect and individual florets are very large. Pkt., 25c.

3053 Lavender Glory. Extra large lavender. Pkt., 25c.

3072 Lemon Verbena (*Lippia citriodora*). PT. Not a true Verbena. Grown for its fragrant lemon-scented leaves. Pkt., 20c.

3068 Dwarf Fireball. New dwarf scarlet. Pkt., 25c.



Tithonia

VERBENA—Continued.

3071 erinoides (Moss Verbena). AH. Thick, mossy foliage and clusters of little lavender flowers. Pkt., 10c.

3045 URSINIA anethoides. Flowers are daisy-like with orange colored petals and central bands of ruby-red. Pkt., 25c.

3025 TITHONIA speciosa. AH. Large Dahlia-like plants up to 6 feet tall. Flowers are flame orange, shaped like a single Dahlia and borne on long stems. An excellent cut flower. Pkt., 25c.

3014 SWEET WIVELSFIELD. AH. A new race of hardy annual flowers, being the result of a cross between Pinks and Sweet William. Flowers are borne in heads like Sweet William, but the individual flowers are much larger. Blooms all summer. Pkt., 25c.

3015 TAGETES signata pumila, Little Giant. AH. Very pretty miniature Marigolds. Plants are dwarf, bushy and very free flowering. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

3020 THUNBERGIA (Black-eyed Susan). AHH. Rapid-growing, slender climbers with dainty, black-eyed cream, yellow, and buff flowers. Excellent for porch-boxes. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

3030 TORENIA Fournieri. AT. Compact plants, covered with blue flowers. Splendid for baskets. Height 8 in. Pkt., 20c.

3075 VENIDIUM fastuosum. AH. The largest African Daisy. Plants 2 to 3 feet tall bear numerous large daisy-shaped flowers, 4 to 5 inches across, orange with brown central discs. Pkt., 25c.

3095 VIRGINIAN STOCK (*Malcolmia maritima*). AH. Dwarf plants blooming all summer; shades of white, pink and rose. Pkt., 10c.

3333 WILD CUCUMBER (*Echinocystis lobata*). AHH. Very rapid climbing vine for quick covering of trellises, banks, walls, etc. Pkt., 10c; oz., 35c.

VINCA rosea (Periwinkle). PT. Handsome bedding plants, blooming the first summer from seed started indoors in February or March.

3091 Pure White. **3093 Rose with Red**

3092 White with Rose Eye.

3094 Mixed.

Each, pkt., 10c; $\frac{1}{4}$ oz., 50c.



Verbena, Giant Hybrids

FLOWERS FOR VARIOUS PURPOSES

To assist you in making a selection of flowers for special localities and purposes, we have listed below the best varieties for each particular purpose.

Dwarf or Edging

Ageratum
Alyssum
Calendula
Candytuft
Eschscholtzia

Lobelia
Myosotis
Pansy
Phlox
Portulaca

Climbing Plants

Adlumia
Balloon Vine
Canary Bird Vine
Cardinal Climber
Cobaea Scandens

Cypress Vine
Humulus
Momordica
Moonflower
Morning Glory

Partial Shade

Aquilegia
Bellis
Clarkia
Gilia
Godetia

Linaria
Mimulus
Myosotis
Nemophila
Pansy

Strawflowers

Celosia
Echinops
Gilia
Gomphrena
Grasses

Gypsophila
Helichrysum
Lunaria
Physalis
Statice

Fragrant Flowers

Alyssum
Candytuft
Centaurea Im-
perialis
Heliotrope
Mignonette

Matthiola
Mimulus
Nicotiana
Stocks
Sweet Peas

Poor Soil

Alyssum
Amaranthus
Balsam
Calliopsis
Centaurea cyanus

Godetia
Mimosa
Phlox
Poppy
Portulaca

Foliage Plants

Amaranthus
Centaurea
Coleus
Eryngium
Euphorbia
Grasses

Kochia
Mesembryan-
themum
Mimosa
Ricinus

Porch Boxes

Ageratum
Alyssum
Antirrhinum
Calendula
Dimorphotheca

Nasturtium,
Dwarf
Petunia
Portulaca
Thunbergia
Verbena

Massed Beds

Asters
Candytuft
Centaurea
Four O'clock
Marigold

Nasturtium
Petunia
Phlox
Salvia
Zinnia

Rock Garden Annuals

Alyssum
Dianthus
Eschscholtzia
Gypsophila
Lobelia

Mesembryan-
themum
Nemophila
Phlox
Portulaca
Sanvitalia

Rock Garden Perennials

Abronia
Adlumia
Adonis
Alyssum
Anemone
Aquilegia
Arabis
Bellis
Campanula
Candytuft

Cerastium
Cheiranthus
Geum
Linaria
Myosotis
Poppy
Primula
Silene
Wallflower
Viola

Flowers for Cutting by Colors

WHITE

Antirrhinum
Aster
Candytuft
Centaurea
Chrysanthemum
Cosmos
Larkspur
Lupinus
Scabiosa
Zinnia

PINK

Aster
Celosia
Centaurea
Cosmos
Dianthus
Larkspur
Phlox
Scabiosa
Sweet Peas
Zinnia

RED

Antirrhinum
Aster
Calliopsis
Celosia
Cosmos
Gaillardia
Poppy
Salpiglossis
Scabiosa
Zinnia

YELLOW

Antirrhinum
Calliopsis
Calendula
Chrysanthemum
Helianthus
Hunnemannia
Marigold
Nasturtium
Salpiglossis
Zinnia

BLUE

Ageratum
Aster
Blue Lace
Centaurea
Gilia
Larkspur
Lupinus
Nigella
Scabiosa
Sweet Peas

All flowers are listed alphabetically in the Flower Seed Section, or may be more readily found by referring to the index on page 75.

The World's Best Zinnias

We believe that we offer on this page the finest assortment of Zinnias to be had anywhere. If you have only been growing one type of Zinnias there is a treat in store for you. From the charming little Mexicana variety, charming in rock gardens, to the Giants of California, each has a place of its own in the garden and all make the finest of cut flowers.

Cultural Note: While Zinnias are quite hardy and very easy to grow, it must be remembered that they are natives of Mexico and like hot weather and full sunshine. Do not plant too early; when the young plants are subjected to frosts or a period of cold weather, they receive a check which often causes mis-shapen flowers and also extreme variations in color.

New Mammoth Dahlia Flowered

This wonderful new class is named from the resemblance of the flowers to the big double decorative Dahlias. Flowers often measure 6 inches in diameter and 3 inches in depth. Plants broad and robust. Height 3 feet.

- 3100 **Canary Bird.** Canary-yellow.
- 3101 **Dream.** Deep lavender, shading to purple. Unique.
- 3102 **Exquisite.** Light rose, blending to deep rose in the center.
- 3103 **Golden State.** Rich yellow, changing to orange.
- 3104 **Old Rose.** As the name implies.
- 3105 **Polar Bear.** Best pure white yet seen in Zinnias.
- 3106 **Scarlet Flame.** Bright scarlet and orange.
- 3107 **Oriole.** Immense gold and orange bicolor. Magnificent.
- 3108 **Crimson Monarch.** Enormous crimson-scarlet; largest of all Zinnias.
- Each pkt., 15c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.
- 3109 **COLLECTION:** One pkt. of each of the above 9 varieties, \$1.10.
- 3110 **Choicest Mixed.** All colors. Pkt., 15c; $\frac{1}{4}$ oz., 60c, oz., \$2.00.

California Giant Double Zinnias

Same vigorous growth as the Dahlia-Flowered Zinnias, but flowers are more flat and spreading and consequently larger in some cases. Fine long stems for cutting.

- 3161 **Cerise Queen.** Cerise-rose.
- 3162 **Lemon Queen.** Lemon-orange.
- 3163 **Miss Willmott.** Beautiful soft pink.
- 3164 **Scarlet Gem.** Glowing scarlet.
- 3165 **Orange King.** Golden yellow.
- 3166 **Furity.** Pure white.
- Each, pkt., 15c; $\frac{1}{4}$ oz., 75c.
- 3169 **COLLECTION:** One pkt. of each of the above 6 varieties, 75c.
- 3170 **Supreme Mixed.** Pkt., 15c; $\frac{1}{4}$ oz., 50c.



Zinnias

Dwarf Double Cut-and-Come-Again Zinnias

Bushy plants 15 to 18 inches high, covered with rounded flowers about 2 inches across. Unexcelled for bedding and fine for table decorations.

3141 Bright Scarlet.

3142 Canary-Yellow.

3143 Golden Yellow.

3144 Salmon-Rose.

3145 White.

3146 Violet.

3150 Choice Mixed.

Each, pkt., 10c; ¼ oz., 35c.

3149 **COLLECTION:** One pkt. of each of the above 6 varieties, 50c.

Elegans Double Lilliput Zinnia

A very fascinating form of this popular flower. Plants are dwarf and bushy and covered with small, perfect full double flowers.

3171 Crimson Gem.

3173 Golden Orange.

3172 Flesh.

3174 Salmon-Rose.

3175 White.

3180 Mixed.

Each, pkt., 15c; ¼ oz., 50c.

3179 **COLLECTION:** One pkt. of each of the above 5 colors, 60c.



Fantasy Zinnias

Miscellaneous Types

3178 **Zinnia Linearis.** A new and unusual Zinnia that more than makes up in charm what it lacks in size. Dwarf bushy plants 8 to 10 inches tall literally covered with single, medium sized flowers. Blooms are golden orange with a stripe of lemon-yellow in the center of each petal. Blooms six weeks after seed is sown. Pkt., 25c.

3151 **Curled and Crested.** Large, double flowers, with curiously twisted and curled petals. Height 2 ft. Pkt., 10c; ¼ oz., 50c.

3190 **FANTASY MIXTURE.** A distinct departure from the formal type of Zinnia. Flowers are medium sized, double, with half-curled, raylike petals. The one criticism of Zinnias has been that they were too stiff; this charming new variety has a distinctly airy appearance and makes excellent cut flowers. A full range of color is represented. Pkt., 15c.

Zinnia Fantasy, Star Dust

3191 **Award of Merit, 1937 All-America Selections.** The first separate color selection from the ever-popular Fantasy type. Plant 2½ to 3 feet tall, literally covered with rich, golden yellow blooms. Blooms in about 7 weeks from sowing. Pkt., 25c.

3153 **Red Riding Hood.** Plants 1½ feet tall, covered with small, double, scarlet flowers. Pkt., 15c; ¼ oz., 35c.

3155 **Picotee Mixed.** A distinct type same size and shape as the giant Zinnias, but each petal is tipped with a contrasting color. Pkt., 15c; ¼ oz., 75c.

3154 **SCABIOSAFLORA, Crested Zinnia.** Flowers look like someone had cut the center out of a big double Zinnia and inserted a bloom of Scabiosa; a most pleasing arrangement, centers are generally a contrasting shade. Plants are strong and vigorous, growing about 3½ feet tall. Pkt., 25c; ¼ oz., 75c.



Mexicana Haageana Zinnia

3176 **Lilliput Tom Thumb Mixed.** The smallest Zinnia of them all completes our list. Plants 6 to 8 inches tall, bearing small, full double flowers in the usual range of Zinnia colors. Pkt., 15c; 2 pkts., 25c.

Zinnia, Improved Mexicana Haageana

3152. In the mad rush for the large and giant-flowered strains of many of our flowers, the smaller varieties have been neglected. This charming little Zinnia has always held a very high place in our esteem. It is easily grown in almost any location, is practically free from insects and blooms continuously until killed by frost. Best results are obtained by planting seeds where they are to bloom and thinning out to 6 or 8 inches apart. Sturdy plants, 9 to 10 inches high, with stems long enough for cutting. It is excellent for either the rock garden or low beds or borders. Pkt., 15c; 2 pkts., 25c.

HARDY FLOWER SEEDS

For the convenience of those of our customers who are Hardy Garden enthusiasts, we have grouped the Hardy Perennial and Biennial flower seeds on this and the ten following pages. Hardy Flower Seeds may be sown out-of-doors in the open ground, in this locality, any time from about May 1st until August 15th, and transplanted to their permanent location in the late summer or fall. After August 15th it is advisable to sow in cold frames, and winter the plants in the frames, transplanting to their permanent position in the spring. During the extremely hot days of July and August the seedlings (whether transplanted or not) should be shaded from the direct rays of the sun. Light frames covered with cheesecloth or lath spaced one-half inch apart may be used for shade or even branches with a few leaves on.

500 ABRONIA umbellata (Sand Verbena). PH. Pretty trailing plants bearing fragrant, rosy lilac, verbena-like flower heads. Use for rock gardens. Pkt., 10c.

530 ACHILLEA ptarmica f. pl., **The Pearl**. (Sneezewort). PH. The finest white hardy perennial for cutting. Bears long-stemmed sprays of beautiful double white flowers from spring until fall. Height 3 feet. Pkt., 25c.

541 ACONITUM Fischeri. (Monkshood). PH. Grows about 18 inches high and flowers are a brighter blue than *A. napellus*. Blooms in September. Pkt., 25c.

540 ACONITUM napellus (Monkshood). PH. Grows best in moist, shady places. Bears spikes of deep blue helmet-shaped flowers in June and July. Height, 3 feet. Pkt., 15c.

550 ADLUMIA cirrhosa (Allegheny Vine). BH. Climber with fernlike foliage; white or flesh colored flowers. Pkt., 15c.

562 ADONIS vernalis (Flower-of-the-Gods). PH. Blooms in early spring. The whole plant resembles a very dwarf cosmos. Yellow. Pkt., 10c.

616 ALYSSUM saxatile compactum (Gold Dust). PH. Bears bright yellow flowers early in the spring. Pkt., 10c; ¼ oz., 50c.

590 AGROSTEMMA coronaria (Mullein Pink). PH. Plants 1½ feet high with silvery foliage; deep red flowers. Pkt., 10c; ¼ oz., 30c.

640 AMPELOPSIS Veitchi (Boston Ivy). PH. Hardy climber for covering walls pergolas, etc. Leaves turn to brilliant autumnal colors. Pkt., 10c; ¼ oz., 25c.

651 ANCHUSA capensis (Cape Forget-me-not). BH. Plants bushy, 2 feet tall, and bear a profusion of light blue forget-me-not-like flowers. Pkt., 10c; ¼ oz., 30c.

652 ANCHUSA italica, **Dropmore** (Alkanet). PH. One of the finest deep blue hardy perennials. Blooms are like those of *A. capensis* but deeper blue. Height 4 to 5 feet. Pkt., 15c; ¼ oz., 50c.



Agrostemma Coronaria

653 ANCHUSA myosotidiflora. PH. We think this is the most charming of the Anchusas. Plants are compact and grow about 18 inches tall. Flowers are borne on short spikes above the foliage and are readily mistaken for the blooms of the true Forget-me-not. Seed very scarce. Pkt., 50c.

ANEMONE (Windflower). PHH. Bushy plants 6 to 10 inches high, producing early in the spring, poppy-like flowers in shades of blue, red and white.

661 coronaria, **Single Mixed**. Pkt., 10c.

662 coronaria, **St. Brigid**. All colors; double and semi-double. Pkt., 25c.

663 japonica rosea. A charming Japanese variety with light pink to rose flowers. Pkt., 25c.

670 ANTHEMIS tinctoria Kelwayi (Golden Marguerite). PH. Bears large, yellow, daisy-like flowers on long stems, from mid-summer until frost. 2 feet. Pkt., 10c; ¼ oz., 75c.

750 ARABIS alpina (Rock Cross). PH. Dwarf edging plants with clusters of snow-white flowers in early Spring. Pkt., 10; ¼ oz., 30c.

751 alpina rosea. PH. rose-pink flowers. Pkt., 25c.

770 ARGEMONE grandiflora hybrida (Frickly Poppy). PHH. Tall, showy, prickly foliage and large white, cream and yellow poppy-like flowers. Pkt., 10c.

775 ARMERIA Lauchiana (Sea Pink). PH. Dwarf plants suitable for rock gardens. Evergreen tufts of bright green leaves from which flowers are borne on 8 to 10 inch stems. Pkt., 25c.

938 ASTER, MIXED (Michaelmas Daisy). PH. Tall, bushy plants covered with small, single, blue, mauve, pink, and white flowers in late Fall. Pkt., 15c.

945 AUBRIETIA græca (Rock Cross). PH. Dwarf; silvery green foliage covered with flowers of various colors. Pkt., 25c.



Arabis Alpina—Rock Cross

HARDY FLOWER SEEDS—Continued

Aquilegia - Columbine PH

Plants have dwarf foliage similar to a maidenhair fern. Flowers are graceful, and are borne on long stems well above the foliage, in spring and early summer. Use in partially shaded places and rock gardens. Easily grown from seed. Height 1½ feet.

742 canadensis. Red and yellow. Pkt., 15c.

743 chrysantha. Golden yellow. Pkt., 15c.

741 caerulea. Blue and white. Pkt., 15c.

746 Single Mixed. All colors. Pkt., 10c; ¼ oz., 40c.

747 Double Mixed. All colors. Pkt., 10c; ¼ oz., 50c.

MRS. SCOTT ELLIOTT'S LONG SPURRED
HYBRIDS

This superb strain represents the utmost in Columbines. Plants are strong and vigorous growing; flower stems often reaching 3 feet. The individual blooms are immense, 3 to 4 inches across and with long, graceful spurs.

By careful selection the most beautiful blending of colors has been brought out, and we are pleased to offer them in four distinct shades as well as the mixture.

745 Long Spurred Pink. All the best shades of pink. Pkt., 35c.

748 Long Spurred Blue. Superb and delicate. Pkt., 35c.

740 Long Spurred Silver Queen. Long spurred white. Pkt., 50c.

738 Long Spurred Lemon Queen. Pure lemon-yellow. Pkt., 50c.

744 Long Spurred Hybrids. A well balanced mixture of delightful shades. Pkt., 25c; ¼ oz., 75c.

Giant Carnation PHH

Garden form of the well known florist's flower. Seed started indoors in March produces plants that will bloom early the first summer and continue until frost. Plants protected over winter will bloom the following year. Brightly colored and very fragrant. The following half-dwarf sorts grow about 1 foot high.

1181 Crimson.

1183 White.

1182 Rose.

1184 Yellow.

1190 Half-Dwarf, Choicest Mixed.

Each, pkt. 15c; ¼ oz., 50c.

1189 COLLECTION: One pkt. of each of the above 4 colors. 50c.

1192 Chabaud's Everblooming, Mixed. A new extremely free-flowering strain. Flowers are full double and in a fine array of colors. Pkt., 25c.

1193 Engelmann's Gold Medal. A superb perpetual blooming strain, bearing flowers almost as large as those grown in greenhouses. A wide range of color is included in this mixture. Pkt., 50c.

Aquilegia—
Columbine

Bellis perennis PHH

One of the finest dwarf, early spring-blooming, bedding plants, which will continue to bloom all summer if given plenty of water and partial shade. Flowers are full double and daisy-like. Height 6 inches.

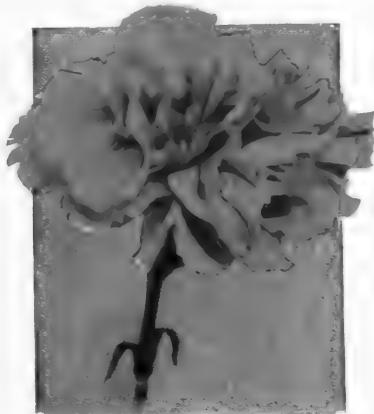
1001 monstrosa, Pink. Double; deep pink. Pkt., 25c; ¼ oz., 75c.

1002 monstrosa, White. Double; pure white. Pkt., 25c; ¼ oz., 75c.

1003 monstrosa, Red. Double; blood-red. Pkt., 25c; ¼ oz., 75c.

1004 monstrosa, Mixed. Pkt., 25c; ¼ oz., 75c.

1007 tubulosa, Etna. Quilled flowers, deep red. Pkt., 25c.



Giant Carnation

HARDY FLOWER SEEDS—Continued

Campanula

One of the most charming groups of biennial and perennial flowers. We list the six most generally grown species.

The first two are biennials and should be started in the spring or early summer in order to produce large-size plants for blooming the following year. Plant permanently on high well-drained ground so that water does not lie on and rot crowns of the plants during the winter. The last three are perennials and perfectly hardy. They may be started any time from early Spring until September.

CANTERBURY BELLS (*C. medium*). BH. The best known variety. Tall, stately plants, with large bell-shaped flowers.

1071 Single Light Blue. 1073 Single White.

1072 Single Pink. 1074 Single Mixed.
Each, pkt., 10c; ¼ oz., 30c.

1075 Double Mixed. Pkt., 15c; ¼ oz., 65c.

CUP-AND-SAUCER CANTERBURY BELLS (*C. medium calycanthema*). BH. The popular name well describes the shape of the flowers; otherwise like the preceding.

1081 Blue. 1083 White.

1082 Pink. 1084 Mixed.
Each, pkt., 15c; ¼ oz., 50c.

HAREBELL (*C. carpatica*). PH. Beautiful little border plants, 9 to 12 inches high, covered with dainty bells. Charming in mixed Perennial Borders and Rock gardens where a natural effect is desired.

1091 Blue. 1092 White.
Each, pkt., 15c; ½ oz., 50c.

PEACH BELLS (*C. persicifolia*). PH. Very attractive plants 2 to 3 feet high; flowers large and cup-shaped.

1101 Blue. 1102 White.
Each, pkt., 15c; ½ oz., 75c.

CHIMNEY BELLFLOWER (*C. pyramidalis*). PH. Very impressive plants 5 to 6 feet tall, with large flowers.

1111 Blue. 1112 White.
Each, pkt., 15c; ¼ oz., 75c.



Campanula Medium—Canterbury Bells

CANDYTUFT. PH. Bloom in spring and early summer.

1151 *gibraltarica*. Lilac-pink. Height 1 foot. Pkt., 10c; ¼ oz., 75c.

1152 *sempervirens*. Snowy white; early. Height 6 inches. Pkt., 15c; ½ oz., 75c.

1262 **CENTAUREA montana** (Mountain Bluet). PH. A hardy Cornflower with large, deep blue flowers. Pkt., 10c.

1280 **CERASTIUM tomentosum**. (Snow-in-Summer). PH. Pretty, very dwarf perennials for edging or borders. Has silvery white foliage and bears a great profusion of tiny pure white flowers in June and July. Pkt., 15c.

1281 **CHEIRANTHUS Allioni**. PH. Very Dwarf plants bearing sweet scented yellow flowers in May and June. Fine for rock gardens. Pkt., 15c; ¼ oz., 35c.

1306 **CHRYSANTHEMUM, Shasta Daisy, Ball's Alaska**. PH. Flowers resemble the common wild Daisy, but are much larger, often 5 inches across, if given thorough culture. Plants grow 2½ feet high. Seeds started indoors in March will bloom the first year. Pkt., 25c.

1307 **DOUBLE SHASTA DAISY**. PH. Beautiful double form of the above. Resemble small chrysanthemums. Pkt., 50c.

Coreopsis

1390 *lanceolata grandiflora*. PH. Splendid for cutting; bright golden yellow, cosmos-like flowers; blooms all summer. Height 2 feet. Pkt., 10c; ¼ oz., 30c.

1395 *lanceolata, Semi-Double*. A grand new strain of *Coreopsis* producing semi-double flowers. Fully as strong and vigorous growing as the old type. Pkt., 15c; ¼ oz., 50c.

1396 **Mayfield Giant**. A giant-flowered strain. Pure golden yellow. Pkt., 25c.



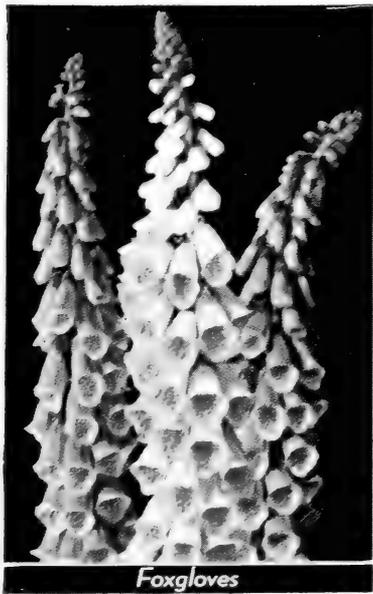
Coreopsis

Campanula Rotundifolia

(Bluebells of Scotland)

1113 A very charming variety for the Rock Garden. Plants grow only a foot tall and are covered all summer long with dainty pure blue, bell-like flowers. Pkt., 50c.

HARDY FLOWER SEEDS Continued



Foxgloves

Digitalis - Foxglove BH

Stately plants, producing long spikes of nodding, bell-shaped blossoms in June. They thrive in partial shade as well as full sun.

1568 Shirley Hybrids. A new giant race of Foxgloves. Plants under thorough cultivation attain a height of 7 feet, with flower spikes 3 feet long. Flowers are large, closely spaced and very richly colored. Pkt., 25c; $\frac{1}{4}$ oz., 75c.

1561 Gloxinia, Pink.

1562 Gloxinia, Purple.

1563 Gloxinia, White.

1564 Gloxinia, Mixed.

Each, pkt., 10c; $\frac{1}{4}$ oz., 40c.

1565 Yellow Foxglove (*D. grandiflora*). PH. Height 2 feet. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

1566 Iver's Spotted. BH. Various colors, attractively spotted. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

1567 Double Giant Foxglove (*D. monstroza*). BH. Large spikes with the top flowers united in one mammoth double bell. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

GLADIOLUS

Gladiolus are excellent for filling in perennial borders. See page 59.

Delphinium - Hardy Larkspur

Handsome, stately, old-fashioned flowers. The finest blue hardy perennial and indispensable for the well-arranged hardy border. If started very early indoors, they will bloom the first summer.

1516 WREXHAM HOLLYHOCK DELPHINIUM. Our strain of these superb hybrids comes from a private source where each plant is given individual attention and seed is hand picked, as fast as it ripens. The individual flowers are immense in size, often 2 inches across and spikes 3 feet long are not uncommon. Colors range from light blue through varying combinations of blue, pink and mauve to dark indigo, occasionally pure white. In packets only. Pkt., 75c; 3 pkts., \$2.00.

1514 Iceberg. Heavy spikes of pure white flowers 3 to 4 feet high. Pkt., 50c.

1510 Belladonna, Cliveden Beauty. An improved strain of Belladonna. Pkt., 25c; $\frac{1}{4}$ oz., 75c.



Centaurea Montana (See opposite page)

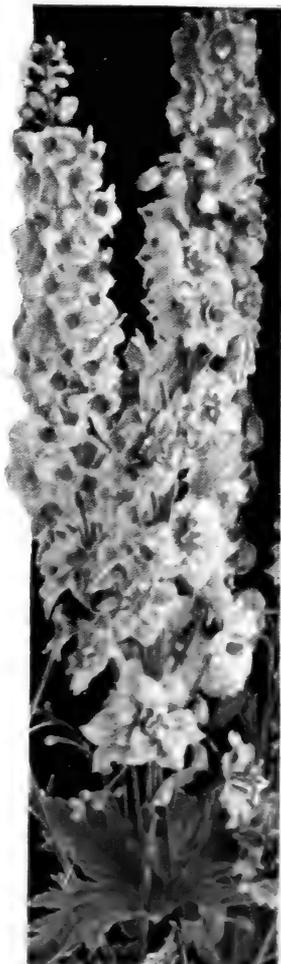
1512 Bellamosum. Dark blue with white eye. Height 5 feet. Pkt., 25c; $\frac{1}{4}$ oz., 75c.

1513 Gold Medal Hybrids. The finest English strain. Tall spikes of large flowers in all shades of blue. Pkt., 50c; $\frac{1}{8}$ oz., \$1.25.

CEINENSE. Quite distinct from the above. Plants are 1½ feet high and resemble huge Lobelias. Bloom continuously from July until September.

1521 Blue. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

1522 White. Pkt., 10c; $\frac{1}{4}$ oz., 50c.



Delphinium, Hollyhock

HARDY FLOWER SEEDS—Continued



Hardy Garden Pinks

Hardy Garden Pinks

PH

(Dianthus Plumarius)

- 1551 Single, Mixed.** Fringed petals; white or light pink with dark eye; clove-scented. Pkt., 10c; $\frac{1}{4}$ oz., 40c.
- 1552 Double Mixed.** Pkt., 15c; $\frac{1}{4}$ oz., 75c.
- 1554 Allwoodi** (Perpetual Blooming Pink). Blooms continuously from spring until frost. Wide range of colors and very sweet scented. Pkt., 25c; 3 pkts., 65c.
- 1553 Alpinus Allwoodi.** For rock gardens. Pkt., 25c.
- 1555 Deltoides** (Maiden Pink). Dwarf, creeping variety good for rock garden work. Bright rose flowers in June and July. Pkt., 25c; $\frac{1}{4}$ oz., \$1.00.
- 1556 Rock Hybrids.** A special selection of dwarf varieties ideal for rock garden work. Pkt., 25c; $\frac{1}{4}$ oz., \$1.00.
- 1600 ECHINOPS ritro** (Globe Thistle). PH. Big plants, 4 to 6 feet tall, for background planting; large steel-blue, globe-shaped, thistle-like flowers. Pkt., 10c.
- 1620 ERYNGIUM amethystinum** (Sea Holly). PH. Ornamental plants, 2 to 3 feet high, with beautiful metallic blue foliage; flowers blue, thistle-like. Pkt., 25c.

Gaillardia - Blanket Flower

Fine for borders and large beds. Bloom the first season, if started in February.

- 1732 Burgundy.** Very large and brilliant. Pkt., 15c.
- 1733 Hybrida Mixed.** Gorgeous colors. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- 1735 Portola Hybrids.** The finest Gaillardia. Flowers are large, full and brilliantly colored. Pkt., 25c.

- GEUM.** PH. Border perennials 2 feet high; large brilliant flowers on long stems.
- 1762 Mrs. Bradshaw.** Orange-scarlet; semi-double. Pkt., 15c.
- 1763 Lady Stratheden.** Bright golden yellow. Pkt., 20c.

Ornamental Grasses

Mostly tall-growing grasses with variously colored foliage and pretty flower or seed-heads. When cut and dried they are very nice for winter decorations.

- 1816 Erianthus ravennae** (Ravenna Grass). PH. Silvery plumes.
- 1817 Eulalia zebrina** (Zebra Grass). PH. Conspicuously striped leaves.
- 1818 Glycerium argenteum** (Pampas Grass). PH. Grows 8 feet high.

Each, pkt., 15c.

GYSOPHILA (Baby's Breath). Graceful plants with small flowers and misty foliage; nice for "background" in bouquets.

- 1844 paniculata.** PH. Pure white flowers borne in large, misty sprays. Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- 1845 paniculata, Double.** PH. Double form of above and better for cut flowers. Pkt., 25c.
- Repens.** (Creeping Baby's Breath). PH. A trailing or creeping variety of Gypsophila fine in rock gardens.

1846 Mixed. Pkt., 25c.

1870 HELIANTHUS, Choicest Mixed (Sunflower). PH. For showy background. Height 4 to 6 feet. Pkt., 20c.

HELENIUM (Sneezewort). PH. Tall, bushy plants covered with large, bright, daisy-like flowers in summer and fall.

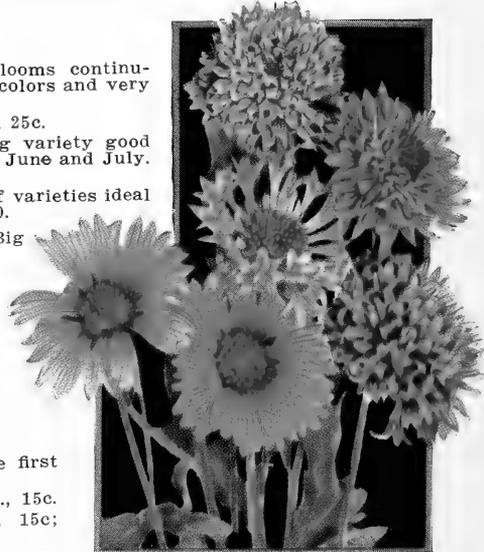
1847 autumnale superbum. Golden yellow. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

1848 Riverton Gem. Orange, black center. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

1850 HELIANthemum mutabile. PH. Dwarf, trailing, evergreen. Bears yellow flowers during June and July. Pkt., 20c.

1890 HESPERIS matronalis (Sweet Rocket). PH. Plants 2 feet high, resembling stocks. Flowers purple and white; old favorites, easy to grow. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1900 HEUCHERA sanguinea. PH. Rich bright red flowers with showy foliage. Pkt., 25c.



Gaillardia Hybrids

HARDY FLOWER SEEDS—Continued



Double Hollyhocks

IMPROVED DOUBLE HOLLYHOCKS

Chater's Superb Strains.

- 1911 Maroon. 1912 Newport Pink. 1913 Rose.
1914 Salmon. 1915 White. 1916 Yellow. 1920 Mixed.
Each, pkt., 10c; ¼ oz., 50c.

1919 **COLLECTION:** One pkt. of each of the above 6 colors, 50c.

1935 **Single Mixed.** A fine assortment of colors. Pkt., 10c; ¼ oz., 50c.

HIBISCUS (Marshmallow). PH. Spreading plants, 4 feet tall, with flowers often 6 inches across, like immense single hollyhocks. Does best in moist places.

1901 **Crimson Eye.** Large, white flowers, with crimson centers. Pkt., 10c; ¼ oz., 40c.

1902 **Golden Bowl.** Creamy yellow, maroon eye. Pkt., 10c; ¼ oz., 40c.

1904 **New Giant Hybrids.** A new giant sort with flowers from 6 to 8 inches in diameter. White, pink, carmine, crimson; some with distinct "eyes." Pkt., 15c; ¼ oz., 60c.

2045 **LIATRIS pycnostachya** (Kansas Gay Feather). PH. Imposing spikes of lavender-lilac blooms 3 to 4 feet high. Blooms in September when perennial flowers are at a premium. Pkt., 25c.

Annual Flower Seeds are listed on pages 22 to 47 inclusive.

1980 **KUDZU VINE** (*Pueraria Thunbergiana*). PH. An extremely vigorous climber. Large, dark green leaves and lavender, pea-shaped blossoms. Dies down to the ground each winter. Pkt., 10c; ¼ oz., 25c.

2010 **LATHYRUS latifolius**, Mixed (Perennial Sweet Pea). PH. Trailing or climbing; good on stone walls and low fences. Like Sweet Peas but without odor. Red, Pink and White. Pkt., 10c; ½ oz., 50c.

2030 **LAVERNER** (*Lavandula vera*). PH. The familiar sweet scented herb. Pkt., 10c.

2051 **LINARIA cymbalaria** (Kenilworth Ivy). PHH. Very graceful trailing plants, fine for porch boxes. Ivy-like leaves and dainty lavender, pink or white flowers. Pkt., 15c.

2053 **macedonia speciosa** (Perennial Snapdragon). PH. Readily mistaken for tall, yellow Snapdragons and perfectly hardy. Thrives in almost any location. Pkt., 25c.

2063 **LINUM perenne**, Blue (Blue Flax). PH. Clear sky-blue. Pkt., 10c; ¼ oz., 40c.

2064 **alpinum**. PH. Very dwarf plants covered with light blue flowers. Pkt., 25c.

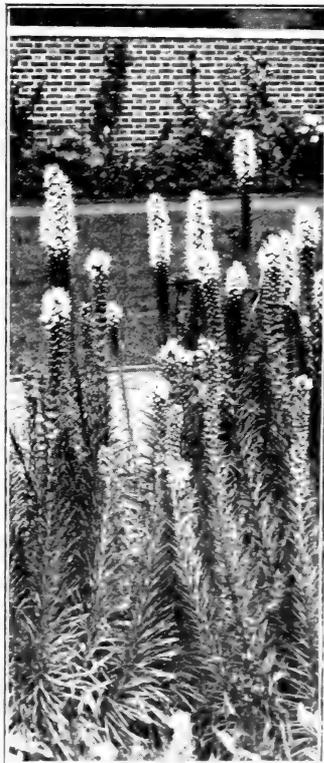
2062 **perenne**, White. PH. Plants 1½ feet high, with pure white flowers. Pkt., 10c; ¼ oz., 40c.

2077 **LOBELIA cardinalis** (Cardinal Flower). PH. Tall plants with flaming red flowers. Prefers moist spots. Pkt., 25c.

2080 **LUNARIA** (Honesty). BH. Its round, flat, silvery transparent seed pods make interesting decorations when combined with winter bouquets. Pkt., 15c.

Hollyhocks BH

For tall backgrounds, hedges and for filling in the odd corners, Hollyhocks surpass all hardy flowers. Seed sown in early summer will produce blooming plants the following season. Once established they often seed themselves from year to year.



Liatris Pycnostachya

HARDY FLOWER SEEDS—Continued



Lupinus

New Hybrid Lupinus PH

The only flowers we have that can compare in beauty and stateliness with the Hybrid Delphiniums. Plants are of very vigorous growth, with tall spikes of closely set pea-like flowers. All conceivable colors are included in the mixture. Our seed is imported direct from the originator.

2117 Hybrids. All colors. Pkt., 25c.

POLYPHYLLUS TYPE. PH. May and June. Height, 3 ft.

2101 Blue. 2102 White. 2110 Mixed. Each, pkt., 10c; ½ oz., 40c; oz., 75c.

2103 Bright Rose. Extra fine. Pkt., 15c; ¼ oz., 40c.

LYCHNIS. PH. Brilliant border perennials; easily grown in a variety of soils. Flowers are borne on long stems and are fine for cutting.

2131 *chalconica* (Maltese Cross). Heads of fiery scarlet flowers, shaped like a Maltese Cross. Height, 2½ ft. Pkt., 10c; ¼ oz., 25c.

2132 *haageana*. Dwarf plants with very large flowers; shades of red and pink. Height, 1 ft. Pkt., 15c.

2133 *viscaria splendens*. Bright rose-pink. Height 2 ft. Pkt., 10c.

2140 **LYTHERUM roseum superbum** (Loosestrife). PH. Long spikes of bright rose flowers, in late summer; prefers moist spots. Height 4 to 5 ft. Pkt., 10c.

2180 **MATRICARIA capensis, Double White** (Feverfew). PHH. Small, creamy white flowers; blooms the first season from seed and is usually treated as an annual. Pkt., 10c.

2181 **Golden Ball.** Golden yellow. Pkt., 15c.

Myosotis - Forget-me-not

Charming massed in beds or in wild gardens. They prefer moist, shady spots. All will bloom the first season if started early indoors.

2291 *alpestris, Royal Blue.* PH. Deep blue flowers. Height 9 inches.

2292 *alpestris alba.* Pure white.

2293 *alpestris rosea.* Rose-pink.

Each, pkt., 10c; ¼ oz., 50c.

2294 *dissitiflora.* BH. Flowers very large, rich blue. Pkt., 15c.

2295 *palustris semperflorens.* PH. Dwarf, compact, blooming all summer. The most popular type. Pkt., 15c; ½ oz., 75c.

2296 **Ruth Fischer.** PHH. Large; azure-blue. A favorite for growing in pots. Pkt., 25c.

2297 *Victoria.* PH. Fine free-blooming sort; flowers very quickly from spring sowings. Pkt., 15c; ½ oz., 65c.

2298 **Choice Mixed.** PH. Pkt., 10c; ¼ oz., 50c.

2345 **NEPETA Mussini.** PH. Forms dense tufts about a foot high and bears violet-blue flowers during July and August. Good for rockeries. Pkt., 25c.

PENTSTEMON (Beard Tongue). PH. Very showy plants, requiring a rich soil and sunny situation. Flowers in many shades, borne on long spikes. Height, 2 ft.

2441 **Sensation.** Gloxinia-like flowers in shades of red. Pkt., 15c.

2442 **Mixed.** Many colors. Pkt., 10c.

2505 **PHLOX decussata, Choclost Mixed.** PH. A superfine mixture of the newest varieties. Height 2 to 3 feet. Pkt., 25c.

2508 **PHYSALIS Francheti** (Chinese Lantern Plant). Chinese Lantern Plants are prized for the bright red husks that are formed in late Fall and which, if cut and dried, will retain their shape and color over Winter. They are perfectly hardy, and if started indoors in March or April, will bear husks the first year. Pkt., 15c; ¼ oz., 50c.



Lychnis Chalconica



Pansies—Universal Favorites

Pansies BHH

Cool weather and moist soil produce the largest and finest Pansies. The best time to sow is during July or August, in shaded frames, in which the plants, given some protection, may be carried over winter and set out early the following spring when they will commence to bloom at once and continue all Summer if watered plentifully. Next best is to sow indoors or in the hotbed in February or March.

Seed sown in May will give blooming plants in the fall. Space Pansy plants at least a foot apart and keep the faded flowers picked.

SPECIAL FINE STRAINS AND MIXTURES

- 2400 B. S. & B. Co.'s Finest Mixed.** Selected for size, form of bloom, and richness of color, as well as vigor and free-blooming qualities, this special blend of our own is absolutely without a peer. Pkt., 50c; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{2}$ oz., \$3.00; $\frac{3}{4}$ oz., \$5.00; 1 oz., \$10.00.
- 2403 Masterpiece.** A giant-flowered strain with distinctly waved and frilled petals. Pkt., 25c; $\frac{1}{2}$ oz., \$1.00.
- 2404 Mme. Ferret.** Wine shades. Pkt., 25c; $\frac{1}{2}$ oz., 75c.
- 2405 Choice Mixed.** An excellent mixture. Pkt., 25c; $\frac{1}{2}$ oz., 75c.
- 2420 Trimardeau Mixed.** Pkt., 10c; $\frac{1}{4}$ oz., \$1.00.

VIOLAS OR TUFTED PANSIES. PHH

These are improved strains of the old-fashioned "Johnny Jump-ups." The plants are bushy and free-blooming, with medium-sized flowers all summer.

- 2421 Blue Perfection.** Deep blue shades.
- 2422 lutea splendens.** Rich golden yellow.
- 2423 Butterfly (V. papilio).** Lavender.
- 2424 White Perfection.** Fine pure white.
- 2428 Mauve.** Lavender-mauve.
- Each, pkt., 15c; $\frac{1}{4}$ oz., \$1.00.
- 2430 Mixed.** The above and many others. Pkt., 15c; $\frac{1}{4}$ oz., 75c.
- 2425 VIOLA, Jersey Gem.** New hardy Viola, blooms all Summer. Pkt., 25c.
- 2427 VIOLA rosea.** A distinct shade of rose unusual in Violas. Pkt., 25c.
- 2426 VIOLA, Apricot Chantreyland.** Pleasing combination of apricot and brown. Strong bushy plants. Pkt., 25c.
- 2431 VIOLA odorata (Sweet-Scented Viola).** The true sweet-scented Violet. Pkt., 25c.

Fancy Giant Pansies

An excellent strain of Fancy Giant Pansies, much larger than the old Trimardeau type and very true to color. Plants have strong, bushy growth and are remarkably free flowering.

- 2410 Cardinal.** Brilliant cardinal-red. A rare shade in Pansies.
- 2411 Eros.** Large flowers, velvety brown, edged with golden yellow.
- 2412 Golden Gem.** (Blotched). Golden yellow with large brown blotches on the lower petals.
- 2413 Golden Queen.** Pure golden yellow.
- 2414 Lord Beaconsfield Improved.** Top petals sky-blue, lower petals violet-purple.
- 2415 Mauve Queen.** Rosy lilac-mauve, extra large blooms.
- 2416 Mercury.** Giant blooms with frilled edges, velvety black.
- 2417 Snowflake.** Extra large; pure snow white.
- 2418 Vulcan.** Rich dark red with black blotches. An unusual bloom.
- Each, pkt., 15c; $\frac{1}{4}$ oz., 75c.
- 2419 COLLECTION:** One pkt. of each of the above nine colors, \$1.20.



Violas or Tufted Pansies

HARDY FLOWER SEEDS—Continued

2510 PHYSTOSTEGIA virginica (False Dragonhead). PH. Covered in summer with spikes of lavender-pink flowers held pendent, somewhat like foxgloves. Height 3 to 4 ft. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

FLATYCODON (Balloon Flower). PH. Balloon-shaped buds, opening to big bell-shaped flowers. Blooms all summer. Height 2 $\frac{1}{2}$ feet.

2521 Large Blue. Lavender-blue. Pkt., 10c.

2522 Large White. Pure white. Pkt., 15c.

2530 POLEMONIUM caeruleum (Jacob's Ladder). PH. Ornamental foliage and deep blue and white flowers. Height 2 feet. Pkt., 10c.

PERENNIAL POPPIES. PH. Very fine subjects for hardy borders. The Oriental varieties are the largest and most brilliant of the Poppy family, blooming in late May and June. Height 3 feet.

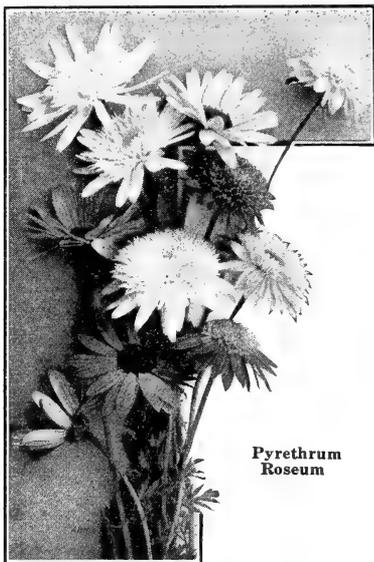
2561 Oriental. Glorious flowers, 5 to 6 inches across, crimson-scarlet with black base. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

2565 Oriental, Mahoney. Rich deep blood-red. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

2562 Oriental Hybrids, Mixed. Shades of red, pink, salmon, etc. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

2563 Princess Victoria Louise. Clear salmon-pink. Pkt., 15c; $\frac{1}{8}$ oz., 65c.

2564 Iceland Poppy (*Papaver nudicaule*). Hardy, thrifty plants, fine in rock gardens and on poor soil, blooming in early spring. Shades of yellow, orange, apricot, white, etc. Height, 1 foot. Pkt., 15c; $\frac{1}{4}$ oz., 75c.



Pyrethrum
Roseum



Primula Auricula

Hardy Primrose PHH

Attractive for rock gardens and woody spots, preferring a cool, moist soil and requiring light protection over winter. They bloom in early spring.

2611 auricula, Mixed. Low growing and free blooming. Flowers with distinct "eyes." Pkt., 25c.

2613 japonica. Very free flowering; all colors. Pkt., 25c.

2615 polyanthus. Tall English Polyanthus in a wide variety of colors. Pkt., 15c.

2614 vulgaris. True English Primrose. Bears yellow flowers in heads in early spring. Pkt., 15c.

2616 veris acaulis. True old-fashioned Cowslip. Pkt., 25c.

PYRETHRUM. PH. Fine hardy border Daisies.

2620 roseum, Red. Pkt., 25c.

2621 roseum, Single Hybrids. Large, daisy-like flowers in attractive shades of red and pink. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

2622 roseum, Double Hybrids. A very fine double form of the above. Pkt., 25c.

RUDBECKIA (Coneflower). Tall, showy flowers like single chrysanthemums, with cone-shaped centers; free blooming.

2642 speciosa Newmanii. PH. Bright yellow with conspicuous purple cone; blooms in autumn. Pkt., 15c.

2643 purpurea (*Echinacea purpurea*). PH. Rosy purple; late summer. This variety is called "Red Sunflower." Pkt., 15c.

2676 SALVIA farinacea. PHH. Flowers the first season and is usually treated as an annual. Lavender-blue. Pkt., 15c.

2691 SAPONARIA ocymoides. PH. A very pretty dwarf form, fine for rock gardens. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

HARDY FLOWER SEEDS—Continued

SCABIOSA. PH.

2711 *caucasica*. Pale blue flowers. More open than the annual varieties. Height 3 feet. Pkt., 15c.

2713 **Isaac House Strain**. An extremely large flowered strain of *Caucasica*. Pkt., 25c.

2712 *japonica*. Lavender flowers. Height 2 feet. Pkt., 10c.

SILENE (Catchfly). PH. For borders and rock-gardens.

2731 *armeria*. Bright rose-pink. Height 2½ ft. Pkt., 10c.

2732 **Schafta**. Rosy purple; very dwarf. Pkt., 15c.

2763 **STATICE latifolia** (Sea Lavender). A fine hardy perennial with flowers greatly resembling *Baby's Breath*, except that they are silver-blue in color and may be dried for use in winter bouquets. Pkt., 15c.

2820 **STOKESIA cyanea** (Cornflower Aster). PH. Large semi-double flowers of deep lavender-blue all summer. Height, 2 ft. Pkt., 15c; ¼ oz., 75c.



Sweet William—An Old Time Favorite

Sweet William PH.

Easily grown old-fashioned hardy flowers. The plants grow 15 to 18 inches tall and bear broad trusses of richly colored, sweet-scented flowers.

3001 **Holborn Glory**. Large, single flowers of various shades, all with distinct white "eyes."

3002 **Maroon**. Dark velvety color.

3003 **Newport Pink**. Large; salmon-pink.

3004 **Scarlet Beauty**. Deep scarlet.

3005 **Pure White**.

Each, pkt., 10c; ¼ oz., 35c.

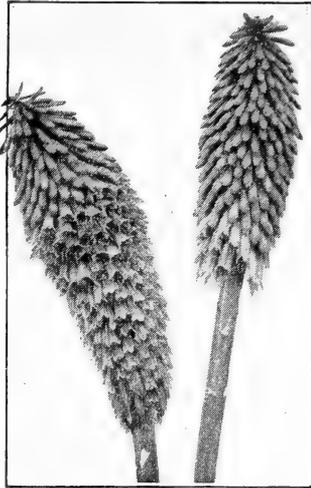
3009 **COLLECTION**: One pkt. of each of the above 5 colors, 40c.

3011 **Single Mixed**. All colors. Pkt., 10c; ¼ oz., 25c.

3010 **Double Mixed**. Fine. Pkt., 10c; ¼ oz., 40c.

3016 **THALICTRUM dipterocephalum**. PH. Very pretty plants for the perennial border. Fernlike leaves and white and rose colored flowers. Pkt., 25c.

3040 **TRITOMA hybrida mirabilis** (Red-Hot-Poker Plant). PH. This new continuous-blooming Tritoma is a decided acquisition to any perennial garden. Bears tall, orange-scarlet spikes throughout the summer. Pkt., 15c.



Tritoma—Red Hot Poker Plant

3050 **VALERIANA rubra** (*Centranthus ruber*). PH. Tall spikes of sweet-scented red flowers. Blooms all summer. Height 3 ft. Pkt., 10c; ¼ oz., 30c.

3074 **VERBENA venosa** (Hardy Tuber Verbena). PHH. Treated same as Dahlias, increases each year. Height 1 ft. Pkt., 10c.

3080 **VERONICA spicata** (Speedwell). PH. Border plants with long, blue flower spikes in midsummer. Height 2 ft. Pkt., 15c.

3081 **VERONICA repens**. Creeping variety of *Veronica* suitable for Rock Gardens. Pkt., 25c.

WALLFLOWER. PHH. Fragrant. Old-Country border perennials, thriving best in cool, moist spots. Should be carried over winter in frames. Attractive shades of brown, coppery red, old-gold, etc.

3096 **Single Early Paris**. Blooms early the first summer from seed sown indoors in February or March. Pkt., 10c; ¼ oz., 30c.

3097 **Early Single, Mixed**. Pkt., 10c; ¼ oz., 30c.

3088 **Double Mixed**. All colors. Pkt., 25c



Stokesia Cyanea—Stokes' Aster

Miscellaneous Grasses

As a rule mixtures are better than separate varieties of grasses, as two or more varieties when properly blended will withstand adverse weather conditions better than a single variety. For exceptional soil conditions, it is sometimes necessary to draw up formulas.

We list below the various grasses used for lawns, hay and pastures, together with short descriptions of the uses of each. All have been specially grown, cleaned and re-cleaned, and are guaranteed to conform with the Pure Seed Laws of the various States.

Prices subject to market changes.

Creeping Bent, Seaside. (*Agrostis stolonifera maritima*). A true Creeping Bent of remarkable purity. Makes a thick, dense turf on heavy, sour soils, and is unexcelled for fine lawns and putting greens. Lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$85.00.

Creeping Bent, European. (*Agrostis stolonifera*). Largely used for fine lawns and putting greens. Does well on wet, sour soils. Lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$85.00.

Crested Dog's Tail. (*Cynosurus cristatus*). A fine leaved grass that does well on hard, dry soil and in shady places. Should be used only in mixtures with other varieties. Lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

Kentucky Blue Grass. (*Poa pratensis*). One of our finest lawn seeds, and also useful for hay and pasture. Particularly adapted for rich limestone soil, but will do well on any rich soil. Lb., 45c; 10 lbs., \$3.50; 100 lbs., \$30.00.

Orchard Grass. (*Dactylis glomerata*). A hardy, quick-growing grass that gives a large yield of excellent hay, and may be cut several times during the season. Not recommended for lawn use. Lb., 40c; 10 lbs., \$3.00; 100 lbs., \$25.00.

Red Fescue, Chewing's. (*Festuca rubra*). Of particular value for sandy or gravelly soils, also does well in shade. Spreads by underground stems. Lb., 75c; 10 lbs., \$7.00; 100 lbs., \$65.00.

Red Top, Fancy Recleaned. (*Agrostis alba*). One of the "Bent" grasses which spread by creeping roots, but makes a rather loose turf when used alone. Especially valuable on acid soils. Fine for lawns, meadows and pastures. We offer only fancy quality, recleaned seed. Lb., 45c; 10 lbs., \$3.50; 100 lbs., \$30.00.

Rough Stalked Meadow. (*Poa trivialis*). One of the finest grasses for shady places. Leaves flat and light green, very dwarf growing. Does best on medium soils. Lb., 60c; 10 lbs., \$5.00; 100 lbs., \$45.00.

Eye Grass, Perennial, Facey's Imported. (*Lolium perenne*). A very rapid grower and used as a nurse crop in mixtures. Excellent for quick lawns and pastures, but not long lasting. Does well on all moist soils. Lb., 40c; 10 lbs., \$3.00; 100 lbs., \$25.00.

Timothy. (*Pheum pratense*). The most widely grown and profitable hay grass. Its nutritive value is increased by sowing one of the clovers or Red Top with it. If sown alone 15 pounds per acre. Not recommended for fine lawns. Write for prices.

Clovers

White Dutch Clover. Our grass seed mixtures do not contain White Dutch Clover, as it does not mix well with grass seeds, which are lighter in weight. However, White Dutch Clover has a definite place in lawns, as it produces a quick sod and helps to feed the other grasses. Unless a very heavy seeding is required, as for poor soils, 1 lb. per 2000 square feet is sufficient, $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1b., 75c; 5 lbs., \$3.50.

Alfalfa. Purest Northwestern grown seed only. The most valuable hay crop and soil enricher. Requires well drained, limestone soil and should be inoculated with Nitragin. Sow in Spring or late Summer, 20 lbs. per acre.

Alsike. Excellent hay Clover, thriving on poorly drained and slightly acid soils. Sow in early Spring, 6 to 8 lbs. per acre.

Crimson. A quick growing annual Clover, used on light soils as a green manure. Sow 12 to 15 lbs. per acre.

Medium Red. The old standby and one of the most valuable for hay, pasture, and green manure. Thrives best on well drained, sweet soil. Sow 10 to 15 lbs. per acre.

Mammoth Red. Grows larger, yields heavier, and is a little hardier, particularly on damp soils, than the common Medium Red. Matures with Timothy. Sow 10 to 15 lbs. per acre.

White Sweet Clover. Biennial; makes good hay and forage; thrives on poorer soil than any other Clover and is considered the greatest of all soil enrichers. For hay, sow 12 to 15 lbs. per acre.

Write for prices.

Farm and Field Seeds

CORN, BUCKWHEAT, OATS, SOY BEANS, BARLEY, MISCELLANEOUS GRAINS.

Prices and varieties on request.



THE ORIGINAL LEGUME INOCULATOR
Guaranteed Fresh Each Year—Leads in High Germ Count.

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields.

Garden Nitragin—Garden Size—Peas, Beans, Sweet Peas

Inoculates from 1 oz. to 4 lbs. seed \$0.10
Alfalfa and all Clovers.— $\frac{1}{2}$ bu., 30c; 1 bu., 50c; 2 $\frac{1}{2}$ bu., \$1.00.

Peas and Beans.— $\frac{1}{2}$ bu., 25c; 1 bu., 40c; 5 bu., \$1.70.

Lima Beans, Soy Beans, Cow Peas.—1 bu., 30c; 2 bu., 50c; 5 bu., \$1.00.

Important—When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Exhibition Dahlias

- Asbury Park.** A typical autumnal bloom, copper and bronze suffused with salmon. 50c each.
- Commodore.** Fine deep yellow. Blooms perfectly formed and borne on strong stems. 50c each.
- Edna Ferber.** Extra large flowers, coral-pink shading to old gold towards the center. 50c each.
- Emmanuel's Beauty.** A striking bloom, flaming red and yellow. 50c each.
- Grace Richard.** A beautifully formed bloom, pure white overlaid with lilac. 50c each.
- Jane Cowl (Decorative).** Flowers are positively huge in size, bronzy buff and gold shading to a deeper tone at the center. Plants are strong and vigorous with leathery foliage that insects do not like. 50c each.
- Jersey's Beauty (Decorative).** The finest pink Decorative Dahlia ever introduced. Color is a rich clear glowing pink. Flowers are of large size and held erect on long, strong stems. 50c each.
- Judge Snyder (Decorative).** Superfine, deep velvety crimson blooms. Very free flowering. 50c each.
- Kathleen Norris.** Massive flowers of true rose-pink color. Overlapping petals, twisted at the ends. 50c each.
- Monmouth Champion.** Flame scarlet, extra large flowers often 12 inches across. 75c each.
- Mrs. A. B. Seal.** One of the finest varieties from California. Beautiful deep pink blooms. 50c each.
- Mrs. L. De Ver Warner (Decorative).** Clear orchid or mauve-pink, and one of the most satisfactory of the large Decorative Dahlias to grow. 50c each.
- Omar Khayyam.** Chinese red and orange. A striking bloom of intense color. 50c each.
- Prince of Persia.** Strong growing plant with extra large bright red flowers. 50c each.
- Satan.** One of the finest reds. Bright scarlet with yellow on the reverse side of petals. 75c each.
- Thomas Edison.** A fine exhibition bloom. Dark reddish purple, exquisite under artificial light. 50c each.
- White Wonder.** One of the finest white decorative Dahlias. Large pure white blooms on strong stems. 75c each.

Pompon Dahlias

A distinct type of bloom, very attractive for cut flowers. Flowers are 2 to 3 inches across, nearly round, full double and petals spaced to resemble a honeycomb. Very free flowering and increasing in popularity from year to year.

Price, 25c each.

- Amber Queen.** Clear amber.
- Bricktop.** Bright red.
- Darksome.** Dark reddish maroon.
- Golden Queen.** Bright yellow.
- Leader.** Red and yellow.
- Snowclad.** Pure snow-white.

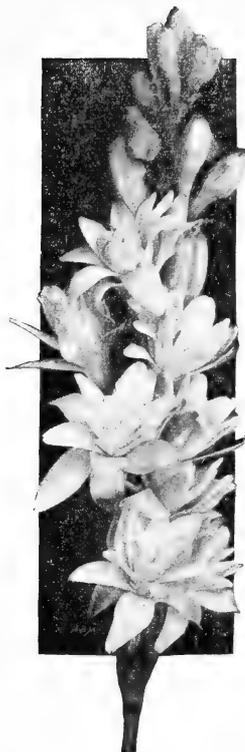
Supreme Gladiolus

Loveliest of Summer-blooming bulbous flowers for cutting, and also very effective when used in mixed borders and among shrubbery. Gladiolus are very easy to grow, and, while fertile soil will give best results, they will thrive and bloom in practically any garden soil, if planted in a sunny location.

Plant any time from mid-April to the end of June; in fact, we advise that planting be extended over this entire period, so that a succession of bloom may be had from July until frost. Plant bulbs 4 to 5 inches deep, 6 to 8 inches apart. Cultivate frequently, but not too deeply, during the growing season, and stake when 12 inches high.

- Albatross.** Best and largest pure white Gladiolus. Flowers nicely placed on tall strong stems. \$1.10 per doz.; \$8.00 per 100.
- Bagdad.** Exotically oriental. Smoky old rose with lighter throat. Immense blooms with five to seven open at one time. 85c per doz.; \$6.00 per 100.
- Betty Nuthall.** Rich orange-pink with pale yellow throat. Flowers are large, full open and well spaced on long stems. 70c per doz.; \$5.00 per 100.
- Commander Koehl.** One of the very finest Gladiolus. Flowers are immense in size, borne on long stems and intense dark sparkling scarlet in color. 90c per doz.; \$5.50 per 100.
- Duna.** Apricot-buff with creamy throat. Large wide open flowers well spaced on medium tall stems. \$1.00 per doz.; \$7.00 per 100.
- Pern Kyle.** An exhibition variety. Extremely large flowers, pure creamy white in color. 90c per doz.; \$6.50 per 100.
- Giant Nymph.** Light rose-pink with creamy yellow throat. Very strong growing. 70c per doz.; \$5.00 per 100.
- Minuet.** Has been rated the finest lavender for some time. Clear pinkish lavender, large flowers well spaced. 90c per doz.; \$6.50 per 100.
- Mrs. Leon Douglas.** One of the largest Gladiolus in existence. Deep rose shaded to scarlet; lower petals lemon-yellow. 70c per doz.; \$5.00 per 100.
- Mrs. P. W. Sisson.** Pure clear cameo-pink without a trace of any other color. Large full open flowers. 70c per doz.; \$5.50 per 100.
- Pelegrina.** We consider this the finest deep blue. When six to seven blooms are open, balance of buds show their deep velvety color, making a most attractive spike. \$1.00 per doz.; \$7.00 per 100.
- Pfitzer's Triumph.** The largest and finest Gladiolus at a price within the reach of everyone. Bright salmon-orange. Six inches across. 90c per doz.; \$6.50 per 100.
- Picardy.** Delicate apricot-pink, extra large and slightly ruffled. One of the most delightful Gladiolus ever introduced. 85c per doz.; \$6.00 per 100.
- Purple Glory.** Velvety purple-maroon with deeper purple blotches. Large, ruffled flowers nicely placed on a strong stem. 85c per doz.; \$6.00 per 100.
- Yellow Wonder.** By far the finest yellow Gladiolus. Flowers are large, and rich golden yellow with no blotches. 70c per doz.; \$5.00 per 100.
- SUPREME MIXTURE OF GLADIOLUS**
A hand made mixture that includes the best colors in suitable proportions. 50c per doz.; \$3.50 per 100; \$30.00 per 1000.

Miscellaneous Summer Flowering Bulbs



Tuberose

CALADIUM esculentum (Elephant Ear). Impressive foliage plants, growing to enormous size. Plant in May. Extra large bulbs, 11x13 in., 15c each; \$1.50 per doz.

CALLA, Golden Yellow (Richardia Elliottiana). Excellent for pot plants or summer bedding. Plant outdoors after danger of frost is over. Lift bulbs in the fall, after frost has cut down the foliage. 50c each; \$5.00 per doz.

CINNAMON VINE. Hardy, rapid growing vine, with bright green foliage, and clusters of small, white, fragrant flowers. Large roots, 15c each; \$1.50 per doz.

GLOXINIA. Charming summer flowering bulbous plants for the window garden or conservatory. Mixed colors, 35c each; doz., \$3.50.

ISMENE (Peruvian Daffodil). Large, white fragrant flowers, resembling amaryllis. Slender green foliage. 20c each; \$2.00 per doz.; \$14.00 per 100. Mammoth bulbs, 30c each; \$3.00 per doz.

MADEIRA VINE. An old-fashioned vine. Light green leaves and small white flowers with delicate fragrance. 10c each; \$1.00 per doz.; \$7.00 per 100.

OXALIS. Summer blooming. Charming little border plants. Mixed colors. Mammoth bulbs, 50c per doz.; \$3.00 per 100.

TUBEROSE, Double Pearl. Start indoors in March, or in the open in May. Flowers waxy white and very fragrant. Mammoth bulbs, 7c each; 70c per doz.; \$5.00 per 100.

Tuberous Rooted Begonia

These splendid flowers are always a feature in English gardens and it is only because they are so little known that they are not used more in America. Plants are of vigorous, bushy growth, 12 to 15 inches high, and bear huge flowers (sometimes 3 and 4 inches across) of the same waxy texture as the small Begonias. Colors range through yellow and pink to red. They may be used either as pot plants or for half-shaded beds, and should be planted in rich soil that can be kept well watered. Start indoors in March and April and transplant outdoors in May.

Giant Double Copper, Crimson, Pink or Yellow. Large size bulbs, 1½ to 2 ins. in diameter, 30c each; \$3.00 per doz.; \$23.00 per 100.

Brilliant Cannas

Due to great improvements made in recent years, Cannas have become very popular for large beds and mixed borders. The foliage is quite ornamental and the blooms make a mass of color from July until frost.

Start the roots indoors in pots in early March and plant in their permanent position about the middle of May; or the roots may be planted in the place where they are to bloom in early May. Set plants 1½ to 2 feet apart in a sunny location. The heights as stated will vary according to richness of the soil and location.

Dig roots after the first killing frost, cut off the foliage, and store in a cool, dry place over Winter.

Ambassador. (Bronze foliage). Immense flowers of brilliant, rich cherry-red. Very strong grower, 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

City of Portland. (Green foliage). Beautiful glowing pink. 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

Eureka. (Green foliage). The finest white Canna ever introduced. Flowers open cream but gradually turn pure white. 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

Golden Gate. (Green foliage). Pure golden-yellow changing to crimson and apricot as the flower ages. 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

Karl Merck. (Green foliage). Pure yellow, tinged orange and flecked with pink becoming red in the throat. 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

King Humbert. (Bronze foliage). Wonderfully effective. Large, orange-scarlet flowers and heavy, purplish bronze leaves, 5 feet. 10c each; 90c per doz.; \$6.00 per 100.

Mrs. Alfred F. Conard. (Green foliage). The strongest growing and largest flowered pink Canna. Flowers are clear pink and retain their color well. 10c each; 90c per doz., \$6.00 per 100.

Pennsylvania. (Green foliage). Extremely large, orchid flowered canna. Flame-scarlet overlaid with orange. 10c each; 90c per doz.; \$6.00 per 100.

The President. (Green foliage). The finest of all the reds. Enormous, rich scarlet flowers; strong plants; clean heavy foliage. 4 feet. 10c each; 90c per doz.; \$6.00 per 100.

Yellow King Humbert. (Green foliage). A sport from the red King Humbert. Flowers are large and orchid-shaped. Color yellow dotted orange-scarlet. 4½ feet. 10c each; 90c per doz.; \$6.00 per 100.

PLANT STAKES AND SUPPORTS

Bamboo, Green. Same thickness tip to butt.

	Doz.	100	1000
1 1/2 ft.	\$0.15	\$0.50	\$3.00
2 ft. ....	.15	.60	3.75
2 1/2 ft. ....	.20	.75	4.50
3 ft. ....	.20	.90	5.50
4 ft. ....	.25	1.25	7.00
5 ft. ....	.30	1.50	10.00
6 ft. ....	.40	1.80	14.00

Bamboo, Natural. Tapers to a point at the tip.

	100	1000
6 ft.	\$1.60	\$12.00
8 ft.	2.50	20.00
10 ft.	3.50	30.00

Bean Poles, Bamboo, extra heavy. Diam. 1/2 to 3/4 in.

	Doz.	100
4 ft.	\$0.60	\$4.00
6 ft.	1.00	6.00
8 ft.	1.25	7.00
15 ft., 2 in. diam.	15.00	

Carnation Supports. Heavy galvanized wire. Three-ring style

	Doz.	100
.....	\$1.50	\$10.00

Galvanized Wire, Heavy No. 9 gauge wire.

	Doz.	100	1000
2 ft.	\$0.25	\$1.25	\$ 9.00
3 ft. ....	.35	1.75	13.50
4 ft. ....	.40	2.00	16.50
5 ft. ....	.50	2.50	20.00

Hyacinth, Wood; painted green.

	100	1000
12 in.	\$0.50	\$2.50
18 in. ....	.60	3.00

Wood, Light, Round. Tapering, painted green.

	Doz.	100
1 1/2 ft.	\$0.30	\$ 2.00
2 ft. ....	.50	3.50
3 ft. ....	.85	6.00
4 ft.	1.25	9.00
5 ft.	1.75	12.50

Wood, Heavy, Round. Tapering, painted green.

	Doz.	100
3 ft.	\$1.50	\$10.00
4 ft.	2.00	14.00
5 ft.	2.50	17.00
6 ft.	3.25	20.00
6 ft. square, unpainted.	1.00	7.00

Ties, Wire. For fastening plants to Stakes, Per 1000 2.25

Raffia. Pliable grass used for tying plants. Natural, lb., 40c; 5 lbs., \$1.85. Green color, lb. 1.25

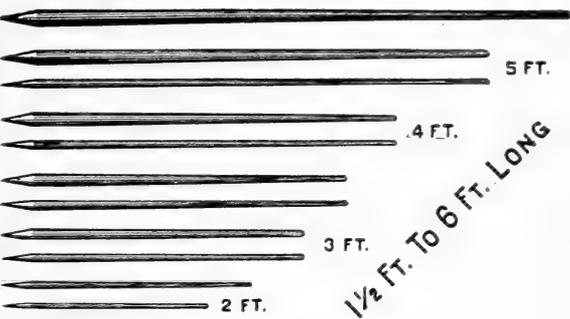
Vyntach Hooks. A new hook for holding vines to either masonry or wood walls. Easy to use and practically indestructible.

For masonry with drill, box of 25 ... \$2.00
For wood, box of 25 1.00



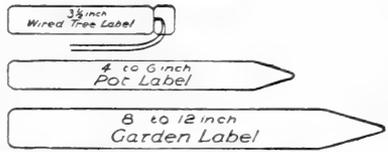
TWINE FOR TYING PLANTS

Cotton, Green. 2 balls, 25c; doz. balls	1.50
Jute. Soft, 2 or 3 ply for tying plants. 1/2-lb. ball .....	.30
Silkalene. Highest quality of strong green thread for tying plants. Spool, 40c; 8 spools	2.75



1 1/2 Ft. To 6 Ft. LONG

LABELS



Labels, Wooden. For pots and garden use. Pointed and painted on one side.

	100	1000
4 in. pot	\$0.40	\$2.75
5 in. pot .....	.50	3.25
6 in. pot .....	.55	3.50
8 in. pot .....	.80	5.00
10 in. pot	1.00	6.00
8 in. Garden, 7/8 in. wide.	1.00	7.00
10 in. Garden, 7/8 in. wide.	1.25	8.50
12 in. Garden, 1 1/8 in. wide.	1.60	12.00
3 1/2 in. copper wired. ....	.50	3.00

Labels, Celluloid. Pot. 3 1/2 in. 1.50
Labels, Celluloid. Pot. 5 in. 3.00



Labels, Weatherproof Plant. Simplex waterproof labels are adapted for all outdoor garden records. Writing is done on celluloid, which has a transparent mica cover. Copper wires attached to labels.

	Doz.	100
3x1 1/2 in.	\$0.50	\$3.00
4x1 1/2 in. ....	.75	5.00
5x1 in.	1.00	7.00

Labels, Weatherproof Garden. Transparent, waterproof card holder attached to an iron stake 24 in. long. Card 2 3/4 x 1 1/2 in., each, 25c; doz., \$2.75; card 3x2 in., each, 30c; doz. ... \$3.25

PERFECT GARDEN LABEL

A patented material that when marked with an ordinary pencil remains legible for 3 to 4 years. Gray-green in color and practically indestructible.

Perfect Rock Garden Label. Length, 4 in. Width of marking space, 1 1/4 in. Doz., 90c; 100, \$6.75.

Perfect Border Label. Length, 5 in. Width of marking space, 2 in. Doz., \$1.00; 100, \$7.75.

Perfect Show Label. Length, 7 in. Width of marking space, 2 1/2 in. Doz., \$1.25; 100, \$9.50.

Fertilizers

Plants are constantly drawing nitrogen, phosphorus, potash and other elements from the soil, and when your farm or garden produces a crop of vegetables, flowers, cereals or fruit, a certain portion of these important plant foods are removed from the soil.

Continued planting and removing of crops would soon exhaust the supply of these necessary plant foods, were it not that by the use of commercial fertilizers, stable and barnyard manure, we are able to replenish the supply and thereby keep up the fertility of the soil.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Florida Humus

The growth of your lawn depends on moisture and available plant food. If your soil does not contain moisture retentive humus, the growth is bound to suffer during dry spells regardless of the amount of water applied. If soil bacteria is lacking, the grass will also suffer, for it is the soil bacteria that reduce plant foods to a form that can be assimilated by the roots.

Florida Humus is pure decayed vegetable matter, containing approximately 3% organic nitrogen (the best source of nitrogen for plants). **Florida Humus** absorbs 5.31 times its own weight in water. **Florida Humus**, when mixed with Bone meal and composted for one week showed three times as many soil bacteria as the best dairy manure, proving that it is an ideal medium for the growth of soil bacteria, so necessary to the growth of all vegetation.

Prices, delivered in Pittsburgh, 100 lbs., \$3.25; 200 lbs., \$5.50; ton, \$45.00. Write for car lot prices.

SOIL TESTING KIT

The Sudbury Soil Testing Kit enables you to cheaply and easily test your own soil, so that you may know exactly what fertilizers to use. Home Garden Kit, complete with charts, \$2.00.

5 - 10 - 5

A special formula for the Pittsburgh district. Contains 5% Nitrogen; 10% Phosphoric Acid; 5% Potash. Use 5 lbs. for 100 square feet for lawns; 10 lbs. per 100 square feet for flowers and vegetable gardens, and shrubbery, and as a summer top dressing 2 to 4 lbs. per 100 square feet.

Supplied in 100-lb. Bags

100 lbs.	\$ 3.00	1000 lbs.	\$22.00
500 lbs.	12.00	2000 lbs.	42.00

Nitrate of Soda

Nitrogen 15%

Quick acting stimulant containing 15 per cent nitrogen which hastens development of the crop.

Supplied in 100-lb. Bags

1 lb.	\$0.15	500 lbs.	\$15.00
10 lbs.	1.00	1000 lbs.	26.00
100 lbs.	3.50	2000 lbs.	50.00

Sheep Manure

Flower Gardens. Luxuriant growth of healthy green foliage and a wealth of vivid colored flowers quickly follow the use of Sheep Manure. Mix with the soil under new plantings and top dress established plants with 10 lbs. to 100 sq. ft. of soil.

Vegetables and Fruit. Every gardener knows that there is nothing better than manure to build up the soil. Sheep Manure is practical and will produce big crops of crisp, tender vegetables for the early market. Also improves yield, color and flavor of fruit crops. Use 1000 to 1500 lbs. per acre.

PRICES

5 lbs.	\$0.30	100 lbs.	\$ 3.00
10 lbs. ....	.50	500 lbs.	12.00
25 lbs.	1.00	1000 lbs.	22.00
50 lbs.	1.75	2000 lbs.	42.00

Cattle Manure

Manure from the feeding pens, rich in plant foods. Thoroughly shredded and dried at a high temperature to kill weed seeds. Not so coarse as barnyard manure but much coarser than Sheep Manure, making an excellent top dressing for roses.

100 lbs.	\$ 3.00	1000 lbs.	\$22.00
500 lbs.	12.00	2000 lbs.	42.00

Bone Meal

PURE RAW NO. 1

Nitrogen	3.70%
Phosphoric Acid	21.50%
Bone Phosphate of Lime	47.00%

A warranted pure grade made from selected stock of bones. A fine grind, suitable for lawns, vegetables and shrubs.

Apply at the rate of 5 lbs. per 100 square feet, or 1000 to 1500 lbs. per acre.

Supplied in 100-lb. Bags

5 lbs.	\$0.30	100 lbs.	\$ 4.00
10 lbs. ....	.50	500 lbs.	16.00
25 lbs.	1.25	1000 lbs.	31.00
50 lbs.	2.25	2000 lbs.	60.00

Bone Meal Flour

Nitrogen .....	.82%
Phosphoric Acid	29.76%
Bone Phosphate of Lime	70.00%

Finest grade of bone meal made. Ground as fine as flour, used in potting soil and in the greenhouse on carnations.

Supplied in 100-lb. Bags

100 lbs.	\$ 5.50	1000 lbs.	\$43.50
500 lbs.	22.25	2000 lbs.	85.00

Lime, Hydrated

High calcium limestone burned to remove the foreign elements that are of no value to the soil. Our lime contains 63 per cent of calcium oxide. Highly recommended to correct acidity on lawn, garden and farm soils.

Supplied in 50-lb. Bags

10 lbs.	\$0.30	500 lbs.	\$ 6.00
50 lbs. ....	.75	1000 lbs.	10.00
100 lbs.	1.50	2000 lbs.	18.00

FREE DELIVERY

All fertilizers on this page purchased in quantities of 100 lbs. or over are delivered free inside the city limits at prices listed. On freight shipments an allowance of 25c per 100 lbs. will be made.

Vigoro

The complete plant food, supplies all the eleven elements necessary for plant growth instead of the usual three. Equally valuable for flowers, vegetables, lawns or shrubbery.
4% Nitrogen. 12% Phos. Acid. 4% Potash
 5 lbs.\$0.45 25 lbs.\$1.50
 10 lbs.85 50 lbs. 2.50
 100 lbs.\$4.00

Floranid (Urea). 46% Nitrogen. Use ½ pound per 100 sq. ft. or dissolve 1 level teaspoonful in 7 gallons of water. Lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.00.

Nitrophoska 15-30-15. The most powerful fertilizer on the market. Apply before planting at the rate of 1 lb. per 100 square feet and water thoroughly after applying. Lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.00.

Aluminum Sulphate. By its use an acid condition is created, which is favorable to the development of Rhododendrons and other plants of a like nature.
 1 lb.\$0.20 25 lbs.\$1.90
 5 lbs.75 100 lbs. 5.00

Sulphate of Ammonia. 20% Nitrogen. Unexcelled as a source of nitrogen for lawns, vegetables, trees and flowers.
 1 lb.\$0.15 25 lbs.\$1.75
 5 lbs.60 100 lbs. 4.00

Super Phosphate

Available Phosphoric Acid16%
Supplied in 125-lb. Bags
 125 lbs.\$3.00 1000 lbs.\$16.00
 500 lbs. 8.50 2000 lbs. 30.00

Perfection Brand

Nitrogen4%
 Available Phosphoric Acid8%
 Potash7%
Supplied in 100-lb. Bags
 100 lbs.\$ 3.00 1000 lbs.\$21.00
 500 lbs. 12.00 2000 lbs. 40.00

Humus

Plant and animal life decaying through many generations form humus. Valuable for use on land lacking in vegetable matter and to lighten and mellow heavy clay soils.
 25 lbs.\$0.75 500 lbs.\$ 8.50
 50 lbs. 1.25 1000 lbs. 16.00
 100 lbs. 2.50 2000 lbs. 30.00

Muriate of Potash

Potash 48 Per Cent

Next to Nitrogen and Phosphoric Acid, Potash in the form of Muriate of Potash is one of the most valuable of plant foods. Being readily soluble in water, it becomes quickly available as food to plant life. Use 200 to 300 lbs. per acre—½ lb. per 100 square feet or dissolve 1 level tablespoonful in 5 gals. of water.
 1 lb.\$0.15 100 lbs.\$ 4.00
 10 lbs. 1.00 1000 lbs. 35.00

All fertilizers in this column purchased in quantities of 100 lbs. or over are delivered free within the city limits at the prices listed. On freight shipments an allowance of 25c per 100 lbs. will be made.

Special Fertilizers

Hormodin

"The Root-Forming Chemical"
 Anyone can now make cuttings from their choicest and tenderest plants with this wonderful root-forming chemical. Small size, \$1.00; estate size, \$2.00.

Adco Artificial Manure. The scarcity and cost of stable manure has made its extensive use impracticable, and the compost pile, although of undeniable value, is a long and tedious undertaking. The process of making artificial manure consists of merely making a heap of all garden trash, wetting it thoroughly and adding the bacterial powder Adco. In the course of three or four months this heap is converted by action of the growing bacteria into excellent manure. 25-lb. sack (enough for 12 wheelbarrows waste), \$2.25; 100 lbs., \$7.75; 150-lb. sack (enough for 10x10x6 ft.), \$10.50. Delivered in Pittsburgh.

Smith's "Mum" Manure. Universally used by the best growers for growing the finest chrysanthemums. 100 lbs., \$6.00.

Dried Blood. High in nitrogen. Used for supplemental feeding. Not carried in stock. Price variable. 100 lbs., \$7.00.

Agricultural Salt. Used principally on asparagus beds to keep down weeds and promote heavy growth. 100 lbs., \$3.00.

Clay's Fertilizer. An English fertilizer used largely for forcing greenhouse stock. 7 lbs., \$1.50; 14 lbs., \$2.50; 28 lbs., \$4.25; 56 lbs., \$7.50; 112 lbs., \$13.00.

Horn Shavings. Rich in ammonia and valuable for use in mixing in potting soil, for growing 'mums, etc. Lb., 15c; 5 lbs., 75c; 25 lbs., \$2.25; 100 lbs., \$7.50.

Peat Moss, Genuine Imported. Strictly the finest quality of imported, horticultural grade Peat Moss. Light and porous in texture, it is unexcelled for mulching. Large bale covers 250 square feet, 1 inch deep, contents 18 to 24 bushels. Price is variable, write or phone for best price delivered in Pittsburgh.

PLANT TABS. A plant food in highly concentrated tablet form. Convenient for house use. 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1000 tablets, \$3.50.

Soot, Scotch Imported. Will produce a good color in greenhouse plants. Is also effective against grubs and worms that work near the surface. 5 lbs., 85c; 10 lbs., \$1.50; 100-lb. sack, \$8.00.

Leaf Mold, Moss, Peat, etc.

Charcoal. For mixing with potting soil. Either granulated or lump grade. Lb., 15c; 5 lbs., 65c; 50 lbs., \$3.50; 100 lbs., \$6.00.

Leaf Mold. Excellent for mixing with soil for potting. ½ pk., 30c; pk., 50c; sack, (1¼ bus.), \$2.50.

Moss, Green Log. 1 sq. yd., 50c; sack, \$2.50.

Moss, Sphagnum, Dried. Large bales, well burlapped, \$2.75.

Moss Sphagnum, Live. For potting orchids, etc. Market price.

Peat, Jersey. Used as a compost for mixing soil for potting plants. ½ pk., 30c; pk., 50c; 1¼-bu. sack, \$2.50.

Peat, Fibrous. Used for potting orchids, etc. 2-bu. sack, \$3.50.

Insecticides and Fungicides

All items marked by a star (*) are not mailable and can be sent only by express or freight. Items not marked with a star (*) can be sent by mail, but postage must be included with order. All prices subject to change.

- ***Ansect.** Contact spray for rose bugs, aphids, etc. Pt., \$1.00; qt., \$1.75.
- Ant Destroyer.** Effective powder for destroying ants, roaches, etc. $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., \$1.00.
- Antkiller, Terro.** Rid your home and premises of the embarrassing and health-injuring ant nuisance. Kill the ants in the nest. Small bottle, 25c; large bottle, 50c.
- ***Aphine.** One of the best remedies for aphids, or red spider. Pt., 65c; qt., \$1.00; gal., \$3.00.
- ***Arsenate of Lead, Powder.** For dusting. Lb., 35c; 4 lbs., 90c; 24 lbs. (6 4-lb. bags), \$4.00; 100 lbs., (25 4-lb. bags), \$15.00.
- Asbestos Torch.** For burning tent caterpillar nests. Price, 75c.

Kills
Aphis

Black Leaf 40
4.0% Nicotine

- ***Black-Leaf 40.** Nicotine sulphate; contact spray for sucking insects. Oz., 35c; 5-oz. bottle, \$1.00; lb., \$2.25; 2 lbs., \$3.25; 10 lbs., \$10.60.
- ***Bordeaux Powder.** For blights, mildews, rusts, etc. Lb., 35c; 4 lbs., 90c; 24 lbs. (6 4-lb. bags), \$4.00; 100 lbs. (25 4-lb. bags), \$16.00.
- ***Calcium Arsenate.** Higher poison content than Arsenate of Lead. Kills chewing and leaf-eating insects quickly. Mixes easily with water and can be combined with Lime-Sulphur or Bordeaux. Lb., 30c; 4-lb. bag, 75c; 24 lbs. (6 4-lb. bags), \$3.00.
- ***Copper Sulphate (Blue Vitriol).** Used for making Bordeaux Mixture. Lb., 25c; 5 lbs., 75c; 25 lbs., \$3.00; 100 lbs., \$10.00.
- Crow Repellent.** Absolutely keeps crows from pulling corn. $\frac{1}{2}$ pt., 60c; pt., \$1.00.
- ***Cyanogas G Fumigant.** The most effective fumigant for greenhouse pests such as White Fly, Thrips, Aphids, etc. Fumigation is started at dark by scattering the Cyanogas on the walks after which the house is closed for the night. 5 lbs., \$3.00; 25 lbs., \$10.00.



"DOGZOFF"

- Dogzoff.** Breaks dogs of bad habits around the home, trees, evergreens, etc. Spray with Dogzoff. Bottle, 60c.
- ***Dutox (Barium Fluosilicate).** Non-arsenical poison for killing the Mexican Bean Beetle and other chewing insects. 6 lb. bag, \$1.50.

SPRAYERS AND DUSTERS

Insecticides and fungicides must be applied properly if they are to be effective. A complete list of sprayers and dusters is given on page 66.

NEW EVER GREEN SPRAY

EVER GREEN is a highly effective, yet entirely safe insecticide that is giving excellent control of practically all insects. It will not injure the tenderest plants or flowers. Absolutely non-poisonous to humans, animals, birds, pets. Economical and very easy to mix and apply. Guaranteed not to corrode metal, rubber or clothing.

1-oz. bottle, 35c (by mail 45c); 6 ozs., \$1.00 (by mail, \$1.10); pint, \$2.00; gallon tins, \$11.00.

Formofume. For treating soil and seed for plant diseases. Controls damping off effectively. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$5.00.

Fungine. Standard fungicide for mildew and other fungous diseases. Gal., \$3.00.

Fungtrogen. An effective preventative and remedy for mildew, black spot and many fungous diseases of Roses and other plants. $\frac{1}{2}$ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

Grape Dust. Dust for mildew on grapes and roses. 5 lbs., \$1.50.

Lemon Oil. For mealy bug and soft scale insects. Pt., 65c; qt., \$1.00; gal., \$3.00.

Lethane 440. Best remedy for mealy bug. Qt., \$3.00; gal., \$8.50.

***Lime-Sulphur, Liquid.** The standard dormant spray for fruit and shade trees for scale and certain fungous diseases. Packed in steel containers to prevent leaking. Qt., 40c; $\frac{1}{2}$ gal., 60c; gal., 90c; 5 gals., \$3.25; 30-gal. bbl., 30c per gal., 50-gal. bbl., 25c per gal.

***Lime-Sulphur, Powder.** Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle. Lb., 40c; 5 lbs., \$1.50; 12 $\frac{1}{2}$ lbs., \$2.25; 25 lbs., \$4.00; 100 lbs., \$12.00.

Lime-Sulphur Hydrometer. Each, \$1.00.

MAGOTITE. Used for many years, for the control of root maggot on Cabbage, Cauliflower. Onion, Radishes, etc. Lb., 50c; 5 lbs., \$1.25.

Mologen. Powdered mole-killer. Non-poisonous to humans or pets. Can, 50c.

Naphthalene Flakes. Destroys soil vermin and thrip on gladiolus. Lb., 20c; 5 lbs., 90c.

***Nicofume Liquid.** As spray or vapor for greenhouse use or as contact spray outdoors for aphids, etc. Lb., \$2.25; 4 lbs., \$5.75; 8 lbs., \$10.00.

Nicofume Powder. Concentrated Tobacco-powder impregnated with high strength nicotine. Effective greenhouse fumigator. $\frac{1}{2}$ lb., 45c; 12 $\frac{1}{2}$ -lbs., \$4.50. 1 lb., 75c; 12 1-lbs. \$7.50.

***Para-Benzene.** When placed around the base of Peach trees, forms a gas that kills the borers. Use about one ounce per tree. Lb., 65c; 5 lbs., \$2.50.

***Paris Green.** $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.50.

Insecticides and Fungicides Continued.

- Pomo-Green.** Leaf-green insecticide and fungicide for the control of insects and blights or mildews on Roses, Snapdragons, etc. 1 lb., 50c; 5 lbs., \$1.75.
- Pyrox.** Kills chewing insects and prevents plant disease. Pyrox is easy to use—simply add water and spray. It has been used by commercial growers for over thirty years. 10 lbs., \$3.00; 25 lbs., \$5.00.
- *Qua-Sul** Keep your garden and greenhouse clean and healthy with Qua-Sul, a soluble sulphur carbon compound that has remedied more growers' ills than any preparation on the market. Used effectively for blight, mildew and as a soil cleaner. Invaluable for rust on Delphiniums, Hollyhocks and Snapdragons. Qt., \$1.25; gal., \$4.00.
- Rat Baits—Topzol.** Non-poisonous. Pkg., 20c.
- *Rat Poison—Cyanogas A grade.** This grade is used only as a rat and rodent destroyer. By pumping the powder into the rat hole a gas is released which is sure death to rats. It should not be used about the house, only around barns or outhouses. Lb. can, 75c; Duster to apply, \$1.40.
- Rat Killer—K. R. O.** Kills rats only. A powder made from the giant squill bulb that is poisonous only to rodents. Pkg., 75c.
- Rat Killer—K. R. O. Ready Mixed.** Ready for use; harmless to domestic animals and human beings. Can, 35c.
- *Rat Poison—Zelio.** A powerful poison that is easily applied as bait on bread, meat, cheese, etc. After eating the rodent has difficulty in breathing which causes the victim to seek relief in the open air. 2-oz. tubes, 50c.
- Red Arrow.** Non-poisonous Pyrethrum soap spray. Simply mix with water and spray. Effective against practically all insects. Oz., 35c; ¼ pt., \$1.00; pt., \$2.50; qt., \$4.00; gal. \$12.00.
- Rotecide.** Non-poisonous insecticide for all sucking and chewing insects. Especially recommended for red spiders on evergreens. 8-oz. bottle, \$1.00; pt., \$1.75; gal., \$3.00.
- Rotone.** Non-poisonous dust for killing the Mexican Bean Beetle and other insects. 1 lb., 35c; 4 lbs., \$1.00.
- *Scalecide.** Dormant spray for scales, blights, and fungous diseases. Qt. 65c; gal., \$1.55; 5 gals., \$5.50; 30-gal. iron drum, \$25.00; 50-gal. bbl., \$30.00.
- Selocide.** Sure control for Red Spiders on Evergreens. Qt., \$1.25; gal., \$3.50.
- SEMESAN—For use on general seeds.** 2 ozs., 35c; 1 lb., \$2.25; 5 lbs., \$9.90.
- SEMESAN BEL—For Potatoes and Bulbs.** 5 lbs., \$6.75.
- Slug Shot.** Old reliable remedy for cabbage and currant worms. Lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.00.
- Soap, Fish Oil.** For scale and aphids, and as a spreader for other sprays. Lb., 30c; 5 lbs., \$1.25.
- Soap, C. P. O.** Used as a spreader for Nicotine and Pyrethrum Sprays. Qt., \$1.00; gal., \$2.50.
- Spray Oil, Sunoco.** Economical and effective dormant and all-season oil-spray. Excellent for control of scale, red spider, leaf roller, etc. Gal., \$1.25; 5 gals., \$5.00; 30-gal. bbl., \$13.80; 50-gal. bbl., \$25.00.
- Sulphur, Flowers of.** For mildew and making lime-sulphur solution. Lb., 15c; 5 lbs., 50c; 25 lbs., \$1.50; 100 lbs., \$5.00.
- Sulphocide.** As a Summer spray Sulphocide is highly recommended. Highly concentrated, non-poisonous, liquid sulphur fungicide, distinct from lime-sulphur. Qt., 85c; gal., \$2.25.
- Thrip Juice.** Liquid insecticide for sucking insects; aphids, thrips, etc. Gal., \$4.80.
- Tobacco Dust, Fine or Coarse.** Lb., 15c; 5 lbs., 50c; 25 lbs., \$1.50; 100 lbs., \$5.00.
- Tobacco Stems.** Used for mulching. 100 lbs., \$1.50; ton, \$18.00.
- Tree-Wound Paint.** Prevents infection of exposed surfaces. Pt., 50c; qt., \$1.00; gal., \$2.50.
- Tree Tanglefoot.** A sticky compound for banding trees. Prevents the ascent of all climbing insects. One application lasts three months. 6 ozs., 35c; lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.65; 25 lbs., \$12.00.
- Triogen.** The complete spray treatment for roses. Controls leaf eating and sucking insects as well as mildew, black spot and other diseases. Spray every 10 days for complete freedom from insects and fungous diseases. 12-rose kit, \$1.50; 50-rose kit, \$4.00; 100-rose kit, \$6.00.
- *Vermol.** Worm eradicator, non-poisonous and harmless to lawns. Apply one pound to 20 square feet. 5 lbs., \$1.00; 25 lbs., \$2.50; 100 lbs., \$7.50.
- Volck.** One of the safest as well as one of the most powerful insecticides for red spider, white fly, mealy bug, thrips, etc. The foliage after spraying shows a glistening deeper green. ¼ pt., 35c; qt., 75c; gal., \$2.00; 5 gals., \$6.25.
- Weed Killer for Lawns (Adco).** 3 lbs., \$1.00.
- Weed Killer (Liquid).** Concentrated solution for mixing with water to kill weeds. Qt., 65c; gal., \$1.75; 5 gals., \$6.50; 55-gal. bbl., \$57.75.
- Weed Killer Cane.** For applying weed killer directly to plantain and dandelions. \$3.00.

WHY BUGS LEAVE HOME



***Wilson's O. K. Plant Spray.** Effective indoor and outdoor spray for aphids, red spider, etc. Qt., \$1.00; gal., \$3.00; 5 gals., \$12.00; 30-gal. bbl., \$57.00; 50-gal. bbl., \$90.00.

X. L. ALL. An English insecticide of soap and nicotine. ½ gal., \$5.00; gal., \$8.50.

Dusters and Sprayers

HAND DUSTERS

Bellows, Woodason's Insect. For applying insecticides in powder form. Powerful enough to blow the powder in the crevices where the insects breed. Small, single cone, \$3.50; large single cone, \$4.75. Sulphur style, \$4.00. No. 313, \$2.00.

Hand Dust Gun. Efficient hand duster for applying all insecticides in powder form. Gives a very fine dust which reaches all parts of the plant. Extension rod is included for working in corners and crevices. Qt. size, \$1.25.

Savage Duster. The discharge arm of the Savage Duster can be swung in a position to the rear of the operator, if so desired. This feature eliminates the powder from being blown in the face of the operator. Price, \$18.50.

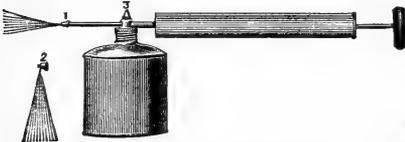
Accordion Duster. A light weight duster for all low growing crops. Simple and easy to operate. Throws a fine dust and can be regulated for from 1 to 12 pounds per acre, \$7.00.

HAND SPRAYERS

Misty. A general purpose efficient sprayer made of heavy tin. Throws a fine, mist-like, uniform spray. $\frac{3}{4}$ -pt. size, 35c; 1-qt. size, 50c.

Glass Jar Sprayer. A continuous sprayer with glass container which will not corrode or rust. \$1.25.

Spraymaster. Half gallon capacity hand spray. Brass pump chamber, galvanized tank, 2 nozzles. An ideal sprayer for larger gardens, easy working and sprays a continuous fine misty spray. \$2.00.



Robertson Compressed Air. Works easier, gives a more powerful spray and lasts longer than any other hand sprayer on the market. All parts can be taken apart and cleaned. Capacity one quart. Galvanized, \$1.25; brass, \$2.00. 16-in. brass extension, 60c.

Rubber Sprinkler. Made of best grade of heavy rubber. Well adapted for spraying the foliage on plants indoors. \$1.25. Small size, 75c.

BUCKET SPRAY PUMPS

Standard. Pump with hose and three nozzles, \$5.50. Galvanized knapsack, 5 gal. capacity, \$4.00; extension rod, curved, \$1.00.

Little Giant. Well-constructed bucket Spray Pump with cylinder and air-chamber side by side, by which the work is all done on the down stroke. Patent agitator keeps the liquid thoroughly mixed. \$4.00.



Little Giant

INSECTICIDES
A Complete List on Pages
64 and 65.



Paragon No. 3.

Paragon No. 3. This represents our most popular outfit. The heavy galvanized tank of 12 gallons capacity is mounted on a strong two-wheeled steel truck and easily moved from place to place. Equipment: 10-ft. special spray hose, 10-ft. extension pipe and nozzles. Price complete, \$23.50.

KNAPSACK SPRAYER

Vermorel No. 1. True knapsack style with two shoulder straps. Solid copper tank; double action pump; all working parts are outside and easily accessible. Recommended by all who have used it as the finest sprayer on the market. Equipped with any-angle nozzles, extension pipe, strainers and stop cock, \$20.00.

Compressed Air Knapsack Sprayer, 4 gal. Sturdy compressed air sprayer; capacity, 4 gals.; weight, 10 lbs. Metal tank is lock-seamed, well riveted and soldered throughout. Uses: For spraying shrubs, vines, field crops, white-washing, removing wall paper and general purposes. New solid seamless brass pump and brass ball check valve. Fitted with 2-ft. extension pipe and auto-pop nozzle. Galvanized tank, \$6.00; brass tank, \$9.50.

Home Garden Size. This sturdy little machine is recommended where light weight is a factor. Built similar to the above except the capacity is 2 $\frac{1}{2}$ gals., and extension rod is 18 inches. Weight 7 lbs. Galvanized tank, \$5.00; brass tank, \$8.00.

ACCESSORIES FOR SPRAYERS

Extension Pipe. 2-ft. lengths. Iron, each, 35c; 34-in. brass, each, 75c; elbow, 35c; 30-in. Paragon straight or curved, 50c.

Nozzles. Auto Pop, \$1.50; Bordeaux, \$1.00; Imperial, 75c; Non Clog, 75c; Vermorel, \$1.00; Paragon, \$1.00.

Spray Gun. Utilizes the entire capacity of any power sprayer and eliminates bamboo extension rods and other fittings, \$6.50.

Spray Hose. Strongly made to stand high pressure. $\frac{1}{2}$ in., 35c per ft.; $\frac{3}{8}$ in., 30c per ft.

Cup Washers. We carry in stock leather cup washers for all the above sprayers.

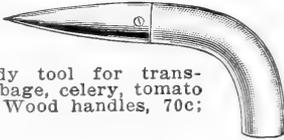
Miscellaneous Garden Tools



Asparagus Knives. V-shaped blade, which cuts the edible stalk under the soil. Short handle, 40c; 4 ft. handle\$0.75



Dock and Thistle Cutter. Well made tool with forked spud and foot rest. 4½ ft. D-handle 1.50



Dibbles. Handy tool for transplanting cabbage, celery, tomato plants, etc. Wood handles, 70c; all iron, 70c.

FORKS:

Old-Fashioned Wood Fork. Made the old-fashioned way, all joints mortised and pegged. Decorative as well as useful. Three wood tines, 20 inches long, spread 10 inches. Length over-all, 6 feet... 1.50

Ensilage. Six 15-in. steel tines. D handle 2.60



Spading, Long Handle. Preferred by some gardeners; saves stooping.. 2.00

Spading. Best grade steel. Four heavy angular tines which never break: Wood D handle..... 2.00

Spading, English. Tines are square and sharp pointed. Highest grade. 2.50

Spading, Small Size. Four light angular tines with 3½-ft. handle. 1.00



Manure. Six tines, Iron D handle, \$1.90; four tines, 4½ ft. bent handle 1.60



Hay. Three tines, 5 ft., straight handle 1.50



Grass Edging Knives. American Flat Top, 4 ft. handle, \$1.25; 2½ ft. D. handle, \$1.25; English Half Moon.. 2.25

Garden Set of Tools. Three piece set of Hoe, Rake and Shovel all carefully made of good material..... \$2.00
Planet Jr. Edger No. 2. Indispensable for edging cement walks..... 1.75

HOES:



Handy Hoe. The handiest garden tool that has ever been offered. Blade ¾ in. wide by 4 in. long; 4-ft. handle. Small enough to cultivate between the most closely bedded plants, and large enough for a thorough weeding job. 75c.



Garden. Solid steel socket. 6 in., \$1.10; 7 in., \$1.15; 8 in..... 1.25



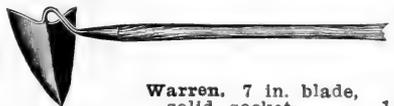
Grape, Italian. 7x9 in. blades; 3½ ft. handle 2.00

Grub. 4½-in. blade, 4-ft. handle 1.00

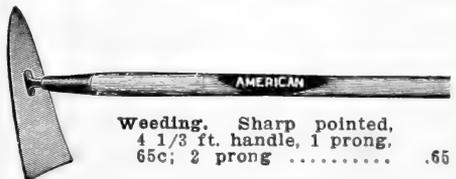


Invincible. Three detachable steel prongs. 9-in. handle, 50c; 4-ft. handle 1.00
 Five prong, 4-ft. handle 1.20
 Extra teeth. 15c each; 2 for25

Onion. Triangular blade, 4-ft. handle .75
Scuffle. 5 in., \$1.15; 6 in., \$1.25; 8 in. 1.50



Warren. 7 in. blade, solid socket 1.45



Weeding. Sharp pointed, 4 1/3 ft. handle, 1 prong, 65c; 2 prong65

MISCELLANEOUS GARDEN TOOLS—Continued.

HOES—Continued.



Hoe and Weeder. Hoe one side, 4-toothed weeder on back..... \$0.75



HOE MATTOCKS, Dig Easy. 1 3/8 and 3-in. steel blades 1.25

Solid Steel. Blades and shank forged from one solid piece..... 1.35

Cutter Mattock. 4 in. cutter blade, 3 ft. handle. (Handle only 50c)... 1.75

Little Digger Mattock. A light practical tool for the home garden... 1.25

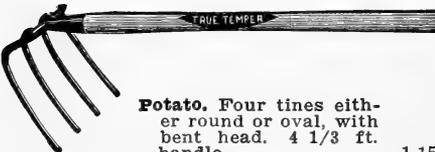
HOOKS, Corn. Tempered steel blade.. .60



Grape. 2 flat prongs, forged from one solid piece of steel 4 ft. handle. 1.50



Nursery. Two 9 in. steel prongs, tapering to an edge. Bent handles, 4 1/2 ft. long..... 2.00



Potato. Four tines either round or oval, with bent head. 4 1/3 ft. handle 1.15



Hook Weeder. Similar to a Potato Hook but tines are shorter and bent at a greater angle..... 1.00



LAWN MOWER. SILENT YARDMAN.

Easiest to push; most silent running lawn mower on the market. All steel construction; rubber tires; blades and cutter bar oil tempered steel; gears are sealed against dirt and require lubrication but once a year. Made in 14, 16, 18 and 21 inch sizes. Come in for a demonstration.

POST HOLE DIGGER. Easily operated. Best cast steel blade..... 2.75

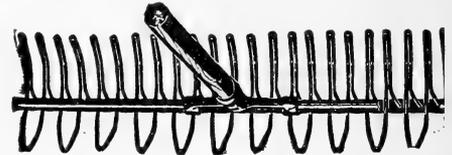
RAKES, Metal—

Garden, Straight Back. Highest quality, 12 teeth, \$1.00; 14 teeth, \$1.10; 16 teeth, \$1.25; small size, 6 teeth. .60

Garden, Bow. 14 teeth, \$1.35; 16 teeth 1.50

Lawn Comb. 18 in. wide. Flexible, flat steel tines will not clog 1.25
24 in. 1.75

Wire Broom Rake. 18 flexible round steel teeth, will not clog. 18 in. wide 1.25



Wire. Combines strength with light weight, 24 teeth, \$1.25; 36 teeth 1.75

Bamboo Broom, Re-Inforced. Light efficient, lawn broom of bamboo, cleans easily and thoroughly. 18 inch 75c; 24 in. \$1.25; 30 in. 1.75

SABIN
"GUMFINGER"
TRADE MARK REG. LAWN RAKES

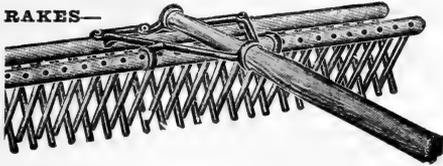


An Ideal Gardening Tool

Will not tear or uproot the grass because the teeth are live, flexible rubber. 16 inch, \$1.25; 20 inch, \$1.40; 24 inch 1.60

MISCELLANEOUS GARDEN TOOLS—Continued.

RAKES—



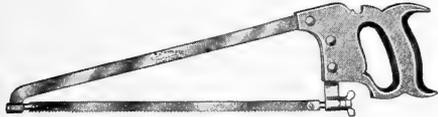
- Automatic.** Self cleaning, 26 wooden teeth, \$2.00; 38 teeth\$2.50
- Hay.** 12 wooden teeth 1.00
- Lawn.** A light and desirable wooden rake for the lawn, 26 teeth 1.00
- Close-up Lawn.** 26 wood teeth; 24 inches wide; 3 wire braces 1.25

SAWS, Pruning—

- Duplex Pruner,** 20 in. double edged blade 1.75
- Pole Style** 2.25
- Blade only 1.50
- Socket only75
- 8-ft. Pole75



- Single Edge.** Best quality steel. 16 in., \$1.40; 20 in. 1.50
- Heavy Pruning.** 26 in. with large teeth for fast work on large limbs 4.25
- No. 42. Tuttle Tooth.** 22 in. open handle 2.00
- No. 40. Tuttle Tooth.** 24 in. closed handle. Davey pattern 2.60



- Triangular.** Can be used at any angle. No. 11, \$2.00; No. 10 2.00
- Extra Blades for Triangular Saws** No. 11 and 10.30

SCYTHE BLADES. Finest grade of steel

- Bush.** Heavy blade, 18 to 22 in. 2.00
- Grass, American,** 28 to 32 in. 2.00



- Grass, English.** Riveted back, 32 in. 2.75



- German Style.** Blue steel blade, 32 in. 2.25
- Weed.** Best quality, 24 to 28 in. 2.00
- Sharpening Outfit.** Hammer and anvil for European blades 1.50

SCYTHE HANDLES. Made of best White Ash.

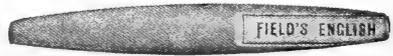
- Curved Style,** \$1.60; straight 1.50

SCYTHE or SHARPENING STONES—

- Carborundum, 10 in. \$0.30



- Carborundum File 1.00
- Darby Creek30



- English. Both ends pointed35

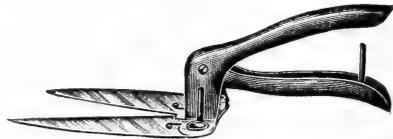
SHEARS, Border. Solid steel, 9 in.

- blades mounted on 2 wheels, 3 ft. handle. American horizontal style \$5.00; English vertical style 7.00

SHEARS, Grass. Made of best tool steel.



- No. 358. 5½ in.75
- No. 3075. English. 6 in. 2.50
- No. 3075. English. 7 in. 3.00



- Wiss-Klip Automatic.** Operates with a vertical movement, which does not tire the hand 1.35



- Wiss Grass Scissors,** Finest quality 1.25
- Burns Grass Shear.** Serrated edge .. 1.25

SHEARS, Hedge. Notched blades, hollow ground steel.

- Disston.** 6 in., \$1.50; 8 in., \$2.25; 9 in., \$2.50; 10 in., \$2.75; 12 in. 3.25



- English. 8 in., \$3.00; 9 in., \$3.25; 10 in. 3.50

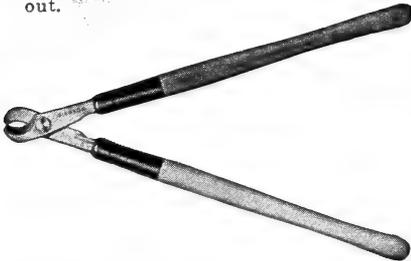


- SPIKE TAMP.** Reversible spiked tamping for cultivating lawns 4.50

MISCELLANEOUS GARDEN TOOLS—Continued.

SHEARS, Lopping

SHEARS, Lopping. Blades are best forged steel, handles do not pull out.



Bulldog. Curved blades, double cut \$3.00



English. Sheffield steel, 2½ in. cut.. 5.00

Disston No. 5. All steel 24-in. handles, wood grips. Double cut 3.00

Disston No. 9. All steel, 24-in. handles, wood grips. 4-in. cutting blade 3.50

Tiffany. 25-in. handle 3.00

SHEARS, Hand Pruning. All styles listed are made from the highest grade tool steel.

Dooklip. Operates with vertical movement and does not tire the hand. 1.00



Professional No. 157. 8½ inch. Drop forged, high carbon steel. Double riveted, detachable blade of alloy steel. Flat double leaf spring 3.00

Professional No. 156. Same with volute spring 3.00



Reiser No. 107. Carbon tool steel blade. Dull polish, leaf spring 1.75

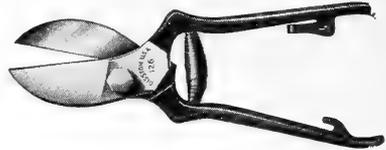


Home Garden No. 116. 9 inch. Blade of high carbon steel. Handles black lacquer finish. Blued volute spring 1.00

Wiss. No. 109. 9 in. volute spring ... 3.00

Wiss. No. 110. 10 in. volute spring .. 4.00

SHEARS, Hand Pruning—Continued.



Draw Cut, No. 126. 8½ in. drop forged heat treated blades. Snap cut does not bruise the bark. Volute spring 2.00

Snapcut, No. 100. Similar to above .. 1.75



French. Wheel spring. 6 in., \$1.50
8 in., \$2.50; 9 in., \$3.00; 10 in. 3.25



Flower Scissors. Holds the flower after cutting, nickel plated 1.50

Acme Flower Shear. Green handles.. .75

Grape Thinning Shears. Nickel plated 1.50

SHOVELS. Finest grade; either square or round point. D. handle, \$2.00
Long Handle, round point 2.00



Home Garden. Designed for home use. Its light weight and correct shape relieve the fatigue of digging 1.50

Snow Shovel. Small 75c; large 1.25

SICKLES, English. Sheffield steel... 1.00

German. Blue steel blade65

Austrian. Red handle, blue blade90



Pilgrim. Hollow ground razor steel.. .90



Saw Steel. Offset handle60

MISCELLANEOUS GARDEN TOOLS—Continued.

SICKLES—Continued

- SICKLE, Long Handle. Saves the back. 3 ft. handle\$1.00
- SICKLE, Grass Whip 1.00
- SEIVES. Sizes 1/8, 1/6, 1/4, or 1/2 in. mesh 1.60
- 3/4 in. mesh 2.50
- SOD LIFTER. English style with heart-shaped blade, 4 ft. handle .. 8.50
- SPADES, Flat Back. Full polished best grade 2.00
- Long Handle. Saves stooping 2.00



Curved Back. Round or square pointed 2.00



Boy's Size. Useful for all light work90

TREE PRUNER, One Piece. One piece poles made from straight-grained strong wood. Will cut a limb 1 1/2 in. diameter. 10 ft. 6.00



Jointed. 4-ft. sections, compound lever. 8 ft., \$6.50; 12 ft. 7.25

TREE SCRAPER. Three sharp, beveled edges75

Atkins. Extra heavy 1.50

TROWELS, Solid Steel. 6 in. blade.... .35



Forged Steel. 6 in. blade 70

True Temper. 6 in.60



Drop Socket. Finest solid steel made90

Stainless Steel. English 2.00



Transplanting. 6-in. blade, 25c; 8 in. . . 30

Transplanting, True Temper50

Hoe Shaped. 7 in. blade70

Hole-in-one-Planter.50

WEEDERS—



Dandelion Weeder. V-shaped blade for extracting dandelion, plantain, etc., from lawns. Short handle ... \$0.40



Eureka. Grip handle, 50c; 2-ft. handle, 65c; 4 ft. handle75

Excelsior. Five iron fingers20



Gem Fork. Three forged steel prongs. Grip handle50

English Weeding Fork, Heavy. Will last a lifetime; 18 in. handle 2.25

English Fork, Light. 15 in. handle.. 1.00

Hazeltine, Heavy50

Stainless Steel. Three heavy prongs, grip handle 2.00



Magic. 5 inch handle. 20c; 18 in. handle, 30c.

Magic. 2 in 1. Hoe and weeder, grip handle, 50c each.



Onion, Triangular. Short handle ... \$0.50



Out-U-Kum Weeder75

LAWN SUPPLIES

LAWN ROLLER—WATER BALLAST

A high grade, easy running roller for Lawns, Golf Courses and Tennis Courts. Can be filled with water or sand to the desired weight. Equipped with scraper to keep the surface clean. Round edges.

	Weight	Diam.	Length	Price
No. 1.	68 to 175 lbs.	14 in.	24 in.	\$11.50
No. 2.	82 to 265 lbs.	18 in.	24 in.	14.00
No. 3.	110 to 420 lbs.	24 in.	24 in.	17.50

LAWN SPRINKLERS

- Ring, Full.....\$1.00 Ring, Half...\$0.75
- Rain King. Model G..... 3.50
- Model D 2.50
- R. I. P. Whirling spray. Works on lower pressure than any other sprinkler 1.00
- R. I. P. Series Model 1.25
- Watergun. For watering roots of trees. 2.75
- Lawn Mower Grass Catcher. Will fit any make of mower. For 12 to 16 inch mower \$1.25
- 16 to 20 in. 1.50

Miscellaneous Supplies and Sundries

Aprons, Gardener's. Extra heavy rubber \$2.25
English Serge, With bib and pocket... 5.00
Blue Gingham 1.00

Baskets, Ash. Used for gathering flowers, berries, etc. Made to hold 6 or 8 standard quart berry boxes 6 qt. size, \$1.00; 8 qt. size 1.25

Berry, Wood. Pint size, \$1.10 per 100; \$10.00 per 1000; quarts, \$1.10 per 100; per 1000 10.00

Green Wax Cardboard. \$.125 per 100; per 1000 11.00

Oak 2 Bushel. These baskets are strongly made with heavy handles. Will take the place of a wheelbarrow on a small place for carrying leaves, rubbish, soil, etc. Price, \$2.50; 3 bu. 3.50

Oak Market. 16 qt. with handle 1.25

Celery Bleachers. By the use of these specially made tubes of heavy cardboard Celery can be easily bleached without banking with soil or boards. Easy to apply. 6½ in. diam., 12 in. high, per 100 6.00

Doplex-Glass Substitute. Glass substitute for hotbed sash; cut with scissors and put on with tacks. Width 3 ft. 5 lineal ft., \$1.50; 10 lineal ft., \$2.75; 50 lineal ft. 12.00

Florist Clips, Bull Dog. For fastening paper around bouquets, etc. Per 100075



Fruit Picker. Made of steel wire heavily galvanized. Easily attached to any pole60

Glass Cloth. A cloth substitute for glass. Transparent, waterproof and protective. Used for chicken coops, hotbeds, etc. Width 3 feet. 1 yd., 40c; 10 yds., \$3.50; 25 yds., \$8.25 100 yds. 32.00



Garden Line. Finest grade of white glazed line. Hank of 48 ft., 50c; per doz. hanks 5.00

Garden Line Reels. All metal style. Large size 2.25

Glass Cleaner. A powerful and quick acting cleaner. Gal. 3.25



Glass Cutter. Six changeable cutter points50

Glazing Points, Peerless. Sizes No. 2 and 2½. 1000 for 75c; 5000 3.50

Zinc. Peg style. Sizes ¾, ¾, ¾ in., lb.50

Gloves, Pruning. Strongly made leather gauntlets \$1.50
Rubberized. Men's or ladies' size50



National
Eazy Wear
Garden Gloves

Made of goat skin and tanned with lanin oil. Pair.. .75

Grafting Wax. For grafts, cuts and bruises. ¼ lb., 25c; ½ lb., 40c; lb... .60

Grinder, Household. A powerful compact machine. Carborundum wheel 4 in. diameter, 1 in. thick 3.50

Greenhouse Shading Paint. Gal. can... 4.00

Handles. Made from best Ash. Rake 5½ and 6 ft. length50
 T-shape, 3 ft.35
 Iron D Fork Handle75
 Wood D Fork Handle, English75
 Mattock Handle50
 Hoe Handle35
 Grape Hook Handle50
 Grading Hoe Handle90

Hose, Garden. Electric. Our moulded hose is made strong and durable and will last for years. Cheaper in the long run than lower priced grades. 50 ft., ¾ in., with couplings, \$12.50; 50 ft., ½ in., with couplings 11.50

Spray Hose. Made to stand the high pressure of power sprayers. ½ in., 35c per ft.; ¾ in., 30c per ft.

Hose Couplings. Perfect clinching. Easy to attach and will not tear the lawn. ½ or ¾ inch size, per set25

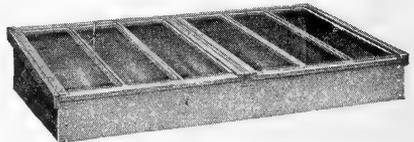
Hose Menders. Perfect clinching. quickest mender to attach on the market. ½ and ¾ in. size, each, 15c; doz. 1.25

Hose Nozzles.
 Greenhouse, 3 inch face 1.00
 Greenhouse, 4 inch face 1.25



Justrite60
 Flaring Rose75

Hotbed Mats. Frostproof mats of bur-lap for protecting hotbeds and cold-frames. 76x76 in. 4.50

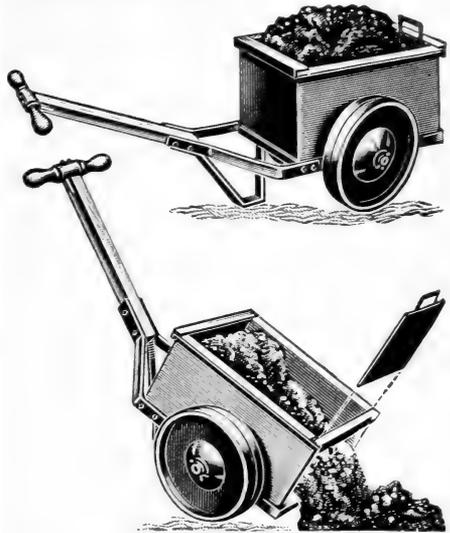


Hotbed Sash. Standard 3x6 ft., 3 rows glass. Iron crossbars and lugs. Best quality cy-press, all joints mortised.

	Each	Doz.
Unpainted and unglazed	\$.375	\$42.00
Painted and unglazed	4.00	45.00
Painted and glazed	6.00	70.00

MISCELLANEOUS SUPPLIES AND SUNDRIES—Continued.

Hydrometer. For testing lime-sulphur. Each	\$ 1.00
Mastica. Highest grade of glazing putty on the market. ½ gal., \$1.50; gal., \$2.75; 5 gals.	13.50
Mastica Machine. For applying Mas- tica	3.00
Putty Bulbs, Rubber. For Mastica, etc.	1.35
PAPER, White Wax. Per ream	2.50
Green Wax, per ream	3.50
Baffia. Pliable grass used for tying plants. Natural, lb., 40c; 5 lbs., \$1.85. Green color, lb.	1.25
Rubber Bands. Size 10 or 12. Lb., 75c; 5 lbs.	3.50
THERMOMETERS. Highest grade, for all purposes.	
Greenhouse (Spirit). 8 in. black case	1.25
Heavy Greenhouse (Spirit). 10 in. black case	1.75
Copper Case (Mercury). 10 in. case, large figures	2.50
Hotbed (Mercury). 16 in. case, brass point	3.50
Self Registering (Mercury). 10 in. brass case. Registers highest and lowest temperatures	6.50
TRAP, Mole. Little Giant. Self-setting, efficient, safe and sure	1.25
TWINE, Binder. Finest grade. 6-lb. ball, \$1.00; bale (10 balls)	8.00
Bestyet. Parcel post twine. Spool..	1.25
Blue Braid. Tube of 1000 yards ...	3.00
Cotton, White. 4 ply for bunching machine. ½-lb. ball .....	.30
Cotton, White. 6 ply. 2-lb. cone ...	1.50
Cotton, Green. 2 balls, 25c; doz. balls	1.50
Jute. Soft, 2 or 3 ply for tying plants. ½-lb. ball .....	.30
Silkaline. Highest quality of strong green thread for tying plants. Spool, 40c; 8 spools	2.75
Tan Linen. 1-lb. ball .....	.70
Wheelbarrows, Garden. All wood, strongly made. Special wooden wheels 2¾ in. wide. Sides remov- able.	
No. 3. Body 26 in. long, 19 in. wide, 12 in. deep	7.50
No. 2. Body 28 in. long, 20 in. wide, 12 in. deep	7.75
No. 1. Body 30 in. long, 24 in. wide, 12 in. deep	9.50
Rubber Tired Wheel for No. 2	9.50
Wheelbarrow, Greenhouse. Body 31 in. long, 18 in. wide in front, 15 in. wide in back, 20 in. steel wheel ...	9.25
Wheelbarrow Leaf Back, Wire. Collap- sible attachment to be used on wheelbarrow. Capacity 10 bushels leaves, grass, etc.	8.00

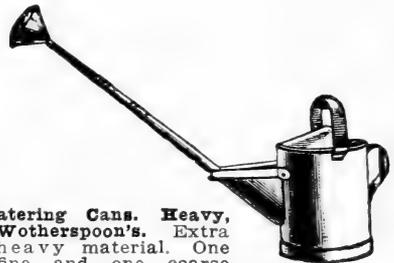


HAND DUMP CART. This modern, all-steel dump cart makes the wheelbarrow old-fashioned. Made entirely of steel, all the weight is supported on two wheels, each 2½ inches wide. Built low to the ground it saves energy in filling and dumping. Capacity more than two cubic feet, as much or more than the average wheelbarrow ...

10.00

BASKET WHEELBARROW. The handiest wheelbarrow for all light garden work. Light steel body with removable basket

7.50



Watering Cans. Heavy, Wetherspoon's. Extra heavy material. One fine and one coarse spray. 4 qt., \$5.25; 6 qt., \$5.50; 8 qt., \$5.75; 10 qt., \$6.00; 12 qt.

6.50

Extra Roses

.60

English Pattern, Heavy Oval. 2 copper-faced roses, one round and one oval. 6 ft.

8.00

Extra Roses

.75

Watering Cans, Light. 4 qt., 75c; 6 qt., 85c; 8 qt., \$1.00; 10 qt., \$1.25; 12 qt.

1.50

Sun Parlor Pattern. Two quart lacquered, with special bent spout; very decorative as well as useful. \$1.00, \$1.25, and

1.50

Copper, Antique. 1 pt. capacity

1.50

Flower Boxes, Pots and Plant Tub



PERFECTO FLOWER BOX

The Perfecto Flower Box embodies correct, scientific principles for raising luxuriant plants and flowers indoors or outside. Patented system with water entrance at both ends feeds water properly at roots of plants and circulates air beneath soil; keeps it from souring.

20 in. long, 6 in. deep, 7 in. wide	....	\$1.00
26 in. long, 6 in. deep, 7 in. wide	....	1.50
32 in. long, 6 in. deep, 7 in. wide	....	2.00
38 in. long, 6 in. deep, 7 in. wide	....	2.50
44 in. long, 6 in. deep, 7 in. wide	....	3.00

Hanging Baskets. Heavy wire, painted green.

	Each	Doz.
10 inch	.....	\$4.00
12 inch	.....	5.00
14 inch	.....	6.00
16 inch	.....	7.50
18 inch	.....	12.50

Seed Flats. Strongly made boxes for starting seeds indoors.

	Each	Doz.
20 in. long, 15 in. wide, 4 in. deep	.....	\$4.50
13 in. long, 5½ in. wide, 2¼ in. deep	.....	1.60

Seed Pans, Clay. Shallow clay pans for starting seedlings. Well provided with drainage holes.

	Each	Doz.
9 inch	.....	\$5.00
12 inch	.....	9.00

Saucers, Rubber. Will not rot, break or permit water to seep through to mar painted surfaces.

	Each	Doz.
4½ in.	.....	\$2.00
6 in.	.....	2.50
7½ in.	.....	3.50

PLANT TUBS—CEDAR

Strong, well made and painted green. Reinforced with heavy round, galvanized hoops. If handles are wanted add 25c to price.

Size	Diam.	Depth	Each
No. 2	7 in.	7 in.	\$0.60
No. 3	8 in.	8 in.	.65
No. 4	9 in.	9 in.	.70
No. 5	10 in.	9 in.	.80
No. 6	11 in.	10 in.	1.10
No. 7	12 in.	11 in.	1.25
No. 8	13 in.	12 in.	1.55
No. 9	14 in.	13 in.	1.80
No. 10	15 in.	14 in.	2.00
No. 11	16 in.	15 in.	2.25
No. 12	17 in.	16 in.	2.60
No. 13	18 in.	17 in.	3.15

ADCO MAKES MANURE. Adco when applied to a pile of vegetable matter makes excellent manure. See page 63.

Growell Peat Pots. Have an early garden this year by using Growell Peat Pots.

These pots are made from Pure Peat Moss and are used the same as ordinary clay pots. Their advantage lies in the fact that they are very retentive of moisture and do not dry out as quickly as clay pots; also, instead of becoming pot bound, the roots can grow through the Peat Pot and plants can be planted pots and all.



2¼ inch	.....	Doz. \$0.35	100 \$2.50
3½ inch	.....	.45	3.00
5 inch	.....	.75	5.50
6 inch	.....	1.00	7.00

FLOWER POTS—CLAY

Furnished in deep (Standard), half deep (Azalea).

	Pots Each	Pots Doz.	Pots 100	Sau- cers Each	Sau- cers Doz.
2½ in.	\$0.03	\$0.30		
3 in.04	.40		
4 in.06	.60	.03	.30
5 in.10	1.00	.04	.45
6 in.15	1.50	.06	.65
7 in.25	2.50	.08	.85
8 in.30	3.00	.15	1.50
9 in.50	5.00	.17	1.75
10 in.70	7.00	.25	2.50

Pot Hangers, Short. Adjustable holders to suspend clay pots. State size of pots. Each, 5c; doz., 50c.

IMPROVED Flower Pots NEPONSET



	Doz.	100	1000
2½ in.	.....	\$0.15	\$0.75 \$ 6.00
3 in.	.....	.20	.80 6.50
4 in.	.....	.25	1.25 9.50
5 in.	.....	.35	1.75 15.00
6 in.	.....	.40	2.00 18.00

Neponset Earth Bands. Square bands to be used in place of pots. Open at the bottom.

	100	1000
2x2x2½ in.	.....	\$0.50 \$4.00
3x3x3 in.	.....	.60 5.00



Steriloam is new fresh soil, sterilized to kill all harmful bacteria and weed seeds. The seed or seedlings you plant in Steriloam will have every chance for success. 10 lbs., \$1.25; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.00.

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Florida Humus

Florida Humus is obtained from a natural deposit of decayed, aquatic vegetation, which has accumulated for ages. It differs from Peat Moss and ordinary humus in that it consists almost entirely of organic matter and is practically free from sand, soil or coarse fibre.

Florida Humus is taken from under the water by a suction dredge and is entirely free from weed and grass seeds, gravel, clay or foreign matter; clean and odorless, it is packed in wire bound boxes and does not have to be broken up and screened before using.

Florida Humus contains approximately 3% organic nitrogen (the best source of nitrogen for plants). **Florida Humus** absorbs 5.81 times its own weight in water. **Florida Humus**, when mixed with Bone Meal and composted for one week showed three times as many soil bacteria as the best dairy manure, proving that it is an ideal medium for the growth of soil bacteria, so necessary to the growth of all vegetation. **Prices, delivered in Pittsburgh, 100 lbs., \$3.25; 200 lbs., \$5.50; ton, \$45.00. Write for car lot prices.**

Terms and Instructions for Ordering

Use Our Order Sheet. It will expedite filling and shipping your order if you use the enclosed order sheet. Please give full names of the varieties you want or, in the case of flower seeds, the correct catalog number.

Your Name and Full Address should be written plainly on every sheet. Also complete shipping instructions, and the name of your express or freight station, if it is required.

How to Send Money. Remittances can safely be made by post office or express money order, bank draft or check. Small amounts may be sent in stamps. If you must send cash or bank notes, register your letter.

Delivery by Parcel Post. We will deliver free by parcel post to any post office in the United States, all vegetable and flower seeds by the packet, ounce or pound, except Beans, Corn and Peas. For Beans, Corn and Peas, Bulbs and Miscellaneous Supplies, wanted by mail, add postage at your zone rate.

Express and Freight. Bulkier articles may be shipped by express or freight—please state which. If no instructions are given, we will use our best judgment. Express is quicker, but on heavy shipments freight is cheaper. Transportation charges are paid by customer. Perishable articles cannot be sent C. O. D.

We Ship Promptly. Allow a reasonable time; and then if your order is not received, notify us to trace it. Remember to allow plenty of time for freight shipments.

NOTE: Due to the uncertainty of the market on various products offered, all prices are subject to change without notice.

Non-Warranty The Beckert Seed and Bulb Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants it sells, and will not be in any way responsible for the crop. If purchaser does not accept goods on these terms, they are to be returned at once.

BECKERT SEED AND BULB COMPANY

502 Liberty Avenue

PITTSBURGH,

PENNA.

How to Care for Your Lawn

Nothing will add to the appearance and, for that matter, actually enhance the value of your home to such a degree as a well-made, well-kept lawn. It makes the most appropriate setting for trees, shrubs, and flowers, and helps to make a house "home."

SOIL. The soil for a fine lawn requires a very thorough preparation as the physical composition cannot be materially changed once the lawn is established. The ideal lawn soil is well drained, well fertilized and heavy enough to hold moisture without becoming soggy.

Raw subsoil exposed in grading should be covered or replaced by at least 8 inches of good top soil.

FLORIDA HUMUS is excellent material for making new lawns or repairing old ones. Florida Humus is 91.25 organic matter (Humus) and contains better than $3\frac{1}{2}$ per cent Nitrogen, therefore it combines in one material the advantage of both Peat Moss and a fertilizer. 100 lbs., \$3.25; 200 lbs., \$5.50, delivered in Pittsburgh.

FERTILIZING. Thoroughly rotted barnyard manure is the best fertilizer to mix with the soil before making a lawn, but unfortunately it is very difficult to obtain. Fresh manure is invariably full of weed seeds and should not be used. Pulverized Sheep Manure is an ideal lawn fertilizer. Apply at the rate of 100 pounds per 1000 square feet and as an additional fertilizer apply Bone Meal, 50 pounds per 1000 square feet. Sheep Manure and Bone Meal are best applied after spading and raked in. If barnyard manure is used, it should be dug in.

PREPARATION. Spade or plow as deeply as soil conditions permit; then rake roughly to fill in hollow spaces, removing all rubbish, coarse lumps and stones. At this stage, particularly if much grading or filling has been necessary, allow the ground to settle for a week or ten days before the final fine raking. This will also give weed seeds, that have been brought to the surface, a chance to sprout so that they will be killed by the final raking.

CHOICE OF SEED. High grade dependable lawn mixtures will, as a rule, give better results than the separate grasses alone. **B. S. & B. Co. Lawn Mixture** contains one variety that sprouts quickly, one variety that makes dense lateral roots, another that is deep rooting, and still another because of its ability to withstand drought. Our other mixtures, Evergreen, Shadyland, and

Terrace are made with the same care and will be found to be the best in the market for their particular purposes.

SEEDING. To insure a thick, even stand sow plenty of seed, 1 pound for each 250 square feet or an excessive quantity will do no harm. The best way to be sure of sowing seed evenly is to divide it in half and go over the plot twice, making the second sowing at right angles to the first.

COVERING THE SEED. The seeds in our lawn mixtures are very fine and should be covered lightly, in fact rolling with a medium weight roller to press the seed into the soil is the best method.

WATERING. It is often necessary in dry weather to water the lawn. This should be done in the late afternoon or evening to prevent scalding and a thorough soaking twice a week is better than nightly light sprinkling.

MOWING. Frequent mowings will help to produce a fine thick turf. Do not set the blades too close to the ground in hot weather.

ROLLING. All lawns should be rolled in the spring to bring the roots in firm contact with the soil and to level out bumps and hollows that have appeared over winter. An occasional rolling in the summer is also beneficial.

FEEDING. All lawns, new and old, require a top dressing or feeding in spring and fall, and we know of no better fertilizer to use for this purpose than Bone Meal, applied at the rate of 50 pounds per 1000 square feet. For summer feeding use one-half the above quantity and water thoroughly after applying.

RESEEDING. Reseed lightly in the spring and fall, even on well established turfs. Large bare spots should be dug up, well fertilized and reseeded, while small bare spots need only to be scratched deeply with a steel rake so as to make a fine seed bed.

THE USE OF LIME. Many of the finer turf grasses grow best on a slightly acid soil, so that lime should be applied only on very acid soil, as shown by the growth of green moss, plantain or sour grass. Apply at the rate of 50 pounds per 1000 square feet.

Evergreen Lawn Mixture

Our Evergreen Lawn Mixture represents the utmost in quality Lawn Mixtures. The different grasses used are all extra re-cleaned seeds and are selected for their value in producing a lawn of fine-leaved, dwarf growing grasses.

Carefully tested for germination and purity, this mixture cannot be surpassed for quick and lasting results. On soil which has been properly prepared, Evergreen Lawn Mixture will produce a close, vigorous, velvety turf remaining green throughout the season. One pound will sow 250 square feet.

Price, 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00; 10 lbs., \$3.75; 25 lbs., \$8.75; 100 lbs., \$33.00, postage or express extra.

Separate varieties of grasses are listed on page 58.

NON-WARRANTY. In accordance with the general custom in the Seed Trade, the Beckett Seed and Bulb Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants it sells, and will not be in any way responsible for the crop. If purchaser does not accept goods on these terms, they are to be returned at once.

BECKETT SEED AND BULB COMPANY

JOHN W. FORNOF, President and Treasurer
DOUGLAS EARL, Vice-President and Secretary
502 LIBERTY AVE. PITTSBURGH, PENNA.
Phone ATlantic 1129.

Beckert Seed and Bulb Company's Choice Lawn Mixtures



Your home deserves a lawn of smooth, velvety texture which will remain a deep emerald-green through the spring, summer and fall; a lawn that will bring out all the beauties of your shrubbery, trees and gardens, and provide the most appropriate setting for the house itself. Such a lawn is possible only by sowing the highest quality lawn mixtures that have been carefully tested time and again to prove their dependability.

B. S. & B. Co. Lawn Mixture

While our Evergreen Lawn Mixture surpasses by far the general run of Lawn Mixtures, we find there is a demand for a still better mixture. To meet this demand we have experimented with various formulas until we have developed a mixture which produces a lawn that compares favorably with the finest Bent Grasses but which at the same time does not require the special care and attention that Bent lawns require.

B. S. & B. Co. Lawn Mixture is composed of only the finest, thoroughly reseeded domestic and imported grasses in the proper proportions to produce a deep, springy, long lasting turf. Sow at the rate of one pound to 250 square feet.

Price, 1 lb., 55c; 2 lbs., \$1.00; 5 lbs., \$2.35; 10 lbs., \$4.50; 25 lbs., \$9.75; 100 lbs., \$37.00, postage or express extra.

Terrace Mixture

Terrace Mixture is, as the name implies, a special mixture for slopes and terraces. It is made up from a number of deep rooting, drought-resisting grasses, and once established makes a thick, long lasting turf.

Price, 1 lb., 60c; 2 lbs., \$1.15; 5 lbs., \$2.75; 10 lbs., \$5.00; 25 lbs., \$11.50; 100 lbs., \$43.00, postage or express extra.

Shady Lawn Mixture

A carefully blended mixture of those varieties of grasses whose natural habitat is shaded places. The best lawn seed to plant under trees and on the shaded sides of walls and buildings. Makes a thick, dense lawn where other grasses will not thrive.

NOTE.—Maple trees are gross feeders and large users of moisture, and their dense foliage keeps out both light and air. Particular care must be taken in fertilizing and watering to grow good grass close to the maples.

Price, 1 lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$11.00; 100 lbs., \$42.00, postage or express extra.