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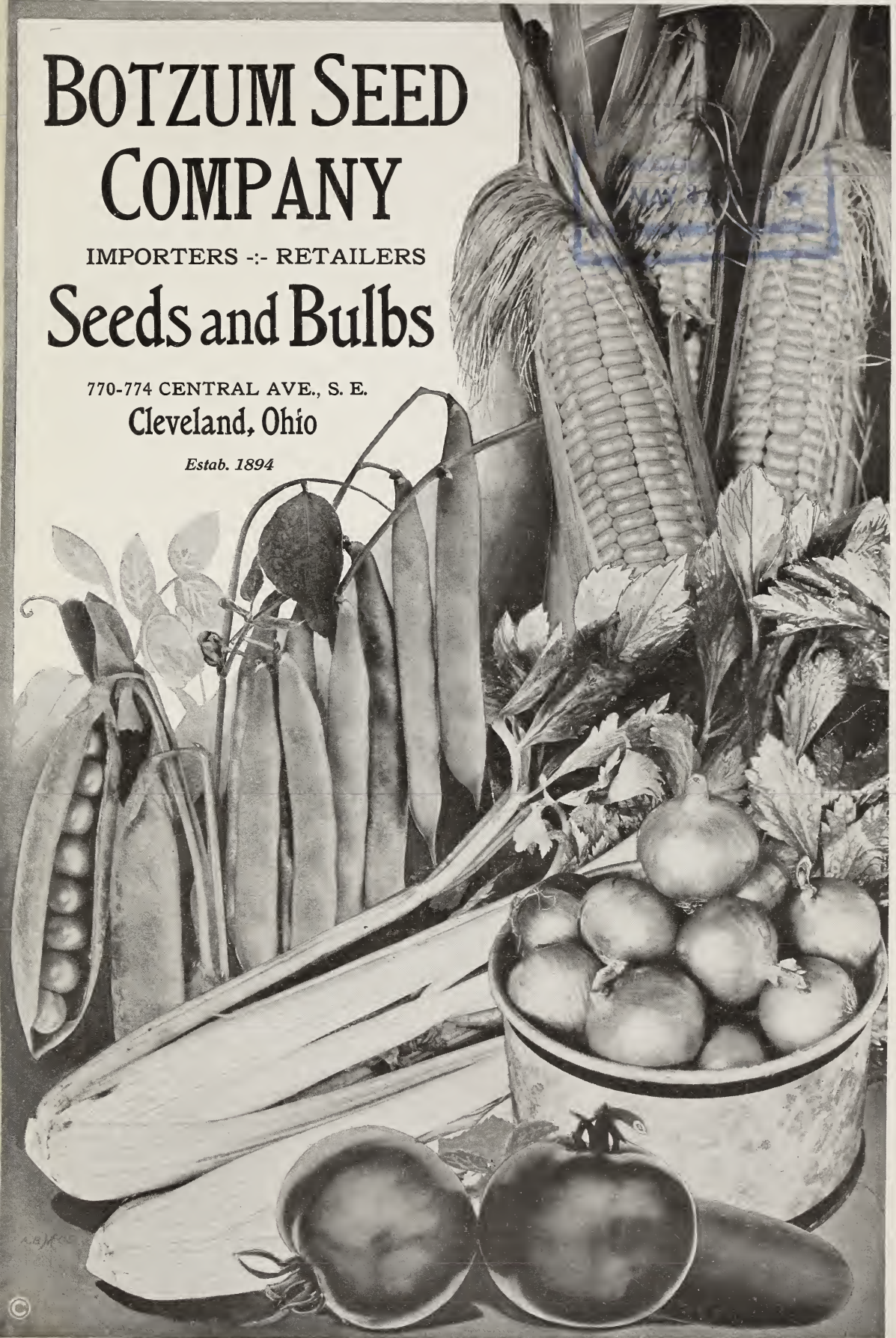
BOTZUM SEED COMPANY

IMPORTERS -:- RETAILERS

Seeds and Bulbs

770-774 CENTRAL AVE., S. E.
Cleveland, Ohio

Estab. 1894



Botzum Seed Company

770-774 Central Ave., between Woodland Ave. and E. 9th St.

Bell Phone, Prospect 2374

THIRTY-FIRST ANNUAL CATALOG

1925

It has always been and will continue to be our aim to supply only the best grade of Seeds, Plants and Bulbs obtainable and by a strict adherence to the broad principle of giving all purchasers the full worth of their money has our business grown from a small beginning, years ago, to one of the largest and most complete Seed, Plant and Bulb Establishments in Ohio.

We are organized and prepared to give the same prompt service to which our patrons were accustomed in pre-war times, but we call your attention to the conditions which are peculiar to the Seed, Plant and Bulb business, in that the great bulk of the season's business is crowded into a comparatively few weeks' time in the spring of the year. Under these conditions it will greatly aid in preventing undue congestion if our customers will send in and take delivery of their orders as early in the season as possible.

Many of our customers have been on the mailing list for more than a quarter of a century and our business shows an increase every year, and we will spare no effort to handle every order entrusted to us, no matter how small or how large, in a manner that will merit the continued confidence of the purchaser.

Instructions to Purchasers

When ordering **Beans, Corn or Peas** to be forwarded by mail, be sure to add 6c per pound for postage in the first and second zones. For third zone add 7c per pound, for all other zones add extra postage in proportion. See parcel post rates.

Packets and half-pounds of Beans, Corn and Peas are sent postpaid at prices quoted, and all varieties of Vegetable and all Flower Seeds will be forwarded free by mail at catalog prices unless otherwise noted. Grass Seeds, Clover Seeds, Miscellaneous Seeds, Plants, Tools and Supplies are not sent free by mail—see parcel post rates.

Order Early. It will greatly facilitate shipments if orders are sent early. We aim to send off all orders the day received.

Send the Money With the Order. Postal Note, Postoffice Order, Registered Letter, Express Money Order, or Draft on New York Bank. United States Postage Stamps will be received for small amounts; be exceedingly careful about the least moisture getting on them when remitting, as they sometimes reach us so stuck together as to be almost worthless.

We Do Not Send C. O. D. Everything being plainly priced, the return charge on money is an unnecessary expense.

PARCEL POST RATES

Zone	First Lb.	Each Additional Lb.
1st and 2nd—150 miles	5c	1c
3rd—150 to 300 miles	6c	2c
4th—300 to 600 miles	7c	4c
5th—600 to 1000 miles	8c	6c
6th—1000 to 1400 miles	9c	8c
7th—1400 to 1800 miles	11c	10c
8th—all over 1800 miles	12c	12c

Poisons cannot be sent by mail. Liquids and goods packed in glass should be sent by express.

NON-WARRANTY. Sometimes, though not often, our seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, too cold weather or a baking sun which forms a crust too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our hands; neither can we fully control anywhere or at any time the operation of natural law as it affects seeds; therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be at once returned.—BOTZUM SEED CO.

Novelties and Specialties in Vegetable Seed

NEW "GREEN TOP" BLOOD BEET

BOTZUM'S WINTER KEEPER. This new Beet is almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet, and tender at all stages of growth, regardless of size. The tops are green—all the color remains in the Beet. Store it in a cellar or pit until Spring, and it will cook more tender and sweet than ordinary varieties will when taken from the garden. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.**

NEW EXTRA EARLY CABBAGE

GOLDEN ACRE. This is an extra early strain of Copenhagen Market maturing about ten days earlier. It will mature heads in eighty days from time of sowing, measuring nine inches in diameter, with a uniform weight of five pounds. Height of stalk is two inches and entire plant consists of thirteen leaves which allows close planting. **Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50.**

BARDEN'S WONDER BANTAM SWEET CORN

This new Sweet Corn is truly a wonder. It is a cross between Golden Bantam and a large white sort, thus combining the rich, buttery flavor of Bantam with the size and tenderness of the longer white parent, having about the same maturing season as Golden Bantam. The stalks grow from five to six feet in height and have ears eight to ten inches in length, filled with eight rows of rich, golden colored kernels. It is a variety that will appeal to the critical market and home gardener. **Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.25.**

MASTERPIECE BEAN FOR FORCING

Especially recommendable for first-early crops outdoors and for forcing. The pods are extremely long, often 7 or more inches, slender, meaty, of deep green color, entirely stringless, and of a delicate flavor. Where an extra-early Bean is desired, this will fill the bill exactly. **Pkt., 15c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.**

HYBRID PERFECT WHITE SPINE CUCUMBER

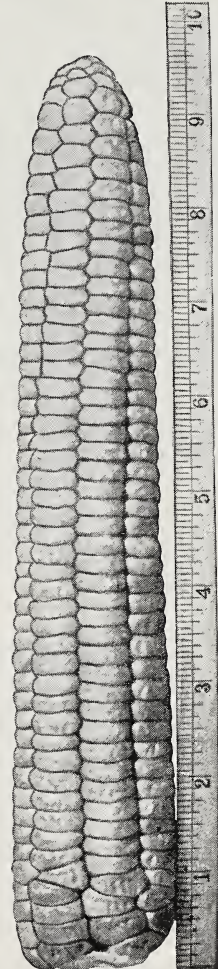
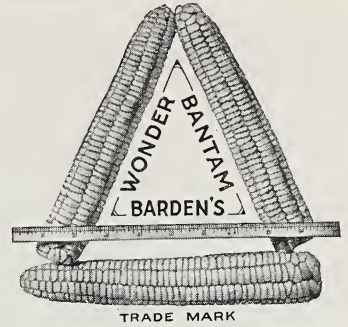
Hybrid Perfect White Spine is the result of a cross between an English forcing variety and our American sort, Evergreen White Spine, combining the fine appearance and shape of the English sort with the hardness and yielding qualities of the White Spine. The cukes are much darker in color than other White Spine varieties, holding this color remarkably well and also being of longer shape, and very symmetrical. **Pkt., 15c; oz., 30c; ¼ lb., 75c; lb., \$2.50.**

NEW MUSKMELON, HEARTS OF GOLD

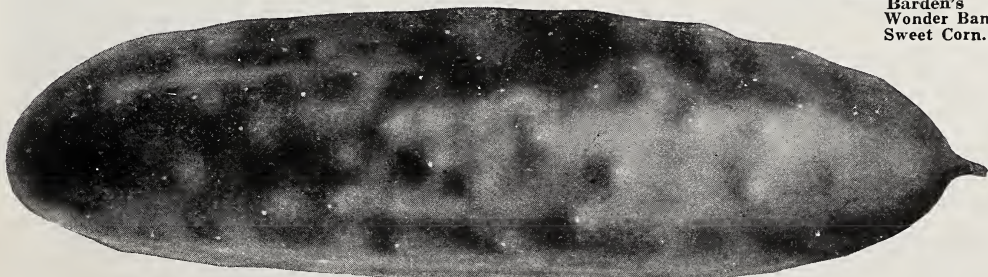
Thick flesh—beautifully netted—delicate lasting flavor. A fine little Melon; round, slightly inclined to heart shape, with very thick flesh of a rich orange color; juicy and deliciously sweet. **Pkt., 15c; oz., 25c; ¼ lb., 75c.**

CARTER'S EARLY EIGHT-WEEKS PEA

A remarkable super-first-early round-seeded Pea, growing 18 inches high. It may be sown on a warm, sheltered border at a time when snow is still present in other parts of the garden; the result will be Peas weeks before those obtained from the main seedlings with standard varieties. **Pkt., 10c; 1 lb., 35c; 5 lbs., \$1.50.**



Barden's Wonder Bantam Sweet Corn.



Hybrid Perfect White Spine Cucumber.



Botzum's High Grade Vegetable Seeds

For Home and Market Gardens

Every year we carefully revise our list of seeds, add a number of new sorts and discard all inferior varieties. Our selection will be found to contain everything really desirable and our stock of the highest possible quality.

Asparagus

Can be started by sowing the seed or setting out roots. A bed once properly made and planted, will last for years. Seed is sown as early in the spring as garden can be made. Plants can be raised easily from seed. When roots are one to two years old, set them 12 inches apart. The rows should be 8 to 10 inches deep, with width of 6 to 8 inches at the bottom. After spreading out roots, cover crowns with 3 inches of soil. With the growth of the shoots, gradually fill in with earth until level with surface. Cultivate carefully during the season. One ounce will plant 50 feet of row, and produce about 200 plants; 4 to 5 pounds to the acre.

PEDIGREED WASHINGTON ASPARAGUS

A new rust-resisting variety developed by the U. S. Department of Agriculture, at Washington, D. C. This high-yielding strain was finally obtained by continued selection of the best plants of the variety, Martha Washington, and produces large, straight shoots, dark green in color. The tips are tight and firm and do not open until well out of the ground, making the finest kind of green Asparagus. This Asparagus cannot be excelled, and will be selected by the most critical planters. Should you have an Asparagus bed, it will pay you to plant some of this sort and note the wonderful quality of the Pedigreed Washington. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

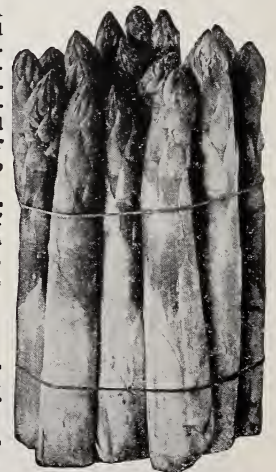
GIANT ARGENTEUIL. A selection from imported French stock; has become thoroughly acclimated, and in earliness, size and productiveness is pronounced superior to all other kinds. Pkt., 10c; oz., 15c; ¼ lb., 40c.

CONOVER'S COLOSSAL. A standard variety of large size and splendid quality; very tender. Pkt., 10c; oz., 15c; ¼ lb., 40c.

ASPARAGUS ROOTS

CONOVER'S COLOSSAL. Strong 2-year-old roots. 35c per doz.; \$1.75 per 100.

GIANT ARGENTEUIL. Strong 2-year-old roots. 35c per doz.; \$1.75 per 100.



Asparagus.

Brussels Sprouts

Grown as both an early fall and winter vegetable. Seed may be sown in a hotbed or cold-frame for an early crop, or outdoors early in May. Make rows 3 feet apart and have the plants stand 1½ feet apart in the row. Pkt., 10c; oz., 35c; ¼ lb., 75c; lb., \$2.50.

Beans

Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming. Two pounds will plant 100 feet of drill; 60 to 90 pounds will plant an acre.

DWARF WAX or BUTTER BEANS

WARDWELL'S KIDNEY WAX. A well known variety of unquestioned quality, planted by market gardeners as a main crop Bean. Matures in about 50 days from planting. A heavy yielder with quantities of long, nearly straight, broad, flat and thick pods of golden yellow color. A fine Bean for the home garden. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

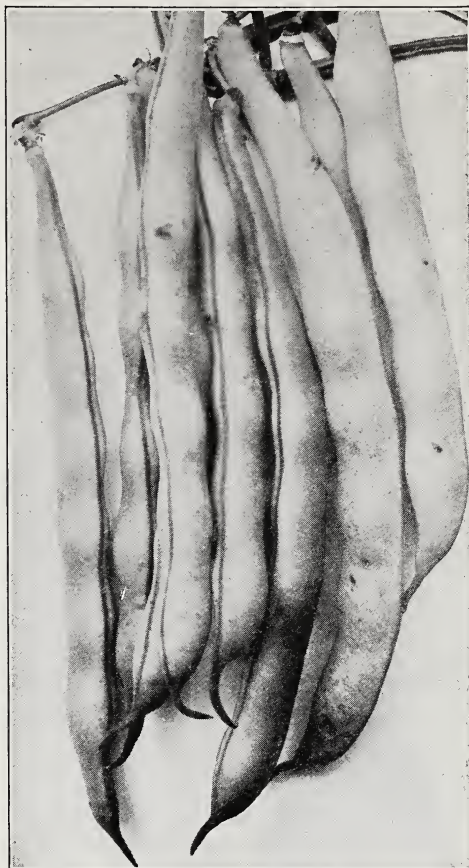
SURE-CROP STRINGLESS WAX. Very productive, bearing large, handsome golden yellow pods in great abundance, and being hardy, the seed may be planted early. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

GOLDEN WAX, IMPROVED. One of the best strains of Golden Wax. Prolific, of best quality; pods long, straight, thick and vines very erect. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

DAVIS' WHITE KIDNEY WAX. Very productive, white-seeded, rustless string or snap variety; long, flat pods, which are very tender while young. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

PENCIL POD BLACK WAX. Very early and prolific; pods round, meaty, brittle and stringless; deep golden yellow and excellent flavor. Bush is of dwarf growth. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

NEW KIDNEY WAX. A great improvement on Wardwell's Wax; more prolific bearer, pods large, vines of stout growth, loaded with beans. Very popular with all market gardeners who have become familiar with it. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**



Wardwell's Kidney Wax Beans.

DWARF or BUSH BEANS Green Podded Varieties

BOUNTIFUL. An Improved Long Yellow Six Weeks, in that it is earlier, more prolific, very much larger and more tender. Pods are flat, absolutely stringless, rich green, very large and handsome. Desirable for both early and late planting. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

IMPROVED EXTRA EARLY RED VALENTINE. One of the most popular string Beans. The long, round, slightly curved pods are of excellent quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

STRINGLESS GREEN POD. The very best quality. We have a selection of this favorite Bean which is absolutely stringless. The pods are very tender, thick, meaty and long. The plants bear well and always give satisfaction. Seed brown. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

GIANT STRINGLESS. A very hardy, stocky vine, pods long, round and green in color, of exceptionally fine quality and stringless throughout its entire growth. About a week earlier than Red Valentine and much more prolific. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**

REFUGEE or 1000 to 1. There is no dwarf Bean so prolific as our selection of Refugee. As many as 150 pods are sometimes found on one vine. These pods are long and green, becoming lighter in color as they mature. Not an extra-early Bean, but a hardy one, and extra-heavy bearer. Its quality is good. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.**



Bountiful Beans.

DWARF or BUSH BEANS—Continued**Green Podded Varieties**

BLACK VALENTINE. This variety is very productive. Pods are extremely long, round and straight, and are quite attractive in appearance. The quality is also good, pods being decidedly tender. Suitable for both early and late planting, being extremely hardy. It will withstand early and late frosts. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., 1.50.**

MASTERPIECE. This is a large, flat-podded variety, especially adapted for growing under glass though it may be grown successfully outdoors; a very quick grower; very prolific; pods long and very tender. **Pkt., 15c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.**

DWARF HORTICULTURAL. Pods large, color green splashed with red—mostly used for shell beans. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

Dwarf Varieties of Shell Beans

WHITE MARROWFAT. Grown for sale as a dry Bean for winter use; excellent shelled, either green or dry. **Pkt., 10c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00.**

NAVY. The old standard sort for winter use. **Pkt., 10c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00.**

RED KIDNEY. A well known, large, red-seeded variety of fine quality. **Pkt., 10c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00.**

DWARF LIMA BEANS

One pound will plant 100 feet of row.

FORDHOOK BUSH LIMA BEAN. "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable Bush Lima Bean. **Pkt., 15c; lb., 55c; 2 lbs., \$1.00; 5 lbs., \$2.25.**

BURPEE'S IMPROVED BUSH LIMA. This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods, and they mature a week earlier. **Pkt., 10c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.**

POLE or LIMA BEANS

KING OF THE GARDEN LIMA. Vines vigorous and productive, producing a continuous bloom and fruitage to the end of the season. The pods are of enormous size, some specimens measuring from 5 to 8 inches, some containing seven beans to the pod, all perfectly formed and of superior quality. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

CARPINTERIA LIMA. The Beans of this splendid Pole Lima have a greenish tint when ready for use, which is an indication of good quality. Vines are vigorous and make strong growth, producing large quantities of pods, containing four large Beans, which are thicker than the ordinary Lima, and retain their color even when in the dry state. The Beans cook nicely, and being thin skinned are exceedingly tender and of fine flavor. **Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65.**



Kentucky Wonder Pole Beans.

POLE or RUNNING BEANS

Two pounds will plant 100 hills.

KENTUCKY WONDER or OLD HOME-STEAD. The leading variety and excellent for snap-shorts, matures early and is very productive. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

KENTUCKY WONDER WAX. Well known favorite pod Wax Bean. Pods are 8 to 9 inches long, thick, slightly crease-backed, very fleshy, stringy but brittle. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

HORTICULTURAL or SPECKLED CRANBERRY. The best variety of this type. Pods 5 inches long, pale green, but become streaked with red when mature. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

DUTCH CASE KNIFE or WHITE DUTCH. Early, good yielder. Pods flat, long, of green color. **Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.**

LAZY WIFE. Good shell beans; long, thick, stringless pods. **Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.**



Fordhook Bush Lima.

Choice Table Beets

Beets, like all root crops, thrive in a deep, rich loam. Plant in drills 18 inches apart, thin to 2 to 3 inches in the row. The ground should always be freshly prepared for best results, so that seed will come in contact with the fresh soil, then press the soil down firmly over the seed. If weather is dry, good results can be had by soaking the seed in warm water over night.

CROSBY'S EGYPTIAN. A desirable extra early sort; valuable for forcing; very popular with market gardeners. The top is small, leaves are dark green mixed with red; leaf-stems and veins dark red. Flesh dark red. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

EARLY WONDER. Also a type of the Crosby's Egyptian that has given excellent satisfaction to the market gardeners. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.**

DETROIT DARK RED. This is the very best Beet for market and home garden. The quality is good, sweet and tender; deep red color; roots are turnip-shaped, with small tap root. This is the most desirable Beet for canning. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

EARLY ECLIPSE. Very early, root nearly globular, flesh bright red, zoned with white. Medium sized top. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

EARLY BLOOD TURNIP. Roots turnip-shaped, deep crimson, tender, and sweet. This is an excellent market and home garden sort for summer and autumn use. Good cropper. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

CRIMSON GLOBE. A very handsome variety of medium size, nearly globe-shaped, free from rootlets. The flesh is a rich, blood-red, of the best quality, sweet and tender, never stringy. One of the best. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**



Crosby's Egyptian Beet.

BOTZUM'S WINTER KEEPER. This new Beet is almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet, and tender at all stages of growth, regardless of size. The tops are green—all the color remains in the Beet. Store it in a cellar or pit until Spring, and it will cook more tender and sweet than ordinary varieties will when taken from the garden. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.**

Swiss Chard or Spinach Beet

This fine vegetable gives large returns for little care; it yields a constant crop from July until winter. Sow early in spring in rows 16 inches apart, and thin out to 6 inches apart in the rows. Try this splendid vegetable and you will always plant it. An ounce or two of seed is sufficient for the family garden.

GIANT LUCULLUS. A greatly improved variety with very large crinkly leaves and heavy mid-rib. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.**

Mangel Wurzel and Sugar Beets

For Feeding Stock.

Commonly known as the stock or cow Beet; grows mostly above the ground. Plow deep for this crop. In May or June sow in rows 2½ feet apart; thin to 10 inches. In the Fall the roots can be stored in pits or cellars.

MAMMOTH LONG RED. This is the heaviest cropping and largest of all Mangels. The roots are frequently two or more feet in length, by 8 inches in diameter. **Oz., 10c; ¼ lb., 30c; lb., 75c.**

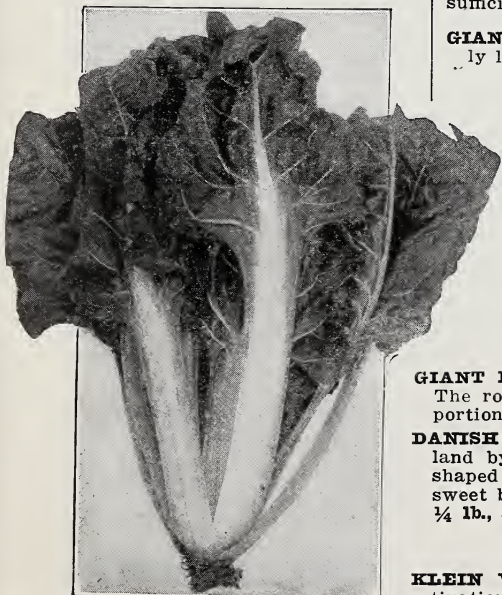
GOLDEN TANKARD. A smooth yellow-fleshed Mangel, circled with white; the roots are of large diameter, tapering quickly at the bottom. **Oz., 10c; ¼ lb., 30c; lb., 75c.**

GIANT HALF SUGAR. A fine variety for stock on account of its size. The roots are 10 to 12 inches in length; upper portion is pink; lower portion white. **Oz., 10c; ¼ lb., 30c; lb., 75c.**

DANISH SLUDSTRUP. This variety is more extensively grown in Holland by dairymen than any other. Its uniform growth of large, well-shaped Beets, rich in saccharine, its record for producing rich milk and sweet butter, has made it the popular Beet of that country. **Oz., 10c; ¼ lb., 30c; lb., 75c.**

Sugar Beets

KLEIN WANZLEBEN. This variety is without question the best in cultivation; not largest in size, but richest in saccharine matter. **Oz., 10c; ¼ lb., 30c; lb., 75c.**



Swiss Chard.

Cabbage

Cabbage requires deep, rich, mellow soil, high manuring, and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hotbed or in a box in the house the last of January or early in February; transplant into the open ground in April, in rows two feet apart and 18 inches apart in the row; or sow a bed of seed outside as soon as the soil can be worked.

GOLDEN ACRE. A new Cabbage, resembles the Copenhagen Market, as the head is perfectly round, and the leaves saucer-shaped, yet it is quite distinct. **New Golden Acre** excels the Copenhagen Market in earliness as it matures in only eighty (80) days from date of sowing, and no other Cabbage of which we know—including the earliest strain of Jersey Wakefield—has proven as early. We believe it to be the earliest Cabbage in existence. **Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50.**

COPENHAGEN MARKET. The earliest large round-headed Cabbage offered today. It is as early as Early Jersey Wakefield; heads perfectly round and very solid. It is very compact in habit, and can be planted as close as Wakefield. The heads all mature at one time, and will stand before bursting. Heads average about five pounds each. **Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.50.**

CHARLESTON or LARGE WAKEFIELD. From five days to a week later than Early Jersey Wakefield. Heads are larger, fully as solid, a little less pointed. An excellent variety to closely follow Early Jersey. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

EARLY JERSEY WAKEFIELD. The most popular pointed head Cabbage. Medium size, compact, solid and of excellent quality. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

EARLY WINNIGSTADT. An early pointed head variety of excellent quality, not as early as Wakefield, but larger. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

EARLY SUMMER. A second early with large, solid, flattish heads, coming in a few days later than the Wakefield; a sure header. The plant has a peculiar bluish tinge. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

ALLHEAD EARLY. Heads large and solid, flat, slightly rounded and of very compact growth, which makes it nearly all head. The quality is excellent, and it will remain in good condition longer than most varieties. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**



Copenhagen Market Cabbage.

ALL SEASONS. A good all-season variety. Heads large, round and mature early. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

GLORY OF ENKHUIZEN. A new Cabbage from Holland. A remarkably uniform heading variety for main crop, and a splendid solid good keeper. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.**

WISCONSIN HOLLANDER. Danish grown true stock. A "yellows" resistant strain of Cabbage. The disease resistant properties of this variety, however, apply only to that known as the "yellows." Although showing considerable variation in type, the plants resemble Hollander but are larger and more leafy and spreading. The heads are round or somewhat flattened and retain to a remarkable degree the solidity and excellent keeping qualities of the Hollander. For localities where Cabbage plants are affected by the "yellows" we earnestly recommend a planting of this new strain. **Pkt., 15c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00.**

SUREHEAD. Large, round, flattened heads; hard and of fine texture. Weighs from ten to fifteen pounds. Good keeper and shipper. Of fine quality; very popular. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

DANISH BALLHEAD. Very hard, solid head of fine quality. One of the best keepers. Best imported Danish seed. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00.**

PREMIUM LATE FLAT DUTCH. One of the most popular late sorts where a large head is desired. Heads are large, oval shaped, solid, of splendid quality and will keep a long time in good condition. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

HOLLANDER. Heads medium size, round and very solid; one of the heaviest varieties. An improved Danish Ballhead, Shortstem. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00.**

MAMMOTH RED ROCK. A large solid heading variety of a deep red color; fine for pickling. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$3.50.**

PERFECTION DRUMHEAD SAVOY. This is the best of the Savoys. Heads with large, crisp, wrinkled leaves. **Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$3.00.**

PE-TSAI (Chinese or Celery Cabbage). Used chiefly as a salad. Very palatable also if boiled like ordinary Cabbage. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$3.50.**



Danish Ballhead Cabbage.

Cauliflower

Cauliflower requires the same treatment and cultivation as cabbage and can be grown both early and late. Not so hardy as cabbage in resistance to either hot, dry or cold weather. They should have an abundance of water in the summer and protection during cold weather.

For early crop sow in hotbed in January or February and transplant when freezing weather is past. For late crop, sow in May or June and treat exactly like late cabbage. Set out the plants 15 to 18 inches apart in 3-foot rows. One ounce of seed will produce 2000 plants.

EARLIEST SNOWBALL. Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular of all sorts both for the market gardener and for home use. The plants are compact, leaves small, and can be adapted for close planting. Produces large size flowers pure white, of most excellent quality. Our strain of this is selected Denmark grown and can be relied on as one of the most satisfactory of all. Pkt., 15c; ¼ oz., \$1.00; oz., \$3.00; ¼ lb., \$10.00.



Earliest Snowball Cauliflower.

EARLY DWARF ERFURT. Similar in general characteristics to Early Snowball but not quite so early and somewhat larger in growth. It is especially desirable for field planting for late crop or as a second early crop. Pkt., 15c; ¼ oz., \$1.00; oz., \$3.00; ¼ lb., \$10.00.

DANISH GIANT. A comparatively new variety which is more heat resisting, and has been termed "Dry Weather Cauliflower." It is later maturing than either Snowball or Erfurt, but as it withstands adverse weather conditions, is extremely desirable especially for late use. Produces large sized heads; is of more robust growth than other sorts. Pkt., 15c; ¼ oz., \$1.00; oz., \$3.00; ¼ lb., \$10.00.

Carrots

The Carrot, like other root crops, delights in a rich, sandy loam, well tilled. For early crops, sow in spring as soon as the ground is in good working order, say April or May; for late crops they may be sown any time from the middle of June to July. Sow one-half inch deep in rows 12 inches apart, thinning out to three inches between the plants. As Carrot seed is slow to germinate, extra precaution must be taken to firm the seed in the soil. One ounce for 100 feet of drill, 4 pounds for an acre.

CHANTENAY. It is about six inches long, thick through and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is deep orange-red, fine-grained and of a splendid flavor. It is very early and always produces smooth shapely roots. Its fine appearance finds for it a ready market; its splendid table qualities keep it in demand. Our strain of seed is unsurpassed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

EARLY SCARLET HORN. The earliest variety, and best for forcing. The roots are orange-red in color, about three inches long, blunt pointed, very fine grained and of sweet flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

DANVERS HALF LONG. Very productive and adaptable to all classes of soil. The roots are smooth, of medium length, tapering to a blunt point, and of deep orange color. The flesh is tender and of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

OXHEART or GUERANDE. The best for hard, stiff soils. The roots are 4 or 5 inches long and very thick. The flesh is bright orange in color, fine-grained and sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

IMPROVED LONG ORANGE. A very popular main crop sort, with large sized, smooth, fine-grained roots. A splendid keeper. In deep light soil an enormous crop can be raised. This variety is grown extensively for stock feeding. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

LARGE WHITE BELGIAN. The lower part of the root is white; that growing and exposed above ground, green. It is exclusively grown for stock. Oz., 10c; ¼ lb., 30c; lb., \$1.00.



Chantenay Carrots.

Celery

Sow the seed (which is slow to germinate) in shallow boxes indoors or in a finely prepared seed bed out-of-doors in straight rows so that the small plants may be kept free from weeds. See to it that the seed is not covered too deep and that the bed is kept moist, almost wet, until the seeds germinate, as plenty of moisture is essential to get a satisfactory growth. The seed will not germinate well if planted in a hotbed or where subjected to a temperature above 60 degrees F. When plants are one or two inches high, thin out and transplant so that they may stand three inches apart each way. When they are four inches high, cut off the tops, which will cause the plants to grow stocky. One ounce of seed should produce about 3000 plants.

IMPROVED WHITE PLUME. An extra early and very handsome sort which is very popular with market gardeners, especially for very early crop. Leaves are light, bright green at the base, shading nearly white at the tip. As plants mature the inner stem and leaves turn white and consequently require less earthing and blanching before they are in condition to use or market. **Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.**

GOLDEN SELF-BLANCHING. This is not only a very early variety but one of the best for home use or market. It is not quite so early as White Plume but so much finer quality that it is generally preferred as a main crop sort. Plants are medium size, compact and stocky with yellowish-green foliage. As they mature the inner stem turns a beautiful golden yellow color and blanching is early accomplished. Being of handsome color, very crisp, tender, free from stringiness and of fine flavor, it is the leading sort grown. **Pkt., 10c; oz., 50c; ¼ lb., \$1.00; lb., \$3.25.**

FRENCH GOLDEN SELF-BLANCHING. Plant very stocky and full hearted, with broad ribs. Our strain is the best obtainable. **Pkt., 10c; oz., \$1.00; ¼ lb., \$3.25; lb., \$11.00.**

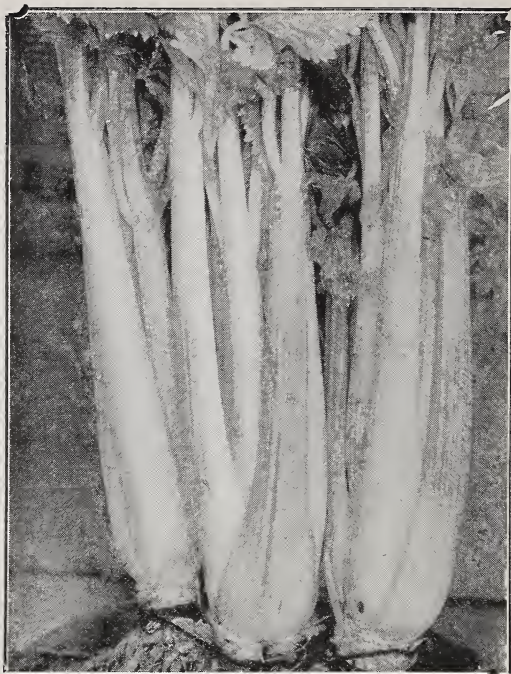
COLUMBIA. An exceptionally fine early variety, which for size and shape is unsurpassed. The plant is of medium height, but very stocky, foliage is of a light shade of green with yellow tinge, and the stalks are thick, almost round, and resemble Giant Pascal in shape, but are of a rich, yellow color, similar to the well known Golden Self-Blanching, which it resembles very much when trimmed and bunched. It matures early, and its exceedingly fine flavor and crispness will please even the most critical. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.50.**

EASY BLANCHING. One of the most valuable introductions of the past few years. It excels in quality, ease of blanching and also long keeping qualities. **Pkt., 10c; oz., 60c; ¼ lb., \$1.50; lb., \$4.50.**

EMPEROR. New. A quality variety—almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds) second early and a good Winter keeper. **Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.**

GIANT PASCAL. Is of a fine nutty flavor being entirely free from any bitter taste. It grows about two feet high; the stalks are very broad, thick and crisp, and entirely stringless. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

WINTER QUEEN. Of short stocky growth, with broad, heavy stalks. An excellent variety for winter use. When blanched, the stalks are of a creamy-white color and very attractive. Its flavor, crispness and long-keeping qualities combine to make this sort one of the best winter varieties. **Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.**



Golden Self-Blanching Celery.

Celeriac or Turnip-Rooted Celery

Produces large turnip-like roots which keep well for winter use; it is highly esteemed either cooked for flavoring soup or sliced and used with vinegar, making an excellent salad. It is cultivated like celery, little or no earthing being required. Ready for use in October.

GIANT SMOOTH PRAGUE. A very large and smooth variety. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

Chervil

CURLED. Leaves used for flavoring soups. **Pkt., 10c; oz., 20c.**

Chicory

WITLOOF (French Endive). The leaves and leaf-stems of this variety are blanched and used as a salad like Endive or Cos Lettuce. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

Cress, or Peppergrass

Sow early in the spring, rather thickly, in shallow drills, one foot apart, in the open ground.

DOUBLE CURLED. For salads and garnishing. Leaves are pungent. **Pkt., 10c; oz., 15c; ¼ lb., 40c.**

WATER CRESS. Scatter the seed on a muddy bank of an ever-running stream. **Pkt., 10c; oz., 50c.**

Collards

TRUE SOUTHERN GEORGIA. This is a tall, loose-leaved cabbage-like plant used for greens. This variety grows 2 feet high, and forms large, open heads. **Pkt., 10c; oz., 15c; ¼ lbs., 40c.**

Cornsalad, or Fetticus

One ounce will sow about 18 square feet.

BROAD-LEAVED (Large-Seeded). A delicious salad, used during the winter and spring months as a substitute for lettuce, and also cooked and used like spinach. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.**

Sweet Corn

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue every two weeks, until the middle of July, in hills 3 feet apart each way, covering about half an inch, and thin out to three plants to a hill. One pound will plant 200 hills; 10 to 12 pounds per acre.

BARDEN'S WONDER BANTAM SWEET CORN. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.25. (See Specialties, page 1).

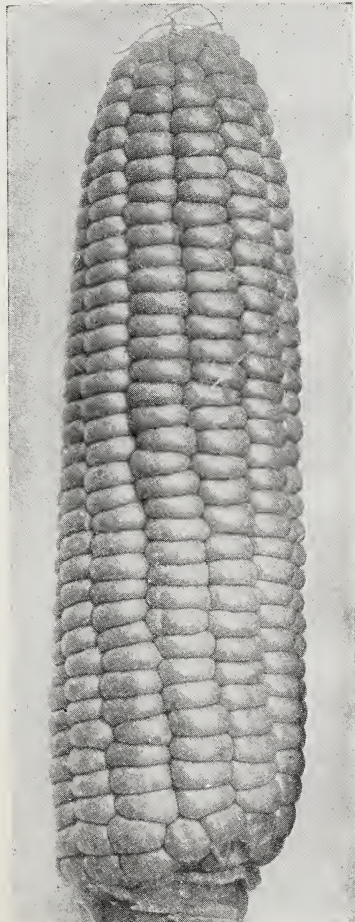
EARLY MAYFLOWER. The earliest and sweetest Corn to date. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

GOLDEN BANTAM. A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The flavor of this variety is rich and nut-like. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

EARLY MAMMOTH WHITE CORY. This very popular and desirable variety is identical with the Red Cory in both quality and earliness. The color of the Corn and cob, however, is white, and by many preferred on that account. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

EARLY MINNESOTA. A splendid second early variety that comes in just after Cory, maturing about July 27th. Fodder six feet; ears eight inches, slender, with little air space; kernels broad, fairly deep, and of fine sweet flavor. A very attractive market Corn. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

DE LUE'S GOLDEN GIANT. DeLue's Golden Giant excels all other early varieties in size, productiveness and quality and all the late varieties in quality and early maturity. It is the one Corn for the home or market gardener who wants the greatest amount of highest quality Corn in the shortest period of time from the smallest piece of land. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.



Golden Bantam.

KENDEL'S EARLY GIANT. The ears are large, measuring 8 to 9 inches long, thick throughout, with ten or more rows of plump and purest white kernels that are of most delicious flavor. It is ready to use in 65 to 70 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

HOWLING MOB. This is a splendid second-early Sweet Corn, with medium sized ears, measuring from 7 to 9 inches and having 12 to 14 rows of good sized pearly white kernels. The quality is extra sweet and tender and combined with its extreme productiveness makes this variety one of the best all around kinds for either the home or the market gardener. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

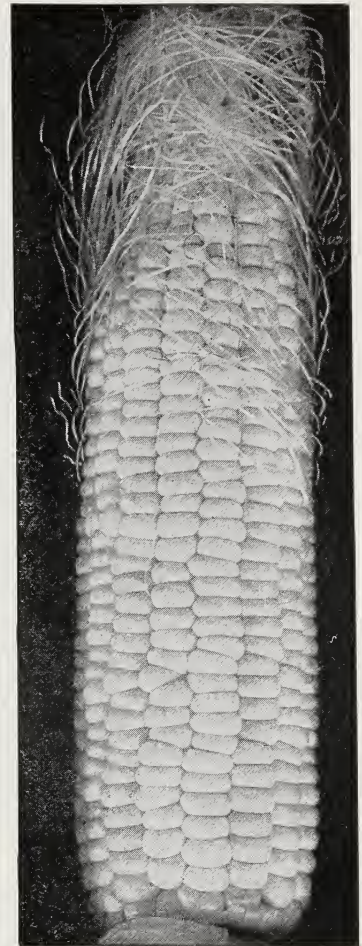
COLUMBUS MARKET. Ready for table with the second earlies. The ears carry an average of 16 rows of fine large, deep, white and very sweet grains, which are second to none in tenderness and flavor. Very desirable for home garden. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.50.

EARLY EVERGREEN. This excellent sort has proven its merits as the best evergreen strain that is distinctly earlier than Stowell's. The strain we offer has to a remarkable degree, all the qualities that have made Stowell's Evergreen the leading main crop Sweet Corn for so long a time. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

COUNTRY GENTLEMAN. This is sometimes known as Shoe-Peg from the small peg-like kernels, irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others. Excellent for home use and is popular in many markets where its fine quality is known. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

BLACK MEXICAN. Medium sized ears, black and white kernels; very sweet; late. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

STOWELL'S EVERGREEN, IMPROVED. This well known variety is largely planted for the late or main crop, and is very productive. The ears grow to a large size and grains are very tender and sugary. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.



Stowell's Evergreen.

Pop Corn

WHITE RICE. The most popular of the varieties with the Pop Corn men and to be recommended above the other varieties. Pkt., 10c; lb., 25c; 5 lbs., \$1.00.



Long Green Cucumbers.

Cucumbers

To have the earliest Cucumbers, start in pots, small paper boxes, berry boxes or on pieces of sod, grass side down, so that they can be readily transplanted without checking the growth. For the general crop plant in the open ground as soon as the weather becomes settled warm, about the end of April or during May, not over an inch deep, in hills about four feet apart each way. The hills should be previously prepared by mixing well-rotted manure with the soil. Put about ten seeds in each hill, and when all danger of insects is past, thin out to four plants, and give frequent but shallow cultivation. The fruit should be gathered when large enough, whether wanted or not, for if left to ripen on the vine it destroys its productiveness. For pickling plant in June or July. One ounce will plant 50 hills; two pounds one acre.

HYBRID PERFECT WHITE SPINE. Almost as perfect as a hothouse Cucumber. You will make no mistake with this splendid sort. The vines are vigorous, producing fruit early and abundantly. Fruits are uniformly straight, about eight inches long, vivid green color changing to and streaked a whitish-green at the tip. **Pkt., 15c; oz., 30c; ¼ lb., 75c; lb., \$2.50.**

DAVIS PERFECT. The originator claims that the Davis, when grown outside, will make fruits as near perfect as the finest greenhouse grown Cucumber. It is extra early, makes long, symmetrical fruits of ideal shape and of an intense deep green color, which it retains till almost dead ripe. **Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.**

ARLINGTON WHITE SPINE. When you see this Cucumber in your garden you will agree with us that it is as near perfect as one could wish. The fruits are of good shape, uniformly about 7 inches long, straight and of a rich dark green color. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

EARLY FORTUNE. Comparatively new type of Cucumber. It is superior in many ways to old types, since trial has proven it to serve equally as well for shipping, home garden or market use. It has that dark, rich green color which is so necessary in Cucumbers to bring a ready sale. Its flesh is very thick, firm and crisp with an exceedingly small seed cavity. It is worthy of trial, and to the market gardeners' trade we cannot recommend it too highly as a valuable crop to grow. Our seed is carefully selected and of superior quality. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.**

KLONDIKE. Originated in the famous Rocky Ford district, and is one of the best shipping varieties grown in that section which has become famous for both melons and Cucumbers. Very early, of desirable shape and keeps its color remarkably well. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

CHICAGO PICKLING. Preferred to all others by many for pickles because of its fine pickling qualities and dark green color. The fruits set quite early and continue throughout a long season. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

EXTRA LONG or EVERGREEN WHITE SPINE. Unexcelled in table quality. The flesh is unusually thick and seed space extremely small. Flavor is unsurpassed and meat is white, firm, and crisp. Vines are of vigorous growth with large, heavy foliage. The color is a rich, dark green. Size 10 to 12 inches in length, always straight, and never turns yellow. **Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.**

IMPROVED LONG GREEN. We have a greatly improved strain that grows 10 to 12 inches long, but makes the best of pickles when young; the full-sized fruits are best for sweet pickles and slicing. Dark green in color; firm and crisp; quality excellent. The vines are vigorous and produce fruits in great abundance. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

BOSTON PICKLING. This is a very prolific variety, largely grown for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

EARLY CLUSTER. Small vines that are very productive through a long period. The short, light green fruits borne in clusters of two or three, make the very finest sort of early pickles. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

GHERKIN. A very small prickly variety, used exclusively for pickling, for which purpose they should be gathered while young and tender. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.**

ROLLISON'S TELEGRAPH. A standard greenhouse variety. English greenhouse grown. In packets of 15 seeds each. **Pkt., 25c.**

JAPANESE CLIMBING. Ideal for growing on poles or trellises, taking but little room in the garden. Bears quickly and sets its fruit constantly throughout the season. Of extra fine quality; dark green color. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.**

Dandelion

The seed is sown one-half inch deep in the open ground as soon as it can be worked in spring, in rows one foot apart, thinning the plants to about three inches apart if grown for "greens."

FRENCH CULTIVATED or COMMON. A selection from and an improvement on the wild dandelion. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

IMPROVED BROAD-LEAVED. A much improved variety, by careful selection for size of leaf and for earliness. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.50.

Dill

Sow early in the Spring, thinly, in rows about 18 inches apart for hand cultivation or 30 inches apart if to be cultivated with horse. Cover seed about one-half inch. Dill is used in large quantities in the making of Dill Pickles.

LONG ISLAND MAMMOTH. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Egg Plant

Seeds are of slow germination and require moderate amount of heat. Should be started in hotbeds early in March. Transplant to 4 to 6 inches apart. Plant out in the open ground about May 20th, two feet apart in row and three feet between rows. Egg Plants are very tender and will not stand frost.

BLACK BEAUTY. The best of all. Fruits large, handsome shape and of a rich, glossy black color. It is as early as any, very productive and thornless. Our stock is excellent. Pkt., 10c; oz., 60c; ¼ lb., \$1.50.

NEW YORK IMPROVED LARGE PURPLE. Fruits large, good shape, and of a dark purple color; very productive, and spineless. Pkt., 10c; oz., 60c; ¼ lb., \$1.50.

Endive

For a first crop, sow about the middle of April; for succession, small sowings may be made every month until August when the main planting is made. Set out one foot apart.

GREEN CURLED. A hardy, vigorous growing endive with bright deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to a rich cream color. Highly esteemed for the home garden and used for salads. Pkt., 10c; oz., 20c; ¼ lb., 60c.

EVERWHITE CURLED. Blanches rapidly and is very tender. Pkt., 10c; oz., 20c; ¼ lb., 60c.

BROAD-LEAVED BATAVIAN (Escarolle). Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., 10c; oz., 20c; ¼ lb., 60c.



Black Beauty Egg Plant.

Kale or Borecole

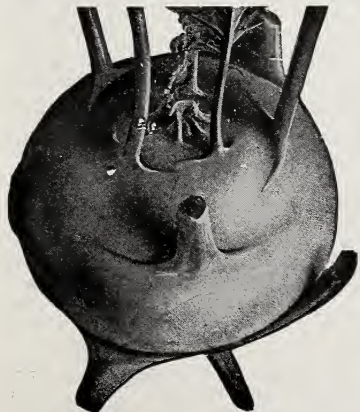
The Siberian and Scotch are the popular sorts for fall sowing. Sow from August 15th to October 15th, either broadcast or in drills 18 inches apart, and give some cultivation, and they will yield greens throughout the winter. One ounce will sow 150 feet.

DWARF GREEN CURLED SCOTCH. A very hardy variety. Sow early in June and transplant like cabbage in July. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

TALL CURLED SCOTCH. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

DWARF SIBERIAN KALE. A very heavy cropper, and a great favorite in this locality. Sow in August in rows 15 inches apart and harvest next April or May. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

DWARF GREEN CURLED. Leaves yellowish green, very compact and beautifully curled. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.



Early Purple Vienna Kohl Rabi.

Kohl Rabi Turnip-Rooted Cabbage.

For an early crop, start in a hotbed and treat the same as early cabbage. May also be sown as soon as the ground can be worked in spring. For winter use, sow in middle of June. The edible part is the bulb, which grows on a stalk a few inches above the ground. One ounce of seed for 1,500 plants.

EARLY WHITE VIENNA. The flesh is white and tender. Pkt., 10c; oz., 30c; ¼ lb., 75c.

EARLY PURPLE VIENNA. Differs from the above in color. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Leek

One ounce will sow about 100 feet of drill. **LARGE AMERICAN FLAG.** A strong-growing variety, producing large, thick stems of sweet flavor, when properly blanched. Pkt., 10c; oz., 25c; ¼ lb., 75c.



American Flag Leek.

Lettuce

CULTURE. There are two distinct classes of Lettuce. One forms heads like cabbage, the other produces a compact bunch of loose leaves; the loose-leaved varieties are the easiest to grow. All of them are of good flavor, crisp and tender. Sow the seed $\frac{1}{4}$ to $\frac{1}{2}$ inch deep in hotbeds or flats, during February or early March; prick the young seedlings out in flats or cold-frame several inches apart each way, and as soon as a nice rich, warm spot can be prepared in open ground in the Spring, transplant the well-hardened plants in rows a foot apart, allowing 8 to 12 inches space between the plants in the row. For succession sow seed thinly in open ground, and thin the plants to 5 or more inches apart; all varieties should be transplanted for the best results. Sow for succession every few weeks until the Fall. Some varieties do well in hotbeds or a cool forcing house during the Winter.

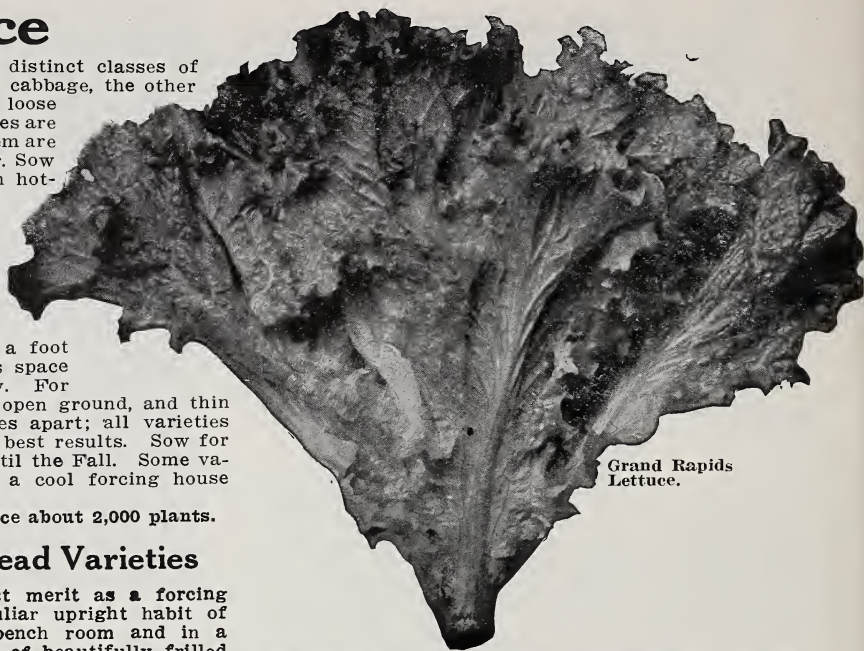
One ounce of seed will produce about 2,000 plants.

Curled or Loose Head Varieties

GRAND RAPIDS. Of highest merit as a forcing variety. Owing to its peculiar upright habit of growth, it economizes in bench room and in a short time produces a mass of beautifully frilled leaves of quality for the table or for shipping. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

BLACK-SEEDED SIMPSON. The best known and probably the most largely planted of any variety. Early, hardy, dependable, it is a favorite with market gardeners, both for planting outside or for growing under glass. The leaves are large, light green, quite crimped throughout but especially frilled at the border. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

EARLY CURLED SIMPSON. Standard loose-leaf variety, forming a dense growth but not heading. The leaves are light green, curled and good quality. A satisfactory sort for the home garden. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.



Grand Rapids Lettuce.

PRIZEHEAD. Well known, loose-heading Lettuce, quite distinct from most other sorts on account of its peculiar color, light green shading to bright reddish-brown. The leaves are somewhat crimped and grow more so at the border. In quality, tender and sweet. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Cabbage or Heading Varieties

BIG BOSTON. This is the best variety either for the big market grower or the home gardener. The heads are large and blanch to creamy-white. It is a sure header and stands a long time before going to seed. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

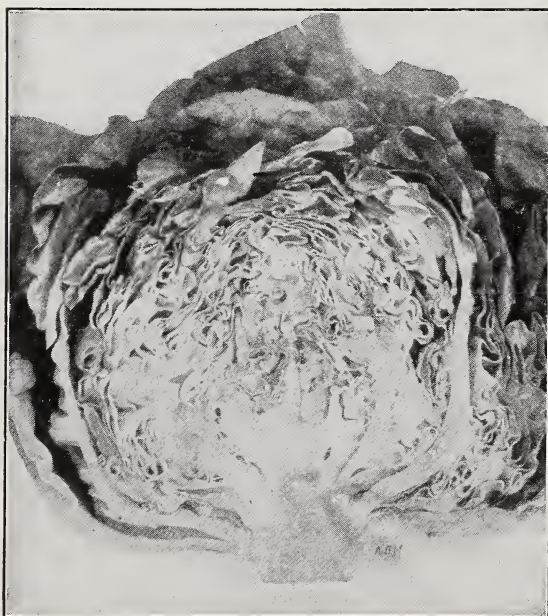
MAY KING. If you want a very first early Lettuce, plant May King. It is equally good for outdoor growing and forcing. The outer leaves have a slight brownish tinge, while the heart is a beautiful yellow. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

WAYAHEAD. It is not only earlier than May King, and other fine early varieties, but the tightly folded heads are generally larger in size. The outer leaves are a light green, with the inner head finely blanching to a rich buttery yellow. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

ICEBERG. Has an unusually solid head. The white, main ribs of the leaves curve toward the center, and keep the interior thoroughly bleached. It is quick growing and always crisp and tender whether propagated in early spring or in the hot days of summer. We believe that this is the best of the heading varieties. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

NEW YORK WONDERFUL. A great favorite with market gardeners around New York and other large cities. The plants are compact and of a very dark green. The leaves are borne upright and are rather smooth, forming a large, loose head. The quality is of the finest and the plants stay in their prime about ten days. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

UNRIVALED. Quite similar to Big Boston in form and habit of growth, differing in being of a slightly lighter shade of green and without the brownish tinge at the borders. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.



Big Boston Lettuce.

LETTUCE - Continued

Cabbage or Heading Varieties

IMPROVED HANSON. This is an exceptionally fine variety, attractive in appearance, and of the highest quality; good for either spring or summer crop. The leaves are curly and very crisp and the head is large. It also stands a long time before going to seed. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

CALIFORNIA CREAM BUTTER. Produces a large white head and withstands heat. The leaves are thick, dark green tinged with brown and spotted. The interior of head is rich golden yellow; quality very fine. It will form a large solid head under ordinary conditions. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

LARGE WHITE SUMMER CABBAGE. An old, standard cabbage-heading sort; heads globular, larger and well blanched; leaves broad, blistered and crisp; color medium green; quality fine. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

DREER'S ALLHEART. This excellent variety of Lettuce is in favor with both private and market gardeners. It is a very reliable, hard-heading variety of cabbage-lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head and is adapted for both spring and summer use. It withstands heat and forms large heads, leaves closely set, with a solid heart, even before it is half grown. Color yellowish-green; flavor rich and buttery. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

SALAMANDER. A splendid summer sort producing large, compact, light green heads of excellent quality. The leaves are broad, thick, somewhat crumpled, closely overlapped so that the inner ones are finely bleached. Withstands hot weather remarkably well. Is of fine quality and one of the best Summer sorts for home use. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

GOLDEN QUEEN. A forcing variety which makes a small, compact, yellow head, somewhat pointed and blanches up nicely. **Crop failure.**

Mustard

This is grown to a large extent in southern states. It is used the same as spinach or boiled with meat as greens. The white and yellow seeded variety is cultivated chiefly for medical purposes or flavoring. Can be sown during February, March or April, or in the fall during September or October, either broadcast or in rows six inches apart. Cut when three inches high. Sow one ounce to eighty feet of drill or broadcast at the rate of five or six pounds to the acre.

GIANT SOUTHERN CURLED. Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.**

FORDEHOOK FANCY. The dark green leaves of this variety are more curled on the edges than any other sort, making most attractive greens. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.**

WHITE ENGLISH. Leaves smooth and deeply cut; color dark. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

CHINESE BROAD-LEAVED. Twice as large as the White English, and more succulent. Ready in six weeks from sowing; sweet and pungent. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

Cos Lettuce, or Romaine

This is the lettuce that is served at the best hotels and restaurants under the name of "Romaine salad." It differs from ordinary Lettuce in the shape of the leaves, which are elongated, spoon-shaped and very crisp. It is grown in the same manner as cabbage Lettuce, but does not make a solid head. Sow seed early in the spring in good soil, and when plants have three leaves thin out to stand about four inches apart in the row, and when plants are of a sufficient size the leaves should be drawn together and tied, in order to blanch the inner ones.



TRIANON SELF-FOLDING. A self-blanching Cos Lettuce, very crisp and tender, and of excellent flavor. If the leaves are tied up the plant soon forms a solid head and bleaches to a pure white. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

PARIS WHITE COS, or ROMAINE. Very early; requires tying to blanch. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00.**

Trianon Self-Folding Cos Lettuce

Mushroom Spawn

To grow a crop of Mushrooms in your own basement cellar or well-built outbuilding, is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 to 65 degrees can be kept during cold weather.

AMERICAN MADE PURE CULTURE MUSHROOM SPAWN. A very superior article, made in this country from carefully selected spawn, which it is claimed is much more vigorous than the imported article and will produce Mushrooms of a superior quality and flavor. The popularity of Pure Culture Spawn is increasing rapidly, and many of the large growers are using it. They claim it is a surer crop. Amateurs have much the best results with this kind. **Brick, 35c; 10 bricks, \$3.00.**

Okra or Gumbo

This vegetable is extensively grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. Sow the seed thickly in rich ground, about the middle of May, or when the ground has become warm, in drills 3 feet apart, 1 inch deep; thin to 12 inches apart in drills. Culture otherwise much like corn. One ounce of seed for 300 plants.

PERKINS MAMMOTH. An exceedingly handsome variety of Okra, which is a great improvement upon other varieties heretofore grown. The pods grow 4 to 5 inches in length and are very tender, long, slim and of a beautiful deep green color. The habit of growth of plant is dwarf, and it is very productive. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

WHITE VELVET. Distinct in appearance; the large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plants dwarf, of compact, branching growth; very prolific. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.**

Muskmelon or Canteloupe

Good Muskmelons may be grown in almost any soil if it is skillfully handled; a sandy loam that was heavily manured the previous year for some other crop such as onions, or carrots, is ideal. Begin to prepare the soil early in spring. Late in May, when the ground is warm, plant the seed one inch deep in hills five or six feet apart each way, putting in eight or ten seeds per hill. Frequent and shallow cultivation is essential to success. Much trouble with insects is often avoided by starting the plants under glass. Plant the seed in berry baskets, pots or other containers from which the seedlings can be removed easily, and without disturbing the soil about their roots. One ounce of seed is sufficient for 50 hills; two pounds per acre.



Hearts of Gold Muskmelons.

HEARTS OF GOLD. Most highly recommended for commercial or private growers. Vines are strong, vigorous and disease resistant. Melons are of convenient size, fine appearance, and the deep orange colored flesh is of delicious flavor. Pkt., 15c; oz., 25c; ¼ lb., 75c.

EXTRA EARLY LAKE CHAMPLAIN. Lake Champlain is medium sized, nicely netted, flesh deep, sweet and melting, of golden yellow color. The plant is very vigorous and healthy, setting and ripening Melons even under adverse conditions, which totally destroyed other varieties. Being a marvel of earliness, productiveness and quality, it will at once prove profitable to either the home or market grower. Pkt., 20c; ½ oz., 50c; oz., 75c; ¼ lb., \$2.50.

BENDER'S SURPRISE. A very popular Melon in eastern markets. Flesh is deep orange, thick, and deliciously flavored; rind is light green changing to golden tint when ripe, heavily ribbed and netted. Pkt., 15c; oz., 40c; ¼ lb., \$1.00.

EMERALD GEM. Salmon flesh. This beautiful Melon is early and prolific. The skin is smooth, of a deep emerald green color. Pkt., 10c; oz., 15c; ¼ lb., 40c.

EXTRA EARLY OSAGE. It is one of the earliest and best Melons grown. The oval fruit is dark green, slightly ribbed and grey netted. The flesh is a rich orange-salmon, very thick and small seed cavity. Pkt., 10c; oz., 15c; ¼ lb., 40c.

FETOSKEY or PAUL ROSE. Fine for clay soil. Salmon flesh, size medium. Very early. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HOODOO. A new orange-fleshed variety, ideal as a shipping Melon and of the very finest quality. Vine vigorous, remarkably blight-resistant and very productive. Pkt., 10c; oz., 20c; ¼ lb., 60c.

TIP-TOP. A yellow-fleshed Melon of handsome appearance and excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 60c.

EXTRA EARLY HACKENSACK. A careful selection from Hackensack. A very early variety and used extensively throughout the Northern states; heavily netted, and has light green flesh of most delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 40c.

ROCKY FORD "Rust Resisting." The fruit is of medium size, oval shaped, heavily netted and very solid. The flesh is green, thick and juicy. It is early and wonderfully productive. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HONEY DEW. Flesh is green, thick, melting, fine grained and can be eaten almost to the rind. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Watermelons

COLE'S EARLY. Comparatively small Melon, almost round, color light green, with dark stripes. Flesh red, very juicy and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

KLECKLEY SWEET. The skin is dark green, faintly striped. Flesh bright red and peculiarly rich, crisp, of pleasing flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c.

TOM WATSON. The rind is thin, but very tough, and the flesh is a bright, attractive red color, of a sweet, delicious and satisfying flavor. Most desirable for both the home garden and the market. Pkt., 10c; oz., 15c; ¼ lb., 35c.

SWEETHEART. The fruits are very large, oval, pale green skin, attractively veined with a darker shade; the rind is thin but firm; flesh is deep red, very firm and sweet flavored. Remains in condition much longer than most sorts. Pkt., 10c; oz., 15c; ¼ lb., 35c.

FLORIDA FAVORITE. Oblong in shape, growing to large size; rind dark, with light green stripes; flesh light crimson, crisp and deliciously sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

PEERLESS or ICE CREAM. Of medium size; skin light mottled green; flesh scarlet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

HALBERT HONEY. The long fruits with blunt ends are very large and weigh often 50 pounds; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Onions

Culture. Be very careful about preparing the soil. It should be well pulverized and smooth. The richer the soil the bigger the crop will be. Sow the seed as early as the ground can be worked, in rows 12 to 15 inches apart, covering one-half inch deep. When plants are up cultivate thoroughly, keep from weeds, and thin to one inch apart in the row.

One ounce will sow about 150 feet of drill; 4 to 5 pounds per acre. For sets, sow 50 to 60 pounds per acre.

AILS CRAIG. The great English exhibition Onion. It is globular-shaped, slightly pointed at the top and base, color straw yellow. It grows to gigantic size. Specimens have been grown to weigh three pounds each. For best results, seed should be sown under glass and transplanted six inches apart in the row where they are to grow. Pkt., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$5.00.

PRIZETAKER. The large size and handsome appearance of this Onion makes it equally desirable for the home garden or for market. It is strictly "fancy" and will be found on fruit stands during the fall, where it is sold as Spanish Onion. The true Prizetaker is globe-shaped, has pale yellow skin and white flesh, which is very mild and of delicate flavor. No sets are required, as the large Onions are grown the first year from seed sown during early spring. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

DANVERS YELLOW GLOBE. This almost round shaped Onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is dark straw color and always produces a good crop, growing to a large size. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

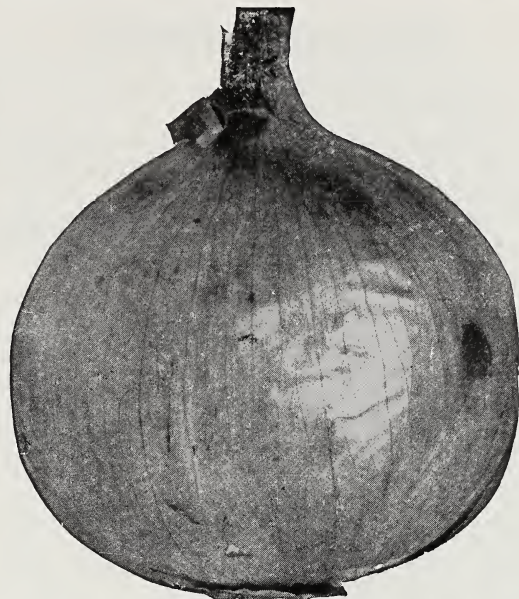
SOUTHPORT YELLOW GLOBE. A very large, handsome, globular-shaped, yellow variety, very productive, of mild flavor. The outer skin is beautiful, pale yellow; the bulbs are of a beautiful globe shape and good keepers. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

LARGE RED WETHERSFIELD. This is one of the best and hardest of all Onions. It will grow from seed to full size the first season, and the Onions are large, flat in shape, rather strong flavored, and excellent keepers. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

SOUTHPORT RED GLOBE. Beautiful globe shape; of medium size, a good keeper and of superior quality. This variety is very popular in some sections. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WHITE PORTUGAL. One of the leading white sorts. The bulbs are flat in shape, and mature early. Extensively grown for pickling Onions. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

WHITE GLOBE. Pure white color, and of very mild flavor. Also as good for keeping as the Yellow Globe. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



Yellow Globe Danvers Onion.

Onion Sets

As soon as the ground can be worked in the Spring, set in rows one foot apart and three inches in the row. For succession continue planting every two weeks.

WHITE BOTTOM SETS. Lb., 30c; 4 lbs., \$1.10.

YELLOW BOTTOM SETS. Lb., 25c; 4 lbs., 90c.

EGYPTIAN WINTER SETS. Plant in August. Prices subject to market changes.

Parsley

Used for garnishing and seasoning soups, meats, etc. Sow thickly in rows one foot apart and one inch deep, pressing down well after sowing. When well up thin to six inches apart. As Parsley will live through the winter, seed may be sown in the autumn for spring use.

CHAMPION MOSS CURLED. A very fine curled variety. One of the most handsome for garnishing purposes. The nice green curled leaves make it desirable. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

HAMBURG or ROOTED. The fleshy root resembles a parsnip. The leaves are used for soup, greens, and the roots are delicious when sliced. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

PLAIN or SINGLE. Leaves flat, deeply cut, but not curled. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

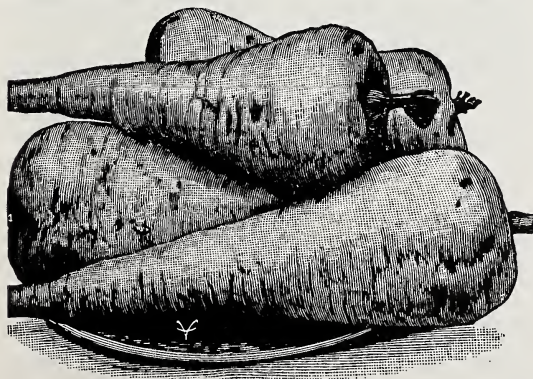
Parsnips

Sow seed early in spring, in deep, rich soil in drills. Scatter the seeds thinly and cover evenly with a rake. After the appearance of the plant, the soil must be stirred frequently until the leaves cover the ground. The seed is slow to germinate, and is frequently a long time in coming up; will vegetate sooner by steeping 6 to 12 hours in a liquid manure, diluted with water, and mixed with sand before sowing. When well up, thin out to 5 or 6 inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. One ounce for 200 feet of drill; 4 to 5 pounds for an acre.

LARGE SUGAR or HOLLOW CROWN. The best variety; roots long, very smooth, white, tender, sugary and of excellent flavor. This strain was made by careful selection of roots growing to an ideal shape and having the distinct hollow crown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Inoculation for Peas

Excellent results will be obtained by treating the peas with Inoculation Bacteria before planting. It can easily be done. We have had it put up in convenient size for small gardens. Price, 20c.



Hollow Crown Parsnips.

Garden Peas

One pound will plant about 50 feet of drill—90 to 120 pounds per acre.

Peas succeed best in light, dry, loamy soil. Early and Dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. From the first sowing, sow every two weeks until June for a succession.

Early Varieties

Carter's Early Eight Weeks. A new Pea developed in England. By far the earliest grown, coming into picking condition before any of the other extra earlies. It bears large, well filled pods on very dwarf, but vigorous vines, twelve to sixteen inches high. Especially desirable for the home gardener who wants Peas earlier than any of his neighbors. Pkt., 10c; 1 lb., 35c; 5 lbs., \$1.50.

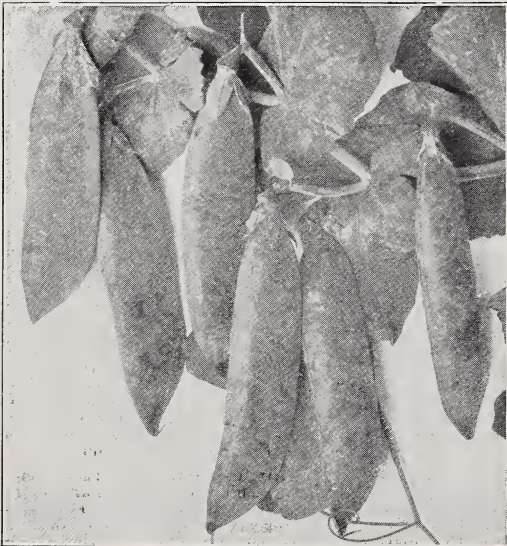
Alaska. A wonderful early, smooth, blue Pea; vines slender; pods very dark green, about three inches long, well filled with small, smooth, blue-green peas. The earliness, uniformity in ripening and deep color render it a desirable market and canning pea; height, 2 feet. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

Little Marvel. As early as American Wonder and Nott's Excelsior, the pods are larger and the vines produce a heavier crop. For quality and productiveness it is ahead of everything in the way of extra early wrinkled peas. It is dwarf, growing about 15 inches high, and the plants are very productive, bearing many twin pods, which are dark green in color. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

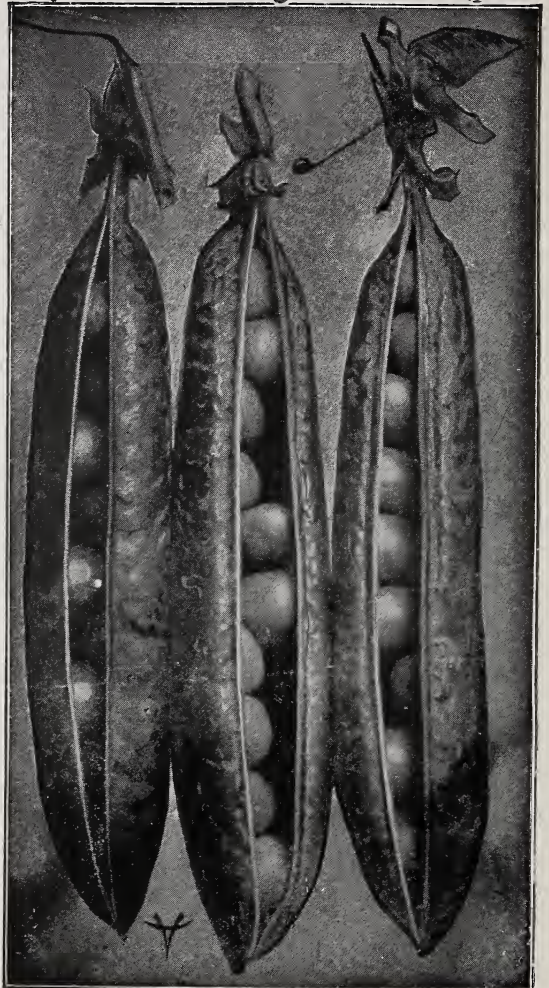
American Wonder. This variety stands unrivaled in point of flavor and quality. It is dwarf and robust in habit, growing from 10 to 15 inches in height, according to the soil. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.

Nott's Excelsior. A dwarf wrinkled Pea of the highest excellence. The pods average three inches in length and are well filled with peas of large size and unusually sweet flavor; height one and one-fourth feet. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.

Premium Gem. An improved Little Gem Dwarf, green wrinkled, very prolific; fine flavored, large pods, excellent either for market or home use; height, one and one-half feet. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.



Little Marvel Peas.



Gradus, or Prosperity Peas.

Gradus or Prosperity. This remarkable Pea is not only large and of the best quality, but is within two or three days as early as the small, round, extra early sorts. Gradus is a wrinkled Pea, growing about 30 inches high; the pods are of a bright green color, measuring 4 inches or more in length, as large as Telephone, well filled with luscious peas, 8 or more in a pod. The peas are of the highest table quality and retain, in a remarkable manner, their color and attractive appearance after cooking. Make the earliest sowing in the warmest spot in the garden. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

Thomas Laxton. A cross between Gradus and one of the extra early sorts. It ripens within a day or two of the earliest round varieties, and is extremely productive. The pods are very large and contain 7 or 8 large-sized wrinkled peas of the finest flavor. It is darker colored than the Gradus and harder in constitution; height, three feet. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

Blue Bantam. A splendid large-podded dwarf variety of the Laxtonian class. Height, 15 inches. Vine and foliage stout and healthy, medium dark green; pointed pods, deep green, 4 inches long, broad and straight, containing 6 to 8 deep green peas of excellent quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches high, and makes a long, broad pod, well filled. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

Pioneer. A fine variety of the type of Laxtonian. Large pods which are easily shelled and good sized peas of a good flavor. A variety which appeals to market gardeners as well as private growers. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.

GARDEN PEAS—Continued

LAXTONIAN. The pods of Laxtonian are very large, and are produced on a low growing, sturdy vine, without support of any kind. The flavor is just as rich and good as any of the later varieties. It is ready for use about a week later than the very early sorts, and is incomparably good in quality. Pods and plants are rich, dark green in color. **Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.**

MIDSEASON TO LATE

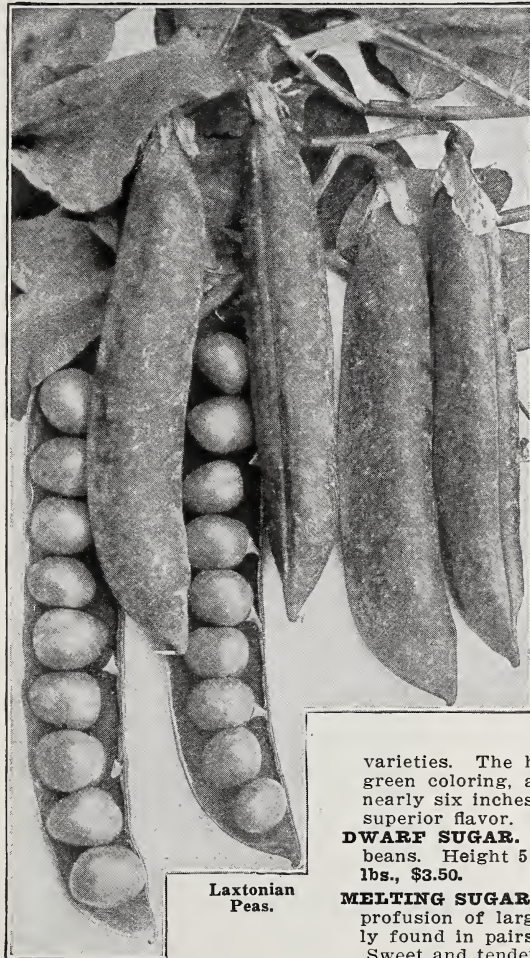
PRINCE EDWARD. A grand new late sort, producing very large, handsome, dark green pods, filled with eight to ten large, luscious peas. Pods frequently measure six inches long. Height five feet. **Pkt., 10c; lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.**

DWARF TELEPHONE or DAISY. A midseason variety; vines dwarf and produce large, bright green pods containing peas of finest quality. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.**

EVERBEARING. A prolific and continuous bearing Pea, giving it special value for both summer and autumn use; pods 3 to 4 inches long, containing 6 to 8 large, wrinkled peas, of rich flavor, sweet and tender. Three feet. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.**

IMPROVED CHAMPION OF ENGLAND. One of the best known of the older varieties; a tall growing, green, wrinkled marrow; quality unsurpassed; pods medium; peas large. Five feet. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.**

POTLATCH. A large podded variety of wrinkled Pea, which is very productive and of excellent quality. The vines grow to a height of about 20 inches; foliage is a healthy dark green color, and the crop matures in about 65 days. The pods, which are borne in pairs, are long, dark green and well filled with large peas. Because of its productiveness and fine quality the "Potlatch" will surely please all who plant it. Said to be an improvement on Stratagem. **Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.**



Laxtonian Peas.



Potlatch Peas.

Said to be an improvement on Stratagem. **Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50; 15 lbs., \$3.75.**

TELEPHONE. The favorite late variety; extra large pods. This Pea has proven to be a most valuable introduction. Vine large, coarse leaves, height about four feet. The pods are very large and filled with immense peas, which are largest of any. Tender, sweet and of splendid quality and flavor. A valuable feature of this variety is that it continues in bearing for an extremely long time. The stock we offer has been selected with every care, and will give satisfaction to the most exacting grower. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.**

ALDERMAN. A new Pea like the Telephone, only better. The vine is extra vigorous, and the pods of Alderman are dark green and always well filled with fine large peas. For a Pea which should be staked there is none quite so good as Alderman. It is one of the finest of the large-podded summer

varieties. The haulm grows five feet in height and is of a rich, dark green coloring, as are also the large pods. Pods frequently measure nearly six inches in length and contain from 10 to 12 very large peas of superior flavor. **Pkt., 10c; ½ lb., 20c; 5 lbs., \$1.50; 15 lbs., \$3.75.**

DWARF SUGAR. Edible pods. Can be used in a green state like string beans. Height 5 feet. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25; 15 lbs., \$3.50.**

MELTING SUGAR. This variety grows to the height of 5 feet, bears a profusion of large, broad, handsome, light green pods which are generally found in pairs, and are so brittle that they snap without any strings. Sweet and tender; cooked like wax beans. **Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75; 15 lbs., \$4.00.**

Pepper

One ounce will produce 1500 plants.

Culture. Peppers like a light, rich, warm soil for best results. They require about the same treatment as tomatoes. Sow seed in hot-bed or cold frame early in April. When weather is settled, transplant to well prepared ground, liberally enriched with well rotted manure. Or, start seed outside after danger of frost is past. Set plants in rows about two feet apart and cultivate freely.

World Beater. The fruit of this very desirable variety is of the same shape as the Ruby King, except that it is broader at the pointed end and grows to a larger size. The flesh is unusually thick, sweet and of a mild flavor. The color is a deep green when young, bright scarlet when ripe. One of the best large sweet varieties for mangoes or stuffed peppers. A good sort for market gardeners. Pkt., 10c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.00.

Chinese Giant. An enormous variety sometimes attaining six inches in diameter. It is very even in shape, flesh thick and sweet. Very handsome and of a superior quality for stuffing. Plants are vigorous and very prolific. Very highly recommended for home use and one of the most profitable to grow for market purposes. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

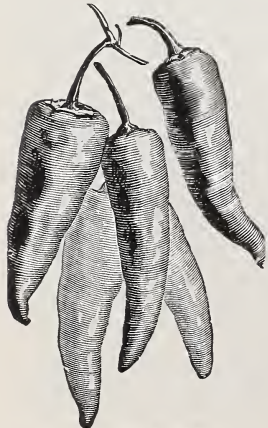
Pimiento. The fruits of this very productive sort are exceptionally smooth and glossy, of good size, medium length and attractive color. The flesh is very thick and solid, mild and of very fine flavor. Desirable not only for salads and stuffed peppers but it is also the sort used largely by canners. The plants are vigorous and upright, about two to two and one-half feet high, with short, broad, dark green leaves. The fruits are deep green when young, becoming deep red as they mature. Pkt., 10c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.00.

Ruby King. An improved American variety, very large and attractive. The plants are about two and one-half feet high, vigorous, compact and productive. The fruits are often four to four and one-half inches long and of deep green color when young, bright red when ripe. The flesh is thick and mild flavored. One of the best varieties for mangoes or stuffed peppers. Pkt., 10c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.00.

Large Bell or Bull Nose. Sometimes called Sweet Mountain. Plant vigorous, compact, very productive, ripening its fruit uniformly and early. Fruit large, of blocky form, with thick flesh, usually quite hot. Pkt., 10c; ½ oz., 35c; 1 oz., 65c.

Sweet Mountain. Grows to a large size; shaped somewhat like the Bell, but much larger; much used for pickling. The standard market variety. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

Early Red Squash or Tomato Shaped. Fruit small, flat, shaped like a tomato; skin smooth, glossy red; flesh thick, mild, somewhat pungent; early and very productive. Pkt., 10c; ½ oz., 50c; oz., 85c.



Long Red Cayenne



Pimiento.



Ruby King Pepper

Golden Dawn or Queen. The largest, most productive, and finest of the yellow-fruited peppers. The beautiful golden-yellow fruit is borne in great profusion on erect vigorous plants. It is very meaty, mild and strictly sweet. The golden yellow color makes an attractive contrast with the red peppers and suggests many ways to the resourceful housewife of making up tempting salads and dishes of various kinds. Pkt., 10c; ½ oz., 35c; 1 oz., 65c; ¼ lb., \$2.00.

Long Cayenne. A well-known medium early variety, having a slender, twisted and pointed pod about four inches long. Color is deep green when fruit is young, bright red when ripe. Very productive. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

Red Chili. A low-growing and very ornamental Pepper, with spreading branches, forming a dwarf bush 16 to 20 inches high, which bears great numbers of very pungent fruits. Pods usually erect, about 2 inches long, very narrow, pointed, and bright red when ripe. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

Inoculation for Peas

Excellent results will be obtained by treating the peas with Inoculation Bacteria before planting. It can be easily done. We have had it put up in convenient size for small gardens. Price, 20c.

Pumpkin

Sow in good soil in May, when the ground has become warm, in hills 10 feet apart each way, or in fields of corn about every fourth hill; plant at the same time with the corn. Pumpkin varieties, if planted together, will mix. There is not much danger of their mixing with squashes or other vines. One ounce for 25 hills; 3 pounds for an acre.

SUGAR or NEW ENGLAND PIE. (See cut). For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine-grained and of the best quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

CONNECTICUT FIELD. An immensely productive, large, orange colored, field Pumpkin, usually grown for stock feeding, but it also makes good pies. Flesh very thick, rich yellow, fine-grained and highly flavored. Usually planted with corn and very productive. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

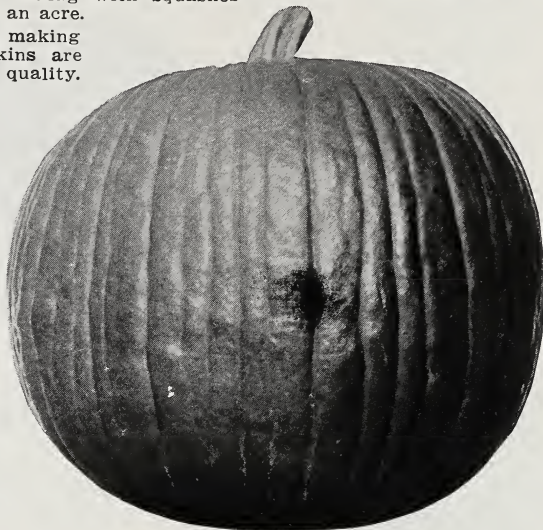
JAPANESE PIE. Is very productive, ripens early, of medium size, good keeper, and weighs 15 to 20 pounds each. The flesh is a rich salmon color. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CUSHAW CROOKNECK STRIPED. Grows to a medium size flesh light yellow, and is the best variety for table use. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

GOLDEN CUSHAW. Beautiful golden orange color; an improvement on the old Cushaw. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LARGE CHEESE. Skin orange, flesh yellow and sweet. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

KING OF THE MAMMOTS. The largest of all Pumpkins. Fruits grow to enormous size, shape almost round, skin orange colored, slightly rough. Flesh deep and of a bright yellow color, quality excellent. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.



Sugar or New England Pie Pumpkin.

Selected Seed Potatoes

NORTHERN GROWN STOCKS, SELECTED AND GROWN SPECIALLY FOR SEED PURPOSES.

Prices of Potatoes are subject to market changes and are forwarded by express or freight, as directed, purchaser paying charges. We assume no risk on Potatoes, and ship strictly on purchaser's responsibility. Sacks contain two and one-half bushels.

Potatoes are planted in rows 36 to 40 inches apart, dropping the potatoes 12 to 16 inches apart in the rows. Sheep manure or some other commercial fertilizer should be used in the drills even if the land is heavily manured as it will pay wonderfully well. It takes about one pound of fertilizer to 30 to 40 feet of drill, 400 to 600 pounds per acre. It takes 9 to 12 bushels to plant an acre, according to size of potatoes and distance of rows apart. Plant for early crop as soon as the ground can be gotten in condition. For late crop in July. Unless seed is free from scab and other diseases, it should be sterilized or disinfected. This can be done by soaking the uncut seed in a solution of formaldehyde for two hours and then drying. The formaldehyde is to be diluted at the rate of 1¼ ounces for each three gallons of water. The formaldehyde can be obtained in drug stores, is of slight cost, and is well worth the effort required to use it.

EARLY OHIO. The Early Ohio is fully two weeks ahead of the Early Rose, and is a general favorite with Potato growers and market men alike, and is the most profitable Potato you can grow. The sprouts are very strong, the vines grow erect and are easy to cultivate. Maturing early, it brings the highest prices and the land can be used for another crop after it; does well on any soil suitable for Potatoes. The tubers grow compact in the hill, are easily dug with very few small ones—nearly every Potato is of marketable size, has few eyes, which are even with the surface. Cooks dry and mealy. With heavy manuring, close planting and good culture, a very large and profitable crop can be expected.

EARLY ROSE. Every farmer and gardener knows the good qualities of the Early Rose Potato; its earliness, and what a good cooker it makes. On some markets the Early Rose is the quickest seller of any Potato.

IRISH COBBLER. A very early white Potato. Its large yields make it a very profitable crop to plant. It is the most popular by far of all the early Potatoes and should be the main early crop of every grower.

CARMAN NO. 3. Is always found in the list of the best varieties. Seems to be drought-proof, disease- and bug-proof. Always does so well and brings in such good prices for its fine appearance that it is a general favorite. It yields great crops of fine large, smooth Potatoes, even under the most unfavorable circumstances. Flesh is white and flaky. The clean white appearance of Carman No. 3 on the market is a great help to its sale.



PRICES ON SEED POTATOES ARE ESTABLISHED ABOUT MARCH FIRST.

Radish

For the home garden, sow on rich, sandy soil as early in the spring as it is fit to work. For forcing, sow in hotbeds having very rich sandy soil, made perfectly level. Scatter evenly over the surface from 60 to 150 seeds to the square foot, and cover with one-half inch of soil sifted on, and attend carefully to the watering and airing. If the bed is good, the whole crop can be marketed in 21 to 40 days after planting. In open ground culture, sow in drills twelve inches apart and thin, if necessary to prevent crowding. A good dressing of nitrate of soda will greatly stimulate growth and insure tender, brittle roots. Successional sowings from one week to ten days apart will keep up a supply. One ounce will sow 100 feet of drill.



Early Scarlet Globe Radishes.



White Icicle Radishes.

EARLY SCARLET GLOBE. A selected forcing strain especially adapted for greenhouse and hotbed culture, but may be grown outdoors also with the best results. The shape is a little longer than round and the color, which it holds long after pulling, is very brilliant and attractive. Has a small top and is very early, being fit to pull in three weeks and they remain fit for use longer than any other early variety. The flesh is white and tender, making it desirable for gardeners, whose markets demand a large first early Radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SPARKLER WHITE TIP. Quite similar to Scarlet Turnip White Tipped as to size and time of maturity. The root, however, is more round or ball-shaped, and the white extends further up on the Radish, and on this account is more popular in many markets. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

NON PLUS ULTRA, FORCING. Especially desirable for summer use. Shape round, short top, rarely pithy. Flesh white, crisp, tender. Best for summer home use. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

FRENCH BREAKFAST. Regular strain. A great favorite. Beautiful, bright scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. It is a fine table variety on account of its excellent quality and attractive appearance. Fine for open ground or forcing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WHITE ICICLE. The finest of the early, pure white varieties. Planted in the spring the Radishes are ready for pulling in about three weeks from sowing the seed. They are long and slender and clear, pure white, making them attractive when on sale and on the table. It is crisp and tender both when young and until it attains larger size, thus remaining in condition for use for considerable time. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

EARLY SCARLET TURNIP. White tipped. One of the best standard sorts for general use. Roots are turnip-shaped, of finest quality. Dark red color, with white tip. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CRIMSON GIANT. This new type attains a size more than double that of any other turnip variety without getting pithy or hollow. The pure white flesh is crisp, tender and mild. Sow thinly to allow full development. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

PHILADELPHIA WHITE BOX (White Ball). One of the best of the white varieties, either for forcing or out-of-door culture; more round than turnip-shaped; intermediate in size; always crisp, fine-grained and tender. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



French Breakfast Radishes.

RADISH---Continued



White Strasburg Radish.

CININNATI MARKET (The Glass). An improved strain of Long Scarlet, being slightly larger and with a very small top; roots 6 to 7 inches long, scarlet colored; flesh white, almost transparent, brittle and crisp. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG SCARLET SHORT TOP. Roots are smooth, tender and uniform in shape, about six inches long and of a bright carmine-red color; tops short and small; an old standard sort. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG RED CHARTIER or SHEPHERD. A very long, good summer sort. Color scarlet rose, shading to white at the tip. Remains in condition for use for a long time. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG WHITE LADY FINGER (White Vienna). An early maturing, long, white summer Radish; roots white, slender and smooth, are 6 to 7 inches long, tapering slightly at the top. This variety grows more above ground than Icicle and consequently is more or less tinged with green at the top of the root. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WHITE STRASBURG. One of the most popular summer sorts. Roots long, quite thick through. Color white. It remains solid for a long time after reaching maturity. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

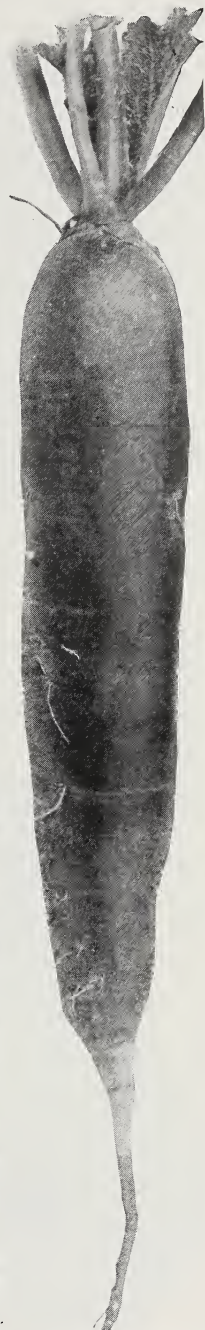
WHITE GIANT STUTTGART. The roots are large, top-shaped and frequently four inches in diameter and of equal length; of a clear white color; a fine summer or fall Radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

ROUND BLACK SPANISH. Roots are round, inclined to top-shape, and 3 to 4 inches in diameter; skin almost black, flesh white, crisp and pungent. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG BLACK SPANISH. One of the latest and hardiest varieties for winter use; roots 8 to 9 inches long, 2 to 3 inches in diameter, and nearly black in color. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

ROSE CHINA WINTER (Scarlet China). One of the very best winter sorts; roots are cylindrical, or largest near the bottom; stump-rooted or blunt at both ends; skin smooth and bright, deep rose color; flesh white, crisp and pungent; the roots grow 4 to 5 inches long and 2 inches thick. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CALIFORNIA MAMMOTH WHITE WINTER. The large white roots grow 10 to 12 inches long and 3 to 4 inches in diameter at the shoulder; tapering regularly to the tip; flesh crisp, firm and decidedly pungent. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



Cincinnati Market Radish.

Rhubarb or Pie Plant

Sow the seed in cold-frame in spring and as soon as the plants are large enough transplant into rows one foot apart each way and cultivate. The following spring plant out in rows four feet apart each way and work into the soil a liberal supply of well-decomposed manure. One ounce of seed will sow 75 feet of drill.

VICTORIA. The best standard sort. Yields immense crops. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

GOLIATH. Immense long stalks of a cherry red color; a most popular variety. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.

Rhubarb Roots

We specialize on Rhubarb Roots, grown from seed, as our experience has demonstrated them to be far superior to divided clumps

VICTORIA. First size roots. 15c each; \$1.50 per doz.; \$10.00 per 100.

Salsify or Vegetable Oyster

One ounce of seed will sow 60 feet of drill. Cultivate same as for parsnips.

MAMMOTH SANDWICH ISLAND. The largest and most succulent Salsify. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Sorrel

Seed sown in April in drills one foot apart and one-half inch deep will be ready for cutting during July. For early spring use the seed should be sown during August. The roots are entirely hardy and if not disturbed will remain for several years.

LARGE-LEAVED FRENCH. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Squash

Squash seed should not be planted until the ground has become thoroughly warm and the weather is settled. A rich, warm, mellow soil, is conducive to high yields and early maturity, but Squashes grow satisfactorily in almost any well-drained soil. If possible, enrich each hill with one or two forkfuls of rotted manure. For bush types, the hills should be at least four by four feet apart; for the running varieties ten by ten feet. It is customary to plant eight or ten seeds to each hill, and thin out, later, to two or three strong plants. During the early stages of growth keep the plants well sprinkled with tobacco or slug shot to make them distasteful to insects; the way to deal with the Squash vine borer is to cover the joints with an inch or two of soil so that the secondary roots may develop. One ounce of seed for 25 hills; 3 to 4 pounds to an acre.

MAMMOTH WHITE BUSH. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MAMMOTH YELLOW BUSH. Same as above, except in color, which is a bright yellow. Early and of good quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

VEGETABLE MARROW. The Marrow Squashes are largely grown in England, and should be more generally used in this country, as the quality is exceedingly delicious. A vine sort, shape oblong and will grow well anywhere if a liberal supply of manure is dug into the hills and plenty of moisture supplied. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

GIANT YELLOW SUMMER CROOKNECK. This variety is a very great improvement over the old variety in the enormous size and great beauty of its fruit; as their very attractive appearance commands the highest figure and prompt sales; it is of a beautiful golden color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

COCOZELLE OR ITALIAN MARROW. A very distinct variety, the skin smooth, of a dark green, marbled with yellow, or with pale green in stripes. The fruit is best when six to eight inches long; very popular among the Italians. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

SYMÉ'S BLUE HUBBARD. A new type of Hubbard and a very fine quality Squash. Fruit resembles the Warded Hubbard in size and shape, but the color is a clear green-blue and very distinct. Extra thick meated, fine grained, dry and of excellent flavor. Keeps as well as the other Hubbards. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

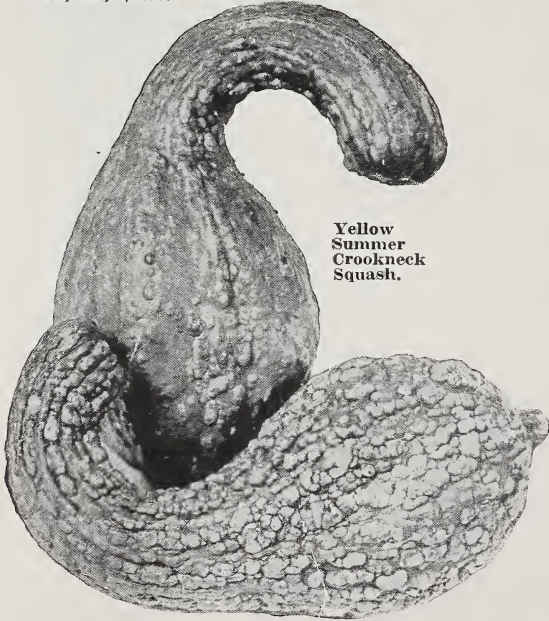


Mammoth Yellow or Golden Custard Bush Squash.

HUBBARD. D deservedly one of the most popular of the Winter Squashes. Oval shaped with both ends pointed; skin rough and dark green; shell very hard and tough; flesh thick, of bright orange color, dry, fine-grained and of superior flavor. Excellent for pies as well as for baking. An excellent keeper and will often keep through the entire winter. Our strain is especially selected and very fine. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

WARDÉD HUBBARD. A variety greatly esteemed by market gardeners, as it is one of the best sellers on market. It is larger than the original Hubbard, with larger warts. Our strain usually runs 10 to 14 inches in diameter, very productive, not quite as nice quality as the original Hubbard. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

RED OR GOLDEN HUBBARD. A variety similar to the original Hubbard, but with a deep salmon colored skin and smaller in size, being six to eight inches in diameter, 10 to 12 inches long, shell hard, flesh fine-grained and sweet; an excellent keeper. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.



Yellow Summer Crookneck Squash.

BOSTON MARROW. Follows the summer sorts in season, a good fall and winter sort. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

FORDHOOK. An excellent running sort for both summer and winter use. Vines are strong, vigorous growth and very productive. Fruits eight to ten inches in length, oblong, slightly ridged; smooth, yellowish skin. Flesh thick and light yellow in color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

DELICIOUS. A fall and winter variety. Color usually dark green but sometimes lighter in color and mottled; shell moderately hard but very thin; flesh thick, very fine grained, sweet and of finest flavor. Even when not quite mature is in condition for use and of good flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



Hubbard Squash.

Spinach

Sow in early spring, in drills a foot apart (10 to 12 pounds to the acre), every two weeks for a succession and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow seed of New Zealand in hills 2 feet each way, 3 to 4 seeds in a hill.

We are headquarters for Spinach seed, and supply annually the most critical customers. Buying as we do in such large quantities we are enabled to sell at correspondingly low figures.

KING OF DENMARK. A very large and vigorous type of compact, flat, spreading growth. The leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. The color is a very dark green. The most important point about this Spinach, however, is that it stands fully one month longer than any other variety before bolting to seed. In spite of this, it is quite early to mature, and it is ready for cutting most as soon as Bloomsdale. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., 85c.**

ROUND THICK LEAF. One of the very best sorts for early spring and fall sowing. It produces large, thick leaves, bright green in color, is a very heavy cropper and is one of the best for market gardeners' use. **Oz., 10c; ¼ lb., 25c; lb., 60c.**

BLOOMSDALE CURLED SAVOY-LEAVED. This is an old and well known variety which is exceedingly popular in all sections of the country, and is especially recommended for early winter use; the leaves are beautifully crimped or blistered and a very dark green color. **Oz., 10c; ¼ lb., 25c; lb., 60c.**

LONG STANDING. A deep green variety with rather elongated smooth leaves. Seed round. Stands a long time without running to seed even in hot weather. **Oz., 10c; ¼ lb., 25c; lb., 60c.**

VICTORIA. A second early, dark green, round-leaved sort, growing close to the ground. Leaves slightly crumpled in the center. Will stand some time without bolting to seed. **Oz., 10c; ¼ lb., 25c; lb., 60c.**

NEW ZEALAND. While not of the Spinach family, it is very popular because it produces an abundance of foliage. It is of vigorous growth, producing leaves throughout the entire summer, and is in no way affected by heat. Do not plant until the first of May, as the variety is susceptible to cold. Especially popular in the South, as it endures heat. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.**



King of Denmark Spinach.

Swiss Chard or Spinach Beet

Swiss Chard is a beet grown for its leaves. The mid-rib, when boiled, makes delicious greens, or the leaves may be boiled and served as spinach. Sown in the spring the leaves are soon ready to eat and will continue to grow all through the summer and fall. If given a little protection it will survive the winter and make excellent greens early in the spring. One ounce will sow 60 feet of drill.

LUCULLUS. A new variety with curled leaves like a Savoy cabbage. The plant grows nearly two feet high and the stem and leaves are very large and of fine quality. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.**

Sunflower

The Sunflower, during the past few years, has attracted considerable attention as a profitable field crop, its leaves being used for forage and its seeds for poultry and the manufacture of oil. It is also planted with satisfactory results on low, swampy ground, to avoid miasma.

MAMMOTH RUSSIAN. Striped seed. This is one of the best egg-producing foods known to poultry, keeping them in fine condition. For larger quantities inquire for prices. **Pkt., 10c; lb., 25c.**

Tobacco

Kentucky's Noted Crop

Our Tobacco Seed is carefully grown from the best types of the different varieties and is saved from center stems only.

Seed is sown in February in a plant bed which is protected with thin cotton cloth. About June 1st set in rich or highly fertilized ground in rows three and one-half by three feet. Cultivate often and worm and sucker as necessary.

HAVANA. A strain of Americanized Havana, good for cigars or smoking mixtures. **Pkt., 15c; oz., 75c.**

CONNECTICUT SEED LEAF. A quick maturing stocky sort, leaves moderate length and of good width. Good for fillers. **Pkt., 10c; oz., 50c.**



Bloomsdale Curled Savoy-Leaved Spinach.

Tomato.

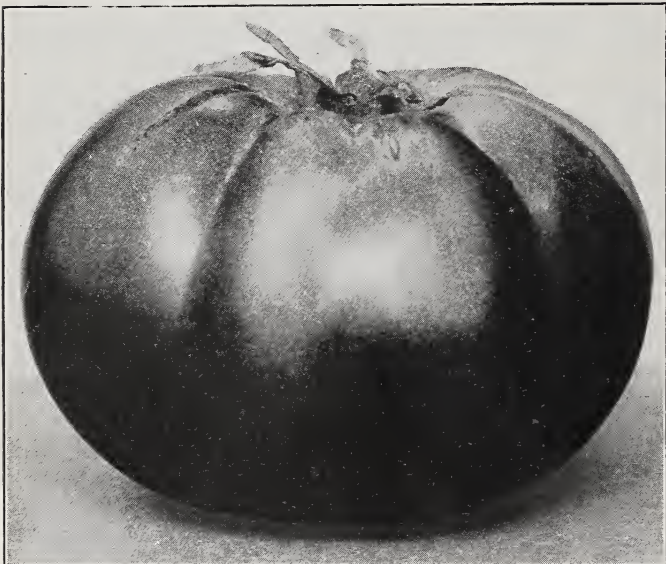
Good plants can be grown where a frame is not available from early February on in the house in pots or boxes. Where a hot-bed is handy sow the seed, giving good bottom heat, in February to March, and when the plants are three inches high, transplant into other frames about 4 to 5 inches apart each way, or plant into boxes which can be placed in the frames. Do not set the young plants in open before all danger of frost is over. The plants may be set four feet apart each way, using a large shovelful of well-rotted manure in each hill.

EARLIANA. Extra early and of excellent quality. Vines small but vigorous and productive. Fruits deep scarlet, medium to large, nearly round, and exceptionally smooth for so early a variety. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

JOHN BAER. One of the earliest bright red sorts and the most perfect high crown Tomato ever grown. The vines do not have much foliage, but are marvelous stem setters, commencing to bear early and continuing to produce fruit until cut down by frost. The fruit is smooth, solid, almost seedless, uniform in size, ripens right up to the stem and will not crack when dead ripe. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

BONNY BEST. A very early and desirable variety. Bright scarlet from outside to center. Vines strong and vigorous, producing a good crop of round, globe-shaped fruit which ripens more uniformly than other early sorts. A favorite with market gardeners. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

EARLY DETROIT. Largest and best formed of the early purple-fruited sorts. Vigorous and productive. Fruit is very smooth, uniform in size, firm, and excellent quality. One of the best shipping early varieties introduced. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.



Acme Tomato.

ACME. This is one of the earliest of the purple-fruited sorts. Fruit of fair size, smooth, solid, vigorous and hardy. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

BEAUTY. A decided favorite for either home, market or shipping purposes, being early, hardy, a strong grower and great yielder. Fruit large, always smooth, perfect in shape, and excellent in quality. The color is glossy crimson-purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Planted largely by market men and long distance shippers everywhere. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

STONE. One of the best standard sorts. Color bright red. Fruit large size, perfectly smooth and of best table quality. Much used for canning. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

TRUCKER'S FAVORITE. The finest large-fruited purple Tomato grown. Fruit continues of large size until the last, and is unexcelled for slicing or cooking. Try this. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

PONDEROSA. The largest Tomato. Decidedly the home gardener's favorite. A very fine variety. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

GOLDEN QUEEN. Large, yellow. Its fruit is smooth and of finest flavor. Ripens very early; handsome. The standard yellow variety. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

YELLOW PLUM. Fruit small, but little more than a half inch in diameter. Color deep yellow; flesh yellow and splendid flavor. Highly esteemed for preserving. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.



John Baer Tomatoes.

LIVINGSTON'S GLOBE. Very productive. Skin purplish-pink and fruits large; solid and of good quality. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

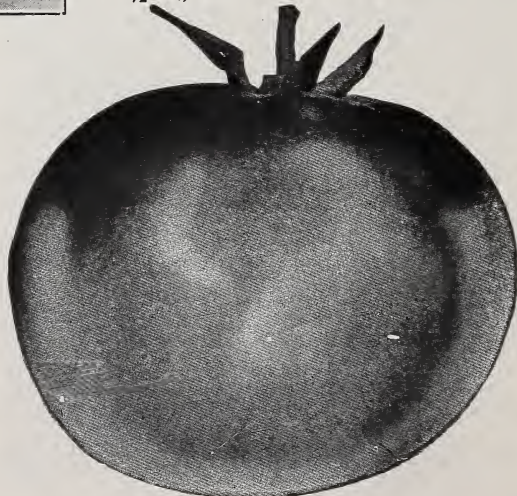
DWARF CHAMPION. Very compact and dwarf, growing strong and tree-like, so that the fruit is held up clear from the ground and does not require any stakes. Fruit purplish-pink, round, smooth, and one of the best for quality and flavor. Is medium early. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

FORCING TOMATOES

We provide the choicest strains obtainable for greenhouse work.

SUNRISE. Rich scarlet, medium size, and delicate flesh. Very prolific. Pkt., 15c; $\frac{1}{2}$ oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. Pkt., 15c; $\frac{1}{2}$ oz., 35c.



Bonny Best Tomato.



Purple Top White Globe Turnips.

Turnip

For early use, sow as soon as ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Rutabagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit, or pile in a conical form out-of-doors, in dry ground; cover carefully with long straw, and finish by earthing up with about 12 to 15 inches of earth, leaving a trench around the heap to carry off water. One ounce of seed for 150 feet of drill: one pound for an acre.

EXTRA EARLY WHITE MILAN. This variety is remarkably early. The tops are very small, strap-leaved, upright and compact, so that rows can be planted close together. The roots are clear white, very smooth, flat and are of best quality when only about two inches in diameter. The flesh is clear white, mild, sweet and tender. Very desirable for early use, especially for forcing. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

EARLY WHITE EGG. Matures very quickly and is adapted for either spring or fall sowing. It is egg-shaped, and very smooth with thin skin. The tops are small and roots which grow partly above the ground are of medium size, pure white skin and flesh which is fine grained and sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

PURPLE TOP WHITE GLOBE. A fine table Turnip. It is an early and heavy cropper, as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. This is also a good Turnip for stock feed, as it will grow to a large size if left for that purpose. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

GOLDEN BALL. A rapid grower of excellent flavor, globe-shaped, medium size; bright yellow color, good keeper and a superior table variety or for use in feeding stock. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

PURPLE TOP STRAP LEAF. This is probably more extensively planted than any other variety. It is a very early flat Turnip of medium size, the lower portion white and the upper part reddish-purple. The flesh is fine grained and sweet. A splendid table variety and desirable also for stock feed. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

SEVEN TOP. Grown extensively in the South for the tops, which are used for greens. It is very hardy and will grow all winter. As it does not produce a good root, it is only recommended for the tops. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Swede or Rutabaga Turnip

For Rutabagas, sow seed in seed-bed in spring and transplant to good, warm soil, in rows at least two feet apart and 8 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up the roots just before winter, top and store in cool cellar or pit outdoors.

AMERICAN PURPLE TOP. Very hardy and productive; flesh yellow, solid, sweet, good for stock or table use. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Herbs

Your garden is not complete without a few Herbs. They are used extensively for flavoring soups, meats, etc. Sow seed in shallow drills, one foot apart and thin out plants when well started.

ANISE. Used for garnishing and seasoning. Pkt., 10c; oz., 20c.

BASIL. Sweet. Used for highly seasoned dishes. Pkt., 10c; oz., 35c.

BORAGE. Leaves are used as a salad. Pkt., 10c; oz., 25c.

CARAWAY. For flavoring. Pkt., 10c; oz., 15c.

DILL. Leaves used in pickles and flavoring soups. Pkt., 10c; oz., 20c.

FENNEL. Sweet. Perennial leaves used in fish sauces and flavoring. Pkt., 10c; oz., 25c.

FENNEL, FLORENCE. Used for salads. Pkt., 10c; oz., 25c.

MARJORAM. (Sweet). Dried and used for flavoring for Summer and Winter use. Pkt., 10c; oz., 50c.

ROSEMARY. For seasoning. Pkt., 10c; oz., 50c.

SAGE. Leaves are used for flavoring and stuffings. Pkt., 10c; oz., 65c.

SAVORY, SUMMER. Used for seasoning. Pkt., 10c; oz., 40c.

THYME. For seasoning and a tea is made for nervous headaches. Pkt., 10c; oz., 75c.

WORMWOOD. Pkt., 10c; oz., 45c.

NOVELTIES AND SPECIALTIES IN Flower Seeds for 1925

For General List of Flower Seeds see pages 32 to 56.

Antirrhinum (Snapdragon)

Within the last few years Snapdragons have become immensely popular. This is not to be wondered at, as, whether used for cutting or for show in the garden, they are one of the most valuable flowers which can readily be grown from seed. We offer two distinct types, the large flowering, tall-growing, or giant, and the equally large-flowered half-dwarf variety. In our trials seed sown out-of-doors the first week of May came into bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

Beautiful New Snapdragons

(ANTIRRHINUM NANUM GRANDIFLOREM)

Large-flowering, half-dwarf. A splendid type with flowers of largest size, growing about 18 inches high, the best for bedding purposes.

- CARMINE QUEEN.** Brilliant rose-carmine. Pkt., 10c.
EMPRESS. Rich velvety carmine. Pkt., 10c.
FASCINATION. Pearly-pink self. Pkt., 10c.
FAWN. Terra-cotta pink, suffused pale yellow. Pkt., 10c.
GOLDEN QUEEN. Clear yellow. Pkt., 10c.
GLORIA. Rich deep rose. Pkt., 10c.
GRENADE. Orange scarlet, white tube. Pkt., 10c.
PURITY. Pure white. Pkt., 10c.
HALF-DWARF MIXED. All the colors. Pkt., 10c; ¼ oz., 30c.

New Giant Snapdragons

(ANTIRRHINUM MAXIMUM)

An early new race of this popular flower, the result of careful selection and culture; the flowers are of extraordinary size. The plants are robust and produce the flowers on extra long spikes.



Alyssum Procumbens.



Giant Antirrhinum—Snapdragon.

APPLE BLOSSOM.

Rosy-pink, yellow lip. Pkt., 20c; ¼ oz., 60c.

CANARY BIRD.

Canary yellow, golden yellow center. Pkt., 20c; ¼ oz., 60c.

DIAMOND. Golden yellow, lilac throat. Pkt., 20c; ¼ oz., 60c.

COPPER KING. Velvety copper scarlet. Pkt., 20c; ¼ oz., 60c.

SILVER PINK. Special florists' strain. Considered to be the finest pure pink; long, stout stems. Pkt., 20c; ¼ oz., 60c.

SNOWFLAKE. Pure white, yellow tube. Pkt., 20c; ¼ oz., 60c.

THE ROSE. Rose pink. Pkt., 20c; ¼ oz., 60c.

WALLFLOWER. Brownish-orange, copper red. Pkt., 20c; ¼ oz., 60c.

GIANT MIXED. Pkt., 20c; ¼ oz., 60c.

Alyssum Procumbens

(CARPET OF SNOW)

A very select strain grown for us with the greatest of care. Habit, 2½ inches high and about 12 to 13 inches in diameter, and has the appearance of a nice flat pancake. The blooms are massed, completely hiding all foliage, and a field of this in bloom has the appearance of being covered with snow. Pkt., 10c; ¼ oz., 25c; oz., 75c.

Novelties and Specialties in Flower Seeds — Con.

BEAUTY ASTERS

This recently developed type is a most valuable introduction on account of its late flowering, coming into bloom fully two weeks later than our Superb Late Branching, and furnishing high-grade cut flowers from early October until killing frost in November. The plants are unusually vigorous, from 2½ to 3 feet high. The perfectly double flowers, 4 to 5 inches across, are borne on extra long, strong stems, and are similar in form to our Superb Late Branching. We offer six beautiful colors:

AMERICAN BEAUTY. A bright cherry-rose, similar in color to the famous American Beauty Rose.

AZURE FAIRY. Pleasing light blue.

PEACH BLOSSOM. Very desirable; pleasing shade of deep lavender-pink.

WHITE BEAUTY. A giant pure white.

PURPLE BEAUTY. A rich lustrous deep purple.

SEPTEMBER BEAUTY. A beautiful and justly popular tone of delicate shell-pink.

Price. Any of the above. 15c per pkt.; ¼ oz., 60c.

MORETON PINK. This is of the upright Comet type. It is a beautiful shade of flesh or malmaison pink and is very desirable. **Pkt., 15c.**

PEERLESS PINK. The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. **Pkt., 10c.**



White Beauty Asters.

New Asters

CALIFORNIA GIANTS

Crego Type on Beauty Stems. This type has all the characteristics of the late Beauty, as well as their long, and sturdy stems, which make them very attractive when arranged in floral work, and they well deserve their name.

PEACH BLOSSOM. Pkt., 20c.

LIGHT BLUE. Pkt., 20c.

DEEP ROSE. Pkt., 20c.

DARK PURPLE. Pkt., 20c.

MIXTURE OF ABOVE. Pkt., 20c.

MARECHAL JOFFRE. A large flowered single red; excellent for cutting. **Pkt., 15c.**

CRIMSON GIANT. This shade has been one which has seemed to lack intensity of color, but in this variety the blood-red blossom is particularly bright and the extreme doubleness of its flowers makes a bed of them a mass of oriental splendor in a garden. **Pkt., 15c.**

LADY ROOSEVELT

The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. **Pkt., 15c.**



California Giant Aster.

Novelties and Specialties in Flower Seeds—Continued.

DELPHINIUM HYBRIDS XXX MIXED

For a number of years our grower has been carefully selecting Delphinium varieties with a view to making a mixture which would contain all the most beautiful shades of color obtainable in a perfect blend. Various formulas were tried out in their experimental grounds over a period of several years with the result that we now have a strain of Mixed Delphinium Hybrids on which we can put our highest mark of approval: "XXX." **Fkt., 20c.**

GYPSOPHILA

"PARIS MARKET" ELEGANS GRANDIFLORA. An improved strain of this popular florists' flower, the plants grow about the same height as the older type, but the flowers are much larger and are pure white, without the objectionable veining of the older type. **Fkt., 10c; oz., 40c.**

LARKSPUR

EXQUISITE. A new and much wanted color in the splendid double stock-flowered type. The color is a soft yet bright rose color that makes a charming and effective bunch when cut; a fine variety for the florist. **Fkt., 15c.**

BISMARCK TEN WEEK STOCK

An especially meritorious class. These stocks are Giants; growing from twenty-four to thirty inches tall, of branching habit, producing innumerable large spikes measuring twelve to sixteen inches long, coming into bloom in ten to twelve weeks.

BLUSH. Apple blossom.

CANARY YELLOW. (Golden Ball.)

ROSE. Deep rose-pink.

WHITE.

DARK BLUE.

FIERY BLOOD RED. Fine.

FLESH.

LAVENDER. Fine.

Each of the above, **pkt., 20c.**

NEW GIANT DAHLIA-FLOWERED ZINNIA

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower.

CRIMSON MONARCH. By far the largest and best of the red shades; plants very vigorous.

DREAM. A fine, deep lavender turning to purple, a new, desirable shade in Zinnias.

EXQUISITE. One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose center.

GOLDEN STATE. A very rich orange-yellow; yellow in the bud, turning to an attractive orange when in full bloom.

OLD ROSE. A very desirable shade; flowers large and of fine form.

ORIOLE. One of the most beautiful of its class; an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named.



Giant Dahlia-Flowered Zinnia.

POLAR BEAR. A very large pure white; the best white yet seen in Zinnias.

SCARLET FLAME. A large, beautiful bright scarlet, with a delightful blending of orange throughout the petal.

BUTTERCUP. An immense deep creamy yellow. A very desirable flower, which should be included in every collection.

Each of the above, **pkt., 25c.**

NEW GIANT MAMMOTH ZINNIA

In presenting the above type we offer a rare collection of striking and desirable colors. Our grower has overcome the objectionable feature of the old Giant type; that is, the conical shape, our new Giants having smaller centers and more loosely placed petals, while the size of the flower has been notably increased over the Giant Plenissima.

ORANGE KING is a striking shade and can be compared favorably with the color of the Calendula from which it takes its name.

LEMON QUEEN is of immense size and a color that is most pleasing. The petals are light canary on the upper and cerise on the lower side, the two shades blending as the flower develops, making a variety of lemon tints.

ORANGE QUEEN, while not so dark an orange as Orange King, is a very striking shade quite different from any orange offered by us before and quite indispensable for a complete collection.

PURITY, like the Polar Bear, Dahlia-flowered type, is a clean white. It has lost the greenish tint that has made white Zinnias unpopular in the past.

ROSE QUEEN. This flower opens first as bright rose with a deep rose-red center and gradually develops into a warm deep rose when in full bloom.

Each of the above, **pkt., 15c.**

GENERAL LIST

Selected Flower Seeds

Every year we carefully revise our list of flower seeds, add a number of new sorts and discard all inferior varieties. Our collection will be found to contain everything really desirable. Our stock of seeds is of the highest possible quality.

Throughout the following pages of flower seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after the danger from the frost is over.

Biennials. These grow from seed sown during midsummer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter, straw or leaves. The hardy perennials do not usually need any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

HOW TO SOW FLOWER SEED. A common mistake in sowing flower, as well as other seeds, is covering too deeply. The exception of this is the Sweet Pea, which is seldom planted deep enough. As a general rule, cover small seeds only to the depth of the thickness of the seeds, or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Petunias, Portulacas, etc., need only to be pressed into the soil with a piece of board. Always press the earth after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such plants as require it. The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

HARD SHELL SEEDS like Canna, Brazilian and Japanese Morning Glory, Moon Vine, etc., should be soaked in warm water 36 hours before planting.

ABUTILON - Flowering Maple

CHOICE MIXED. Used extensively for ornamental bedding; also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height 3 feet. **Pkt., 25c.**

ACHILLEA - Milfoil or Yarrow

PTARMICA FL. PL., "The Pearl." Tall erect plant bearing its pure white, double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent cut flower for vases. 2 feet. **Pkt., 25c.**

ACONITUM - Monkshood or Helmet Flower

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc. Curious hood-shaped flowers in clusters; height 4 feet. August-September.

NAPELLUS. Blue. **Pkt., 15c.**

ACROCLINIUM

DOUBLE MIXED. An "Everlasting," growing about 15 inches high, bearing white or rose-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Half-hardy annual. **Pkt., 10c; ¼ oz., 20c; oz., 50c.**

AGROSTEMMA

CORONARIA (Mullein Pink). Silvery foliage and bright crimson flowers; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet; June to August. **Pkt., 10c; ¼ oz., 20c.**



Achillea, "The Pearl."

AGERATUM

Hardy annual. One of the best summer blooming plants, beginning to flower early and continuing until heavy frost. These plants do best in hot sun, and can stand poor soil. The tiny flowers are assembled in almost globe-shaped clusters, forming a many-branched corymb. Leaves rough and hairy. Sow under glass early or outdoors as soon as ground is warm.

BLUE PERFECTION. The deepest blue Ageratum. Plants nine inches tall. Splendid clusters of flowers forming dense half-globes. **Pkt., 10c; ¼ oz., 25c; oz., 60c.**

MEXICAN ALBUM GRANDIFLORUM. Large white; 1½ feet. **Pkt., 10c; ¼ oz., 15c; oz., 40c.**

LITTLE DORRIT. Azure-blue; 8 inches. **Pkt., 10c; ¼ oz., 25c; oz., 60c.**

LITTLE BLUE STAR. A variety of exceedingly dwarf and even growth; the tiny bushes, not over 4 to 5 inches high, are densely covered with bright blue flowers; a fine variety for edging. **Pkt., 25c.**

ALYSSUM

SWEET. Pretty plants for beds, vases, baskets, edging or rockwork; will bloom all summer. Can be grown very readily either outdoors or in the house. White. **Pkt., 10c; oz., 30c.**

PROCUMBENS (Carpet of Snow). A very select strain grown with the greatest care; 2½ inches high and about 12 to 18 inches in diameter. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

LITTLE GEM. Very dwarf and compact, and very free flowering; fine for bedding. White. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

SAXATILE COMPACTUM (Basket of Gold). A beautiful yellow perennial. Good compact habit, very free bloomer. **Pkt., 10c; ¼ oz., 40c; oz., \$1.00.**

AMARANTHUS

Fine for borders of tall plants, or in center of large beds.

TRICOLOR (Josephs Coat). Leaves red, yellow and green. **Pkt., 10c; oz., 50c.**

CAUDATUS (Love-lies-bleeding). Blood red; drooping habit. **Pkt., 10c; oz., 50c.**

ANEMONE - Windflower

CORONARIA. Mixed colors. A pretty, hardy perennial, producing large flowers; excellent for bouquets. 1 foot. **Pkt., 10c.**

ST. BRIGID or POPPY. Flowers large, semi-double and double; in many colors. 1 foot. **Pkt., 15c.**



Anemone *italica*, "Dropmore."



Ageratum, Blue Perfection.

ANCHUSA

ITALICA, "Dropmore." A very popular, strong growing hardy perennial plant; 4 feet high, with an abundance of beautiful flowers of a lovely gentian-blue, borne on graceful stems, during the entire season. 3 to 4 feet. **Pkt., 15c.**

CAPENSIS (Cape Forget-me-not). A fine free-growing annual variety about 18 inches high, with sprays of lovely Forget-me-not blue flowers. Blooms all summer. **Pkt., 10c.**

ANTHEMIS - Marguerite

These hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

KELWAYI (Hardy Marguerite). 2 feet. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. **Pkt., 10c.**

ANNUALS FOR CUTTING

Asters	Sweet Peas
Snapdragons	Scabiosa
Marigolds	Zinnias
Bachelor Buttons	Sweet Sultan
Annual Chrysanthemums	Mignonette
Annual Larkspurs	Calliopsis
Cosmos	Ten-Week Stocks
Gaillardias	Clarkia
Nasturtiums	California Poppy
	Tall French Marigold

This list has been selected because of the long stems and keeping quality of the flowers. It is by no means complete, but merely suggestive.

ANTIRRHINUM - Snapdragon

Antirrhinums or Snapdragons are one of the best cut-flowers which can readily be grown from seed. They succeed best in rather light soil, in a sunny position. For early flowering, sow in fall, protecting the plant with a covering of leaves through the winter. Sown in spring, they bloom by midsummer, and if the flowers are cut freely the flowering continues till fall. If intended for winter flowering in the house, cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated like an annual and sown every year. Half-hardy perennial.

LARGE-FLOWERING HALF-DWARF VARIETIES.

A splendid type, growing about 18 inches high; the best for bedding purposes.

CARMINE QUEEN. Brilliant rose-carmine. Pkt., 10c.

EMPRESS. Rich velvety crimson. Pkt., 10c.

FASCINATION. Pearly pink self. Pkt., 10c.

FAWN. Terra-cotta pink, suffused yellow. Pkt., 10c.

GOLDEN QUEEN. Clear yellow. Pkt., 10c.

GLORIA. Rich deep rose. Pkt., 10c.

GRENADEE. Orange-scarlet, white tube. Pkt., 10c.

PURITY. Pure White. Pkt., 10c.

HALF-DWARF MIXED. All the colors. ¼ oz., 30c; oz., \$1.00.

**NEW GIANT SNAPDRAGON -
Antirrhinum Maximum**

An entirely new race of this popular flower, the result of years of careful selection and culture; the flowers are of extraordinary size. The plants are robust and produce the flowers on extra long spikes.

APPLE BLOSSOM. Rosy-pink. Pkt., 20c.

CANARY BIRD. Canary-yellow, golden yellow center. Pkt., 20c.

DIAMOND. Golden yellow, lilac throat. Pkt., 20c.

COPPER KING. Velvety copper scarlet. Pkt., 20c.

SILVER PINK (Special florists' strain). An excellent strain of this popular florists' flower; the plants grow to a height of 2 to 3 feet and produce extra long spikes of large flowers. Pkt., 20c.

SNOWFLAKE. Pure white, yellow tube. Pkt., 20c.

THE ROSE. Rose pink. Pkt., 20c.

WALLFLOWER. Brownish-orange, copper red. Pkt., 20c.

MAXIMUM MIXED. Pkt., 20c; ¼ oz., 60c.



Antirrhinum—Snapdragon.



Aquilegia—Columbine.

AQUILEGIA - Columbine

This family is one of the most beautiful and popular among hardy perennials. The different varieties present an annual wealth of color and form. For growing in borders or filling up bays in shrubbery they are unsurpassed. Seed sown in the house, in March, will frequently produce bloom the same year. It is best, however, to sow seed out-of-doors when ground warms up. Any ordinary garden soil is suitable for their growth. The flowers are fragrant.

LONG SPURRED HYBRIDS (Mrs. Scott Elliott's Strain). The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years of careful hybridization. Pkt., 25c.

LONG SPURRED HYBRIDS. Three feet. Choice mixed. This strain is the finest we can procure. The colors range through the most beautiful combinations of blue, bright rose, pink, mauve, white, yellow and orange. Pkt., 10c; ¼ oz., 80c; oz., \$2.75.

DOUBLE MIXED. All colors. Pkt., 10c; ¼ oz., 25c; oz., 65c.

ARCTOTIS - African Daisy

GRANDIS. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet. Pkt., 10c; ¼ oz., 30c.

ARABIS - Rockcress

ALPINA. Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial, April-May. 6 inches. Pkt., 10c; ¼ oz., 25c.

ARGEMONE

GRANDIFLORA (The Prickly Poppy). Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt., 10c.

ASPARAGUS

PLUMOSUS NANUS. This graceful Asparagus is an excellent house plant. \$1.00 per 100 seeds; pkt., 25c.

SPRENGERI (Emerald Feather). One of the best plants to grow in suspended baskets, window boxes, vases, etc.; for the greenhouse in Winter and outside in the Summer. 50c per 100 seeds; pkt., 10c.

ASTERS

Asters are one of the most important summer and autumn flowers, and receive special care at our hands. Our list comprises only such sorts as can be planted with perfect confidence that nothing better is procurable, no matter at what price or from what source. The early sorts begin blooming in July, followed by the midseason kinds, which flower during August; then the late-flowering varieties, which are at their best through September. It is quite easy, therefore, with a little care in the selection of the varieties, to have Asters in flower from the first days in July until hard frost.

Asters will thrive in any good soil, prepared in the same way as for a crop of vegetables, but it is well to remember that extra care taken in the preparation of the soil is repaid by finer plants, larger blooms, with longer stems and more profuse flowering. They should have an open, sunny position, and prefer a good, heavy, loamy soil, enriched with a liberal quantity of thoroughly rotted manure, and the addition of wood ashes or air-slaked lime, and we do not advise growing them on the same ground two years in succession. Sow either in the open ground in May, or in March or April in cold frame, spent hotbed or pots or boxes in the house, covering seed with about one-fourth inch of good soil. When the plants are strong enough, transplant about 18 inches apart in deeply dug, well-prepared beds.

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in midseason; plants grow straight up, with strong, sturdy stems, and may be set more closely than other varieties. Each plant yields from 10 to 15 blooms.

LAVENDER. Pkt., 15c. **WHITE.** Pkt., 15c.
ROSE PINK. Pkt., 15c. **MIXED.** Pkt., 15c.

BEAUTY ASTERS

A recently developed late-flowering strain coming into bloom in late September, and being at their best through October. The plants grow nearly 3 feet high, and bear their very large, densely double flowers on long strong stems. We offer four beautiful colors.

AMERICAN BEAUTY. Bright cerise-rose. Pkt., 15c; ¼ oz., 60c.
AZURE FAIRY. Pleasing light blue. Pkt., 15c; ¼ oz., 60c.
PEACH BLOSSOM. Very desirable. Pkt., 15c; ¼ oz., 60c.



Asterium.

PURPLE BEAUTY. Rich deep scarlet. Pkt., 15c; ¼ oz., 60c.
SEPTEMBER BEAUTY. Delicate shell-pink. Pkt., 15c; ¼ oz., 60c.
WHITE BEAUTY. Giant white. Finest mixed. Pkt., 15c; ¼ oz., 60c.

CALIFORNIA GIANT ASTERS

A new variety with flowers of the Crego type, and with the habit of growth and long stems of the Beauty type. Flowers large and stand up well after being cut. Their immense size and beauty, as well as their long stems make them very attractive.

PEACH BLOSSOM. Pkt., 20c.
LIGHT BLUE. Pkt., 20c.
DEEP ROSE. Pkt., 20c.
DARK PURPLE. Pkt., 20c.
MIXTURE OF ABOVE. Pkt., 20c.

AMERICAN BRANCHING ASTERS SELECTED STOCK

This grand strain is of American origin, and is especially adapted to our climatic conditions. The plants form strong, branching bushes, two to two and one-half feet high, bearing on long, strong stems flowers which, under ordinary cultivation, average five inches across. They are usually at their best during September, and, all things considered, are the most valuable of all Asters, either for cutting or for bedding, and if only one kind of Aster is grown this is the type which will likely give the best results.

CRIMSON. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
LAVENDER. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
SHELL PINK. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
WHITE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
PURPLE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
ROSE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.
FINEST MIXED. Pkt., 10c; ¼ oz., 45c; oz., \$1.25.



White Beauty Aster.



Giant Comet Aster.



King Aster.



Queen of the Market Aster.

GIANT VICTORIA ASTER (Washington)

Plants 2½ feet, erect and robust habit. Flowers similar to Victoria type but much larger. A magnificent variety.

FIERY SCARLET. Pkt., 15c.

LIGHT BLUE. Pkt., 15c.

ROSE. Pkt., 15c.

WHITE. Pkt., 15c.

MIXED. Pkt., 15c.

KING ASTERS

A distinct type; plants are of strong, sturdy habit, fully 18 inches high; the flowers are of large size and good substance, and with long narrow petals, which are more or less quilled, forming a very attractive flower.

LAVENDER KING. Pale lavender. Pkt., 15c.

ROSE KING. Beautiful, bright rose. Pkt., 15c.

VIOLET KING. A soft shade of violet. Pkt., 15c.

WHITE KING. Large, pure white. Pkt., 15c.

MIXED KING. Pkt., 10c.

QUEEN OF THE MARKET ASTERS

A first class early flowering Aster, coming into flower in July, of branching habit; flowers of good size and borne on long stems, making them exceedingly valuable for cutting. 1 foot.

BRIGHT ROSE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

CRIMSON. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

LAVENDER. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

PINK. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

PURPLE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

WHITE. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

CHOICE MIXED. Pkt., 10c; ¼ oz., 40c; oz., \$1.25.

GIANT COMET ASTER

A flower of exquisite form and resembling Japanese chrysanthemums. Petals are curled downward at the tips.

MIXED. All colors. Pkt., 10c; ¼ oz., 50c; oz., \$1.25.

SEMPLÉ'S BRANCHING ASTER

This special strain is American grown and is especially adapted to our climate. Long stems, very large flowers, very useful for bedding and one from which results can be obtained. Pkt., 10c; ¼ oz., 40c; oz., \$1.00.

CRIMSON GIANT ASTER

This variety has all the good qualities of our Superb Late Branching type, but is of upright growth, with extra large, densely double flowers, few under 5 inches across, on stems 15 to 18 inches long; in color a very rich blood crimson, full of fire, making a brilliant bed or border. Pkt., 15c.

A NEW SINGLE ASTER

One of the most attractive single varieties of recent introduction. The plants grow about 18 inches high.

MARECHAL JOFFRE. A large-flowered single red; excellent for cutting. Pkt., 15c.

MORETON PINK ASTER

This is of the upright Comet type. It is a beautiful shade of flesh or malmaison pink, and is very desirable. Pkt., 15c.

LADY ROOSEVELT ASTER

The flowers resemble huge incurved chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. Pkt., 15c.

LAVENDER GEM ASTER

A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; begins blooming in July, continuing through August. 2 feet. Pkt., 15c.

"PEERLESS PINK" ASTER

The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

WHITE PERFECTION ASTER

A fine new midseason Aster of tall, upright growth, carrying about 12 large, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some dahlias. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

BALSAM - Lady's Slipper

DOUBLE CAMELLIA-FLOWERED. These old-fashioned flowers are much improved, and what we offer are perfect in form and of largest size. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. Of easy culture and will succeed almost anywhere. Height, 2 feet.

CAMELLIA-FLOWERED, CHOICEST MIXED.
Pkt., 10c; ½ oz., 35c; oz., 60c.

BALLOON VINE - Love-in-a-Puff

A rapid-growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children. Pkt., 10c.

BELLIS PERENNIS - English Double Daisy

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn. 4 inches.

MONSTROSA, PINK. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers. Pkt., 25c; ¼ oz., \$1.50.

MONSTROSA, WHITE. Pkt., 25c; ¼ oz., \$1.50.

MONSTROSA, MIXED. Pkt., 25c; ¼ oz., \$1.25.

BEGONIA (Semperflorens Type)

The following varieties are unsurpassed for bedding plants, thriving equally well in partially shaded or sunny locations. As pot plants for winter flowering, they are superb.

GRACILIS LUMINOSA. Large, bright scarlet flowers. Pkt., 25c.

GRACILIS PRIMA DONNA. 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant, clear pink, shading to carmine rose. Pkt., 25c.

SEMPERFLORENS MIXED. Pkt., 25c.

BOLTONIA - False Chamomile

One of the showiest of our native hardy perennials, growing 4 to 6 feet high, with daisy-like flowers in countless thousands from July to September.

ASTEROIDES. White. Pkt., 10c.

LATISQUAMA. Lilac-pink. Pkt., 10c.



Bellis Perennis—English Daisy.

BRACHYCOME - Swan River Daisy

Free-flowering, dwarf-growing annuals; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edging, small beds or pot culture; 9 inches. Pkt., 10c; ¼ oz., 40c.

BROWALLIA - Amethyst

ELATA MIXED. One of our favorite profuse blooming annuals, covered with beautiful blue or white flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted in autumn and cut back. 18 inches. Pkt., 10c.

CALCEOLARIA

Sow in pans or shallow boxes filled with light soil in the greenhouse in a temperature of 56 to 60 degrees. Cover seed about one-thirty-second of an inch with fine sifted soil and press firmly with a board. Water with a fine spray when necessary, never allowing the soil to become dry. When large enough transplant to small pots.

LARGE-FLOWERED. Mixed. Pkt., 50c.

CALLIOPSIS

Showy and beautiful; free-flowering annuals of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, thinning out to stand 6 inches to 12 inches apart. By keeping the old flowers cut off the flowering season can be lengthened until late autumn.

GOLDEN WAVE (Drummond). Rich golden yellow with small chestnut-brown center; very free; 12 inches. Pkt., 10c; oz., 40c.

MIXED. A splendid mixture comprising many varieties and a great range of colors. Pkt., 10c; oz., 35c.



Calliopsis.

CALENDULA - Pot Marigold

Hardy annual, one foot in height. Strong, bushy plants. Very showy, large, double composite flowers, ranging in color from ivory to deep orange. They bloom all summer and fall until cut down by frost, and are very cheerful in late autumn. Sow in open ground in spring. Valuable also for pot culture.

BALL'S ORANGE. (New). In every way surpasses all other strains, flowers of enormous size, very double and richest color. **Pkt., 50c.**

ORANGE KING. Double, dark orange-red, a very select strain. The plants in the open ground under ordinary field cultivation attain a growth of 18 inches high and produce blossoms three and one-half inches in diameter. What they will do under intensive hothouse culture can be left to the imagination. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00.**

LEMON QUEEN. Double, bright sunflower yellow. We believe this should be equally popular as the Orange King, as it has the same habit of growth and the blooms are fully as large, being three and one-half inches in diameter. These two varieties produce the largest blooms of any of the Calendulas. **Pkt., 10c; oz., 35c; ¼ lb., \$1.00.**

MIXED. Named varieties. **Pkt., 10c; oz., 30c.**

CANDYTUFT - Iberis

Candytuft is among the most highly prized of summer flowers, and no garden is complete without a large quantity of it. Grows easily and blooms all the time until frost. Splendid for cut-flowers. Hardy annuals. One foot.

GIANT HYACINTH-FLOWERED WHITE. Extra select. A pure white variety, of large size, and the finest in cultivation. Strong, free grower, producing large trusses of flowers, on candelabra-formed branches; individual flowers of large size. After devoting several years to selecting and saving seed from only the most perfect flowers, we have succeeded in procuring an extra fine strain of this grand variety. **Pkt., 10c; ½ oz., 35c; oz., 60c.**

ROSE CARDINAL. Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height eight inches. **Pkt., 10c.**

MIXED. Containing all of the colors. **Pkt., 10c; oz., 30c.**

HARDY CANDYTUFT

SEMPERVIRENS. A very pretty little evergreen, forming large compact tufts one foot in height. It is a hardy perennial, and very useful and ornamental used as an edging for beds of taller plants. The leaves are a beautiful green, and the plants are covered in spring with umbels of small silvery-white flowers. **Pkt., 10c.**



Campanula—Canterbury Bells.

CAMPANULA MEDIUM OR CANTERBURY BELLS

CALYCANTHEMA (Cup-and-Saucer). A variety of the Canterbury Bell with very curious and pretty flowers, having the calyx developed into a colarette, of the same color as the corolla, giving the appearance of a cup and saucer. The flowers are usually three inches in length, with saucers three to four inches across. The colors are white, lilac, rose and mixed. **Pkt., 10c; ¼ oz., 75c.**

SINGLE CANTERBURY BELLS. Hardy biennial, of easiest culture, blooming the second year from seed. Two and one-half feet in height. Of all the Campanulas this one has the largest and loveliest flowers. Plants with pyramidal branches covered with the beautiful flowers, which are bell-shaped, two to three inches long, one to one and one-half inches broad. Mixed. **Pkt., 10c; ¼ oz., 25c.**

CAMPANULA - Bellflower

PYRAMIDALIS (Chimney Bellflower). Hardy perennial. Four to five feet. Splendid for the garden and also for decorative work in the house. Plants tall, erect, pyramidal in effect, with spikes three to four feet long of bell-shaped flowers of pale blue or white. Mixed. **Pkt., 10c.**

PERSICIFOLIA (Peach-leaved Bellflower). Hardy perennial, with superb spikes two to three feet high, composed of cup-shaped flowers of pale blue or white. **Pkt., 10c.**

CARPATICA (Harebell). Dwarf plants with cup-shaped flowers, suitable for borders, edging, etc. Blue or white. **Pkt., 10c. ¼ oz., 50c.**

CARDINAL CLIMBER

A new and very fine annual climber of very quick and luxuriant growth, attaining a height of 20 feet. The leaves are deeply cut and abundant, the salver-shaped flowers are one inch across, rich cardinal-red, freely borne in clusters of five to seven. **Pkt., 10c; ¼ oz., 75c.**

CANARY-BIRD VINE

(*Tropaeolum Canariense*)

A beautiful rapid annual climber, the charming little canary colored blossoms bearing a fancied resemblance to a bird with its wings expanded. Half-hardy annual. **Pkt., 10c; oz., 40c.**



Iberis—Candytuft.

CARNATION

These very popular favorites are valuable for culture in the open ground in summer and for pot culture in winter. Seeds of the Marguerite and Chabaud types sown in the spring will, by August, produce plants that will be full of bloom until frost takes them; or they may be cut back, potted, and carried over the winter in a cool room.

CHABAUD'S EVERBLOOMING. Choice mixed. The flowers resemble those of the Giant Marguerite, but are larger, more durable, more fragrant and surpass all others in richness and variety of coloring. Plants thick-set and bushy. Flowers sometimes with fringed edges, sometimes smooth, sometimes of solid color, sometimes beautifully variegated and marked. They will bloom in five months from seed, which may be started in the house or in open ground. They will bloom until very hard freezing weather; first frosts do not harm them. All colors mixed. Pkt., 10c; ¼ oz., 45c; oz., \$1.50.

MARGUERITE. Finest double mixed. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.

GIANT MALMAISON. Choice mixed. A greatly improved strain from an unexcelled collection and producing extra large flowers. Pkt., 10c; ¼ oz., 45c; oz., \$1.50.

CELOSIA, or Cockscomb

Graceful plants, growing best in rather light soil, not too rich, producing beautiful comb-shaped flowers; grown in pots, they are fine for the greenhouse or conservatory. Half-hardy annuals.

GLASGOW PRIZE. Enormous rich, deep crimson combs. Pkt., 10c; ¼ oz., 65c; oz., \$2.00.

CRISTA NANA. Dwarf sorts mixed; excellent choice. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

CRISTATA. Tall sorts mixed. Pkt., 10c; ¼ oz., 35c; oz., \$1.25.

CHINESE WOOLFLOWER - Celosia Childsi

A magnificent garden annual that has proven a great success everywhere. Plants grow two to three feet high. Scores of branches are thrown out, each bearing a ball of colored wool.

CRIMSON. Pkt., 15c.

DARK PINK. Very attractive. Pkt., 15c.

YELLOW. New. Pkt., 15c.



Celosia Childsi—Chinese Woolflower.



Chabaud's Everblooming Carnations.

CELOSIA, CHRYSANTHEFLORA

This is a cross between Celosia Cristata and the Plumosa variety, Pride of Castle Gould. Plants are half-dwarf with immense round heads of flowers in a great variety of colors, including salmon, pink and bronze; blooms from middle of July to November 1st. When cut and hung up-side-down in a dark, cool place they will dry and retain their beauty and color indefinitely. Those who have seen this variety dried commend it highly for bouquets, baskets, etc. Stems 24 to 60 inches long. Pkt., 20c.

CELOSIA PLUMOSA - (Feathered Celosia)

Branching plants 3½ feet high, bearing large, conical, plumed heads of golden yellow, fiery scarlet, purple, salmon, blood-red etc. Good for cut flowers. Annuals, growing easily and quickly from seed.

PLUMOSA MIXED. All colors. Pkt., 10c.

PRIDE OF CASTLE GOULD. This forms pyramidal, branching plants, bearing large, conical, plumed heads in various colors. Pkt., 15c.

CINERARIA

(Covent Garden Strain)

An extra fine large-flowered mixture, suitable for exhibition. Pkt., 50c.

GRANDIFLORA PRIZE DWARF. Mixed colors; plants of dwarf habit. Pkt., 50c.

STELLATA. Delicate, star-like blooms are borne in great profusion on long stems, giving this variety a double use, as it is excellent for cutting as well as decorative purposes. All shades. Pkt., 25c.

CENTAUREA

CYANUS (Cornflower or Bachelor Button). Also known as Blue Bottle, Ragged Sailor, Bluet, etc. An old favorite garden annual, flowering freely in almost any situation; excellent for cutting. 2 feet.

Mixed. Comprising various shades, blue, purple and white. **Pkt., 10c; oz., 25c.**

Double Blue. A variety largely used by the florist on account of its large size. Splendid for forcing. **Pkt., 10c; oz., 50c.**

IMPERIALIS (Giant Cornflower or Sweet Sultan). The finest of all Sweet Sultans.

Amaranth Red. New. **Pkt., 10c; ¼ oz., 30c.**

Erilliant Rose. **Pkt., 10c; ¼ oz., 30c.**

Deep Lavender. **Pkt., 10c; ¼ oz., 30c.**

Choicest Mixed. **Pkt., 10c; ¼ oz., 20c.**

WHITE LEAVED CENTAUREA (Dusty Miller). Grown for their silvery foliage as edging plants; also for vases, hanging baskets, etc.

Candidissima. Broad cut leaves of silvery gray. **Pkt., 10c; ¼ oz., 75c; oz., \$2.00.**

Gymnocarpa. Fine cut silvery gray foliage. **Pkt., 10c; ¼ oz., 30c; oz., 75c.**

VARIOUS CENTAUREAS

AMERICANA (Basketflower). A splendid native variety, growing 3 feet high and bearing immense thistle-like blooms of a rosy-lavender color. Very showy in the mixed border and splendid for cutting. **Pkt., 10c; ¼ oz., 25c.**

SUAVEOLENS (Yellow Sweet Sultan or Grecian Cornflower). Very showy, large, bright yellow flowers; sweetly scented. **Pkt., 10c; ¼ oz., 30c.**

MONTANA. Blue; perennial; 18 inches. **Pkt., 10c.**



Centaurea—Cornflower.

CHRYSANTHEMUMS

ANNUAL VARIETIES

Showy and effective garden favorites, extensively grown for cut-flowers. The following hardy annuals are summer-flowering border plants (growing about 2 feet high), bearing in profusion daisy-like flowers averaging about 3 inches across on good stems, and quite distinct from the hardy perennial and autumn flowering varieties.

BURRIDGIANUM. Pure white petals with zone of rich brownish-red and inner zone of yellow surrounding the dark brown disc. **Pkt., 10c.**

CHAMELEON. Golden chamois, scarlet zone. **Pkt., 10c.**

NORTHERN STAR. Very large daisy-like flowers, 3 inches across, with pure white fringed petals with canary-yellow zone around a dark brown eye. **Pkt., 10c.**

THE SULTAN. Rich wallflower-red with narrow yellow zone around the brown disc. **Pkt., 10c.**

TRICOLOR. Finest mixed. **Pkt., 10c.**

DOUBLE FLOWERING VARIETIES

The Coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut-bloom during the summer.

CORONARIUM, DOUBLE WHITE. **Pkt., 10c.**

CORONARIUM, DOUBLE GOLDEN YELLOW. **Pkt., 10c.**

CHRYSANTHEMUM - Perennial Varieties

JAPANESE HYBRIDS. Large flowers of the finest types; an extra choice mixture. Seed sown in spring will produce flowering plants by fall. 2 feet. **Pkt., 25c.**

KING EDWARD VII. Flowers extra large; pure white; very free flowering. **Pkt., 10c; ¼ oz., 30c.**

SHASTA DAISY, "ALASKA." Extra large flowers, of pure glistening white, with broad overlapping petals; a beautiful cut-flower. 2 feet. **Pkt., 10c; ¼ oz., 50c.**



Hardy Chrysanthemums.



Cosmos.

CLARKIA

Clarkias are popular Summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

ELEGANS ALBA FL. PL. Very double, pure white. Pkt., 10c.

QUEEN MARY. Lovely rose carmine. Pkt., 10c.

SALMON PINK. Double salmon. Pkt., 10c.

SCARLET QUEEN. The flowers are a double orange-salmon and develop to a glowing orange-scarlet. Pkt., 10c.

ELEGANS DOUBLE MIXED. Pkt., 10c; ¼ oz., 25c; oz., 75c.

COLEUS

LARGE LEAVED VARIETIES. Our strain of hybrid varieties produces the finest colored, most attractive and novel foliage plants for house or garden culture. A most interesting subject to grow from seed. Sow indoors in March or April and transplant to open ground in May. Tender perennial. Pkt., 25c.

COBAEA SCANDENS

Handsome and rapidly growing tender perennial climber, blooming the first year from seed, which should be started very early either in greenhouse or in a box of soil in a window; the latter method succeeds very nicely. The smooth and glossy leaves are ornamental, and so are the seed pods. The flowers are very large and bell-shaped. The vine is sturdy and a very vigorous grower, attaining a height of 20 to 30 feet in a season, and it will stand quite hard frosts in autumn.

VIOLET. Flowers at first green, gradually becoming vinous bluish-violet, the uniform tint of the adult flower. Pkt., 10c; ¼ oz., 15c; oz., 40c; ¼ lb., \$1.25.

COIX LACRYMA - Jobs Tears

Hardy annual. One and one-half feet. An annual grass extensively grown for its pearly seeds which are used to make strings of beads for children. Pkt., 10c; oz., 15c; ¼ lb., 30c.

COSMOS

Beautiful autumn-blooming plants. They produce thousands of beautiful flowers in pure white, pink and crimson shades, furnishing an abundance of cut blooms for autumn decoration when other flowers are scarce. Should be sown in spring in the open ground, when danger of frost is past, or the seed may be started under cover and afterwards transplanted. Plant not less than 18 inches apart in rows or in masses in beds. When the plants are about a foot high the tops should be pinched out to induce a bushy growth. They prefer a rather light, not too rich soil, but do well almost anywhere. Half-hardy annual. (See cut).

DOUBLE EARLY FLOWERING

A beautiful novelty with full round, double flowers. They grow to a height of about four feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, so that seed sown the latter part of April will easily be in bloom by the Fourth of July and continue until cut down by frost.

CRIMSON. Pkt., 20c.

PINK. Pkt., 20c.

WHITE. Pkt., 20c.

MIXED. Pkt., 20c.

EXTRA EARLY MAMMOTH FLOWERING

As a result of continued selection for earliness and size this strain of Cosmos has been in a class by itself.

EARLY CRIMSON. Very rich. Pkt., 10c.

EARLY PINK. A pretty shade. Pkt., 10c.

EARLY PURE WHITE. Pkt., 10c.

MIXED. Pkt., 10c; oz., 40c.

GIANT LATE FLOWERING

Large flowers of perfect form; on long stems and lasting until frost. 5 to 6 feet.

LADY LENOX, PINK. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink. Pkt., 10c; ½ oz., 20c; oz., 30c.

LADY LENOX, WHITE. A selection from the Lady Lenox described above; flowers large, pure white. Pkt., 10c; ½ oz., 20c; oz., 30c.

PERFECTION, MIXED. Pkt., 10c; ½ oz., 15c; oz., 25c.



Cobaea Scandens—Cup and Saucer Vine.

COREOPSIS

LANCEOLATA GRANDIFLORA. This is one of the finest hardy plants, with large, showy bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants, having long stems and lasting in good condition a week or more. Easily grown from seed, flowering the first year if sown early. **Pkt., 10c; ½ oz., 35c.**

CONVOLVULUS - Morning Glory

MAJOR. The old-fashioned Morning Glory. All sorts mixed. **Oz., 10c; ¼ lb., 30c.**

IMPERIAL JAPANESE. The flowers have a wonderful range of color and markings, ranging from pure white to carmine, through all shades of blue and red, bordered, fringed, mottled and striped. The leaves are diversified in shape and color, some being plain green, others blotched with white and yellow. Mixed. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

CYPRESS VINE - Ipomoea Quamoclit

Delicate, fern-like foliage, and masses of beautiful, small star-shaped flowers. Sow in May, first soaking the seed in warm water for a few hours. 15 feet. Half-hardy annual.

SCARLET. **Pkt., 10c.**

MIXED. White and scarlet. **Pkt., 10c.**

CUCUMBER, WILD - Echinocystis Lobata

This is one of the quickest growing climbers on our list. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar, no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building. Hardy annual. **½ oz., 10c; oz., 15c; ¼ lb., 50c.**

CUPHEA - Cigar Plant

Interesting bedding plant.

MINEATA. New Hybrids, mixed. **Pkt., 10c.**

CYCLAMEN

PERSICUM GIGANTEUM MIXED. One of the finest strains of large flowered Cyclamen which comprises the best shades and colors, varying through the various shades of white, pink, crimson, and dark red. **Per 100 seeds, \$2.00.**



Convolvulus—Morning Glory.

DATURA

WRIGHTII. The best single variety, white tinged with lilac, sweet-scented. **Pkt., 10c.**

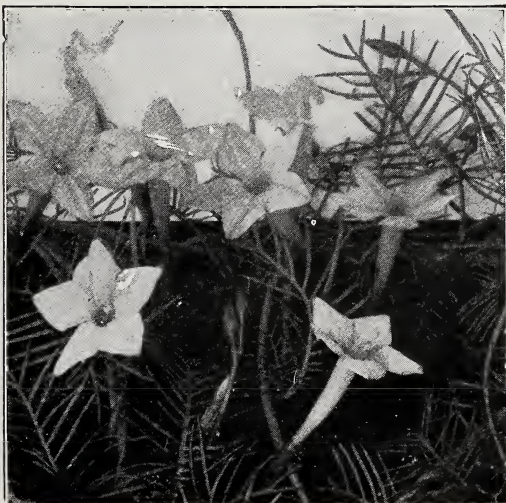
DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

FINEST DOUBLE FROM NAMED VARIETIES.
Pkt., 15c; ¼ oz., 50c.



Decorative Dahlias.



Ipomoea Quamoclit—Cypress Vine.

DELPHINIUM

Stately and noble plants, with spikes six to eight feet high, covered for half their length with the beautiful flowers. Sometimes forty spikes are produced from one root. The flowers are double or semi-double, with a blunt plaited spur, and in the throat a curious arrangement of velvety hairy petals, white or blackish. The color varies from the palest blue and almost white to deep violet and smoky-violet, sky-blue and indigo.

DELPHINIUM HYBRIDS KXX MIXED. For a number of years our grower has been carefully selecting Delphinium varieties with a view to making a mixture which would contain all the most beautiful shades of color obtainable in a perfect blend. Various formulas were tried out in their experimental grounds over a period of several years with the result that we now have a strain of Mixed Delphinium Hybrids on which we can put our highest mark of approval: "XXX." **Pkt., 20c; ¼ oz., \$1.00; oz., \$3.50.**

BELLADONNA. One of the most continuous blooming varieties; immense spikes of clear turquoise blue, which cannot be excelled for beauty; five feet. **Pkt., 15c; ½ oz., 75c; ¼ oz., \$1.00.**

BELLAMOSUM. This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities. **Pkt., 15c.**

FORMOSUM. Beautiful spikes of rich blue flowers, with a white center. 2½ feet. **Pkt., 15c.**



Delphinium—Larkspur.



Delphinium—Larkspur.

GOLD MEDAL HYBRIDS. This is an extra fine strain of strong, vigorous habit, with immense spikes from two to three feet long of large flowers, mostly of fine shades of light blue. **Pkt., 15c; ¼ oz., 60c; oz., \$2.00.**

DIGITALIS - Foxglove

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers. 4 to 5 feet.

GLOXINIAEFLORA. A very beautiful class with spotted flowers; all colors mixed. **Pkt., 10c; ¼ oz., 20c; oz., 60c.**

DIDISCUS - Blue Laceflower

CAERULEUS. This pretty and interesting annual blooms most profusely from July till November; also used extensively for early spring flowering in a cool greenhouse; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as fifty flowers open at one time. **Pkt., 15c.**

DIMORPHOTHECA African Golden Daisy

AURANTIACA. An extremely showy annual Daisy from South Africa, which suits our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. The flowers, which are 2½ inches and over across, are a unique, rich, glossy orange-gold, with dark disc and halo. These glitter in the sunshine and present a magnificent sight when in full bloom. Seed may be sown in the same way as asters or petunias, and should have a dry, sunny position. They bloom the greater part of the summer and fall. **Pkt., 10c; ¼ oz., 40c.**

AURANTIACA HYBRIDA. Beautiful new hybrids of the African Golden Daisy, and similar in habit to the parent; flowers equally as large, but varying in color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disc. **Pkt., 10c; ¼ oz., 50c.**

DIANTHUS - Garden Pinks

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. The plants are from 12 to 15 inches in height. Seed can be sown under glass in the spring, or in an open, sheltered bed. The plants are easily transplanted, and should be set from 8 to 12 inches apart. Blooms the first summer, and also the second, if the flowers are freely picked, and the plants are protected in the winter.

HEDEWIGI FL. PL. (Double Japan Pink). Double mixed. Colors from the richest velvety crimson to the most delicate rose. **Pkt., 10c; ¼ oz., 30c.**

HEDEWIGI. Finest single mixed; flowers deeply fringed or feathered; broad and round and of exquisite colors. Half-hardy annual. **Pkt., 10c; ¼ oz., 20c; oz., 50c.**

HARDY PINKS

PLUMARIUS SEMPERFLORENS (Everblooming Hardy Garden Pinks). Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. **Pkt., 15c.**

PLUMARIUS FL. PL. (Double Hardy Garden Pinks). Double and semi-double varieties in beautiful colors. **Pkt., 15c.**

CYCLOPS PINKS (Scotch Pink). Very hardy. Beautiful single flowers with large eye of velvety blood red. Has a sweet clove-like perfume. **Pkt., 25c.**

DOLICHOS - Hyacinth Bean

A rapid growing annual climber. Blooms freely in clusters, which are followed by ornamental seed pods.

MIXED. All colors mixed. **Pkt., 10c; oz., 25c.**

DRACAENA

INDIVISA. Beautiful long green leaves, useful for baskets, porch boxes or tubs. **Pkt., 10c; oz., 50c.**

EUPATORIUM - Thoroughwort

Strong growing, hardy perennials, well suited for naturalizing, and deserve a place in every hardy border; they will grow and thrive in almost any situation.

AGERATOIDES. A very useful variety, growing 3 to 4 feet high, with dense heads of minute white flowers from August to October. **Pkt., 10c.**

COELESTINUM. One of the best blue perennials, 18 to 24 inches high, and bears from August till frost an abundance of deep lavender-blue flossy flowers; splendid for cutting. **Pkt., 15c.**

EUPHORBIA

Strong growing annuals, suitable for beds of tall-growing plants, or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

VARIEGATA (Snow-on-the-Mountain). Attractive foliage; veined and margined with white. 2 feet. **Pkt., 10c; oz., 40c.**



Dianthus—Garden Pinks.

ESCHSCHOLTZIA

California Poppy

A showy, free-flowering plant of low-spreading growth, with finely divided foliage, blooming throughout the season. Seed should be sown thinly in shallow drills early in spring. Hardy annual. (See cut).

CALIFORNICA HYBRIDA GRANDIFLORA MIXTURE. Novelty. New large flowering, erect type containing a large percentage of new colors in Eschscholtzias and includes soft pink, scarlet, chrome, copper red, claret and royal purple. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

BALLET GIRL. (New). Cochineal carmine, creamy white. **Pkt., 15c.**

CARMINE KING. Beautiful carmine-rose. **Pkt., 10c.**

MAUVE BEAUTY. (New). Beautiful lavender mauve. Flowers large and attractive. **Pkt., 15c.**

ORANGE FLAME. (New). Vivid orange-scarlet. **Pkt., 15c.**

LOVELY. Rose-pink suffused salmon. **Pkt., 15c.**

TANGO. Bronzy-red, overlaid terra-cotta. **Pkt., 15c.**

THE GEISHA. Inside petals brilliant gold, outside orange-crimson, petals fluted. **Pkt., 15c.**

FEVERFEW - Matricaria

DOUBLE WHITE. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers. 18 inches. **Pkt., 10c.**



Eschscholtzia Californica—California Poppies.

GAILLARDIA - Blanket Flower

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early. 2 feet.

GRANDIFLORA SUPERBA. Mixed colors. Pkt., 10c; ¼ oz., 30c; oz., 80c.

GEUM

Well known hardy perennials noted for their rich coloring and freedom of flowering. Most useful for cutting and the rockery or border.

MRS. BRADSHAW. Large double brilliant orange-scarlet; in flower throughout the entire summer. Pkt., 15c.

GERBERA - Transvaal Daisy

They are half-hardy perennials, usually grown as greenhouse or window plants, where they flower continuously. The Daisy-like blossoms, 3 to 4 inches across, being borne on 12- to 18-inch stems, are unsurpassed as cut flowers, being of splendid lasting substance. For garden culture in cold climates the plants are wintered over in cold frames like Pansies, etc. They are easily grown from seed and will commence flowering the first year, although older plants will produce the greater abundance of bloom. Pkt., 25 seeds, 25c.

GLOBE AMARANTH - Gomphrena

Clover-shaped flowers. Cut when in full bloom and dried, they retain their colors. Mixed, pkt., 10c; ¼ oz., 25c.

GODETIA - Satin Flower

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Mixed, pkt., 10c.

GOURDS

(Both useful and ornamental).

Rapid growing, interesting annual climbing plants, with ornamental foliage and curious-shaped fruit. MIXED. Pkt., 10c; oz., 15c.



Gaillardia—Blanket Flower.

GILIA

CAPITATA. 2 ft. Erect habit, plants one foot in diameter; flowers lavender-blue. The blossom is like a small scabiosa and is a good cut flower. Pkt., 10c.

GREVILLEA

ROBUSTA (Silk Oak). 1 to 5 feet. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping silky foliage it reminds one of a palm or fern. Pkt., 10c.

GYPSOPHILA - Baby Breath

ELEGANS GRANDIFLORA, "PARIS MARKET."

An improved strain of this popular florists' flower; the plants grow about the same height as the older type, but the flowers are much larger and are pure white, without the objectionable veining of the older type. Pkt., 10c; oz., 40c.

ELEGANS ALBA GRANDIFLORA. A hardy annual variety; delicate sprays of pure white flowers. Pkt., 10c; oz., 30c.

ELEGANS ROSEA. Soft pink. Pkt., 10c; oz., 40c.

PANICULATA. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early. Pkt., 15c; ¼ oz., 25c.

PANICULATA DOUBLE WHITE. A new double type of hardy Gypsophila. Very desirable either for cutting or for garden decoration. Hardy perennial but will bloom the first year from early sown seed. Pkt., 20c.

HELIOTROPE

CHOICEST MIXED. From new varieties. Pkt., 10c; ¼ oz., 50c.

HELIANTHUS - Sunflower

CHRYSANTHEMUM-FLOWERED. Fine, perfectly double golden flowers, resembling Japanese chrysanthemums; 6 to 10 inches in diameter. Plants grow to the height of 5 to 6 feet. Pkt., 10c; oz., 30c.

MINIATURE (*H. cucumerifolius*). Identical in appearance with our common yellow Field Daisy. The dainty golden yellow flowers are borne in profusion on long stems. Pkt., 10c; ¼ oz., 30c.

AUTUMN GLORY. (Perennial). 3 to 4 feet. Bright yellow medium-sized flowers. August and September. Pkt., 15c.



Gypsophila—Baby Breath.

HELICHRYSUM - Strawflower

Of late there has been a revival of interest in the so-called "Strawflowers," and we find much demand for seed. We have secured additional colors, making an excellent mixture. Helichrysum is one of the best flowers to dry for home decorating. Gather before the blooms expand and hang heads downwards in cool place. Sow seed about one-fourth inch deep and thin out the seedlings to stand 10 inches apart.

- BUTTERCUP.** Rich buttercup yellow. Pkt., 10c; ¼ oz., 30c.
- FIREBALL.** Bright red. Pkt., 10c; ¼ oz., 30c.
- GOLDENBALL.** Golden yellow. Pkt., 10c; ¼ oz., 30c.
- ROSE CARMINE.** Rich and glossy. Pkt., 10c; ¼ oz., 30c.
- SILVER BALL.** Glistening white. Pkt., 10c; ¼ oz., 30c.
- SALMON.** Effective, rosy-salmon. Pkt., 10c; ¼ oz., 30c.
- MIXED.** All colors. Pkt., 10c; ¼ oz., 25c; oz., 75c.

HELIOPSIS - Orange Sunflower

PITCHERIANA. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season and continuing the entire summer. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and very graceful for cutting. Pkt., 10c.

SCABRA ZINNIAEFLOA. A new double-flowering form bearing golden yellow Zinnia-like flowers. In addition to being a very showy plant in the hardy border, it is one of the best perennial plants for cutting. Pkt., 15c.

HELENIUM - Sneezewort

Strong-growing hardy perennials, succeeding in any soil, and useful in the hardy border, giving an enormous crop of flowers in late summer.

- AUTUMNALE SUPERBUM.** Golden yellow flowers. 5 to 6 feet. Pkt., 10c.
- RIVERTON GEM.** Flowers opening old-gold, changing as they mature to wallflower-red. 3 feet. Pkt., 15c.
- RIVERTON BEAUTY.** Rich lemon yellow, with a large purplish-black cone. Pkt., 15c.



Helichrysum—Strawflower.

**HEUCHERA
Coral Bells or Alum Root**

SANGUINEA. One of the finest hardy perennials. The flowers are of a rich, bright coral-red color, the leaves light green and slightly hairy. Excellent for cutting. Pkt., 15c.

**HUNNEMANNIA
Giant Yellow Tulip Poppy**

FUMARIAEFOLIA. This is by far the best of the Poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Pkt., 10c; ¼ oz., 25c.

HIBISCUS - Marshmallow

Showy ornamental perennial plants, for mixed beds or shrubby borders; blooms first year if sown early. **NEW GIANT** (Mallow Marvel). A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture. Pkt., 10c; ¼ oz., 25c.

HOLLYHOCKS - Althaea Rosea

Hollyhocks like a rich, well-drained soil. The seed should be sown in April and May, not later than June, to flower the second year. **Chater's Superb Hollyhocks** are the finest in the world. The long spikes of great double bomb-shaped flowers come in wonderful shades of red and crimson, rose, yellow, ashen-gray, black, apricot, magenta, etc. The plants grow from five to eight feet tall.

- CHATER'S DOUBLE MAROON.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE PINK.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE RED.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE SALMON.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE WHITE.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE YELLOW.** Pkt., 10c; ¼ oz., 50c.
- CHATER'S DOUBLE MIXED.** Pkt., 10c; ¼ oz., 50c.



Heliosis—Orange Sunflower.

KOCHIA - Summer Cypress or Mexican Firebush

CHILDSEI. An improved strain; easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color. 2 to 3 feet. **Pkt., 10c; ¼ oz., 20c.**

LARKSPUR, Annual

This is one of the best known of garden flowers. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost. Hardy annual.

TALL DOUBLE STOCK FLOWERED

Plants branch freely, bearing long spikes of beautiful double flowers; height 2½ feet.

DARK BLUE. **Pkt., 10c; ¼ oz., 30c.**

EXQUISITE. (New). An extra fine variety of this popular annual; color soft pink. **Pkt., 15c; ¼ oz., 50c.**

LUSTROUS CARMINE. **Pkt., 10c; ¼ oz., 30c.**

SHELL PINK. **Pkt., 10c; ¼ oz., 30c.**

SKY BLUE. **Pkt., 10c; ¼ oz., 30c.**

WHITE. **Pkt., 10c; ¼ oz., 30c.**

MIXED. All colors. **Pkt., 10c; ¼ oz., 20c.**

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

DWARF MIXED. 10 inches high; all colors. **Pkt., 10c; ¼ oz., 40c.**

CHOICE MIXED. 2 to 3 feet high. **Pkt., 10c; ¼ oz., 30c.**

LAVATERA - Annual Mallow

TRIMESTRIS GRANDIFLORA ROSEA. A very beautiful annual, growing about two feet high and bearing cup-shaped pink flowers the entire season. **Pkt., 10c; ¼ oz., 25c.**

LATHYRUS LATIFOLIUS Everlasting or Perennial Pea

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling sweet peas in growth, foliage and flowers; excellent for cutting; six to eight feet.

CHOICE MIXED. All colors. **Pkt., 10c; ¼ oz., 20c; oz., 60c.**



Lobelia. Crystal Palace Compacta.



Kochia—Summer Cypress.

LAVANDULA - Lavender

VERA. Well known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border; 18 inches. **Pkt., 10c; oz., 50c.**

LOBELIA

The following choice varieties of this popular and beautiful flowering plant will be found most desirable for pot culture, edging, hanging baskets, etc.

EMPEROR WILLIAM. Clear sky blue, with green foliage. **Pkt., 10c.**

CRYSTAL PALACE COMPACTA. Rich blue; finest for bedding. **Pkt., 10c; ¼ oz., 50c.**

SPECIOSA. Dark blue; trailing; fine for vases. **Pkt., 10c.**

LINUM - Flax

Erect growing plants with showy flowers which open in the sunshine. Blooms continuously and of easy culture in full sun.

GRANDIFLORUM RUBRUM (Scarlet Flax). A fine hardy annual with brilliant scarlet crimson flowers. **Pkt., 10c; oz., 25c.**

PERENNE. Perennial. Blue flowers. **Pkt., 10c; oz., 75c.**

LYCHNIS

Hardy perennial; will bloom first year from seed if sown early. These may be classed among the best known and most popular of old-fashioned flowers. Of easiest culture and most pleasing habit.

CHALCEDONICA. Sometimes called Maltese Cross. Flowers beautiful scarlet; fine for massing. **Pkt., 10c; oz., 75c.**

LUPINUS - Lupine

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers. 2 feet. Hardy annual.

Pure White, Dark Blue, Rose-pink, Sky-blue, Mixed, each, **pkt., 10c; oz., 40c.**

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; excellent for cutting. May and June. 2 to 3 feet.

POLYPHYLLUS BLUE. **Pkt., 10c.**

POLYPHYLLUS WHITE. **Pkt., 10c.**

POLYPHYLLUS MIXED. **Pkt., 10c.**

MIRABILIS - Marvel-of-Peru or Four-O'clock

The plants are two feet high, strong and bushy, funnel-shaped flowers, open in late afternoon, abundantly borne in terminal clusters, in white, yellow, violet-red, coppery-red and rose, sometimes variegated two or three colors. Sow seed outdoors in spring.

MIXED. All colors. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**



African Marigold.

MARIGOLD

The African and French Marigolds are free-flowing annuals of easy culture; the former have uniformly large, yellow or orange colored flowers. (See cut). The latter are dwarfer in growth, with beautifully striped flowers. They succeed best in a light soil, with full exposure to the sun. Half-hardy annual.

AFRICAN VARIETIES

ORANGE PRINCE. Densely double flowers of a rich, deep golden orange color. **Pkt., 10c; ¼ oz., 50c.**

LEMON QUEEN. Soft, lemon yellow flowers, and forming a fine contrast to the preceding. **Pkt., 10c; ¼ oz., 50c.**

FINEST MIXED AFRICAN. **Pkt., 10c; oz., 75c.**

FRENCH VARIETIES

FRENCH DOUBLE MIXED. Comprising all shades of yellow, orange, brown, striped, etc. Very double. Height 1 foot to 18 inches. **Pkt., 10c; ¼ oz., 25c.**

LEGION OF HONOR (Little Brownie). This is a single, dwarf, bushy variety and is very desirable for borders. The plants bear in profusion rich golden yellow flowers with garnet blotches in the center of each petal. **Pkt., 10c; ¼ oz., 25c.**

DWARF FRENCH. One foot. Mixed. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

MATRICARIA (See Feverfew).

MATTHIOLA

BICORNIS (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the evening; color purplish-lilac. **Pkt., 10c.**

MYOSOTIS - Forget-Me-Not

Hardy perennial. Seed may be sown in spring indoors and transplanted, or in the open ground; it may also be sown in the fall. Forget-me-nots do well in partial shade, and require much moisture. The plants should be given a very slight covering of leaves during winter. The plants bloom very early in the spring of the second year from sowing, producing their pretty flowers in abundance. They are valuable for undergrowth for bulb beds.

PALUSTRIS. Large flowering true Forget-me-not. Bright blue in color, flowering the first year from seed. **Pkt., 10c.**

MIGNONETTE - Reseda

A well known fragrant favorite, and no garden is complete without a bed of Mignonette. Sowings made in June and again in July will keep up a succession from early summer until frost; can also be grown in pots for winter and early spring flowering.

DEFIANCE. When grown under favorable conditions, spikes will not only be of remarkable size— from 12 to 15 inches long— but deliciously fragrant. The individual florets are of immense size, forming a graceful as well as compact spike. Of extraordinary keeping qualities, retaining their grace and fragrance until every bud opens. **Pkt., 10c; ¼ oz., 25c.**

GOLDEN MACHET. Distinct variety of Machet, with massive spikes of golden yellow blossoms. **Pkt., 10c; ¼ oz., 25c.**

RED GOLIATH. Of strong, yet compact habit, with rich green foliage; the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of color; especially suited for house culture. **Pkt., 15c; ¼ oz., 50c.**

WHITE GOLIATH. This splendid white variety has the same massive spikes of bloom as the red sort. **Pkt., 15c; ¼ oz., 50c.**

SWEET SCENTED (Reseda Odorata). The old variety with small spikes, but very sweetly scented. **Pkt., 10c; oz., 20c.**

MESEMBRYANTHEMUM

CRYSTALLINUM (Ice Plant). Dwarf trailing annual plant. Flowers white; prized for its singular icy foliage. **Pkt., 10c.**

MIMOSA - Sensitive or Humble Plant

PUDICA. Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. 1½ feet. **Pkt., 10c.**

MAURANDIA

Beautiful, rapid, slender-growing climbers, blooming profusely until late in Autumn; also fine for the conservatory or greenhouse; if desired for the house, take up before the approach of frost. A half-hardy perennial, flowering the first season if sown early; 10 feet; mixed colors, including purple, blue, white and rose. **Pkt., 10c.**



Reseda—Mignonette.

MOONFLOWER - Ipomoea

WHITE MOONFLOWER. A superb and vigorous vine, making a growth of 60 to 65 feet in a season. Seed should be soaked in warm water before planting, and notched with a file. Start in the house and transplant to open ground. **Pkt., 10c; ½ oz., 25c; ¼ lb., \$1.25; lb., \$4.00.**

NEMESIA

STRUMOSA SUTTONI. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding. **Pkt., 15c.**

NIGELLA - Love-in-a-Mist

MISS JEKYLL. A lovely variety, with long stems, and bearing a profusion of beautiful double flowers of a clear cornflower blue; excellent for cutting. 18 inches. **Pkt., 10c.**

NASTURTIUMS

For ease of culture, duration of bloom, brilliance of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained sunny position. Half-hardy annual.

DWARF OR BEDDING VARIETIES

They are suitable for hanging baskets, vases, window boxes, bedding and edging; grow quickly, thrive in the poorest soil and furnish the greatest abundance of long lasting, sweet-scented cut flowers.

DWARF NASTURTIUMS MIXED. We handle such large quantities of Dwarf Nasturtiums that we are able to offer this especially choice mixture at a very low price. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

TALL OR CLIMBING VARIETIES

Elegant and luxurious climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect. The seed pods can be gathered while green and tender for pickling; six to ten feet.

TALL NASTURTIUMS MIXED. For low price, this mixture is very choice. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**



Nasturtiums.

NICOTIANA - Sweet-scented Tobacco Plant

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume. Hardy annual.

AFFINIS. Fragrant, tubular, pure white flowers. **Pkt., 10c; ¼ oz., 25c.**

AFFINIS HYBRIDA. Large, sweet-scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture. **Pkt., 10c; ¼ oz., 30c.**

SANDERAE. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant. **Pkt., 10c; ¼ oz., 30c.**

OENOTHERA - Evening Primrose

Showy and beautiful plants, blooming freely all summer. The large, bright, poppy-like flowers open every evening and last well until the next day. They are of the easiest culture, doing well in sunny situations. Plant outdoors in spring.

LAMARCKIANA. Large yellow flowers. 3 feet. **Pkt., 10c.**

PANSY

Pansy seed has always been a leading specialty with us. Seed germinates best while soil is still cool and moist. Would advise sowing in shallow drills in seed-bed early in spring when the trees are starting out in leaf, and again in September when the weather becomes cool. As above stated, plants from the spring-sown seed flower with great freedom throughout the spring, summer and fall, while the stocky young plants grown in fall and winter produce the largest and finest flowers early in the following spring. Take care of the weakest looking seedlings, as they usually give the finest flowers. Half-hardy perennial.

GIANT EXHIBITION MIXTURE. In this magnificent mixture of mammoth-flowering pansies the blossoms are borne on long stems well above the foliage and are distinguished for their gorgeous and varied colorings and beautiful markings; of fine substance, velvety texture, perfect form, and giant size. The colorings are rich and varied; every shade and tint of rose, canary-yellow, black, white, cream, lavender, garnet, sky-blue and orange are produced in endless variations. Our aim is to furnish the best Pansy seed obtainable. **Pkt., 25c; ½ oz., \$1.25; ¼ oz., \$2.00; oz., \$7.00.**

MASTERPIECE (Goliath). Giant frilled. The enormous flowers are borne well above the foliage on strong stems. The petals of the flowers are waved or curled and contain the richest colors. Each petal is distinctly marked with a large dark blotch and most of the flowers are margined with a light, white or yellow edge. **Pkt., 25c; ½ oz., 75c; oz., \$5.00.**

GOOD "BEDDING" MIXTURE. The old-fashioned Pansies for beds or borders. Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. **Pkt., 10c; ½ oz., 25c; ¼ oz., 50c; oz., \$1.25.**

**VIOLA CORNUTA
Tufted Pansies, or Violas**

Perennial. 2 to 6 inches. The Tufted Pansies have smaller flowers than the regular Pansies, but they bloom so profusely that they are preferable for bedding purposes. The plants are hardy and vigorous, forming compact tufts, blooming all summer from seed sown in early spring. The colors are very clear and brilliant, mostly shades of light and dark blue, yellow, lilac and violet. The plants should be given some protection in winter. **Pkt., 10c.**

ADMIRATION. Large dark blue flowers. **Pkt., 10c.**

VIOLET - Viola Odorata

A great favorite, suitable for groups or borders, and much in demand on account of its profusion of bloom and delightful fragrance. Violet seeds germinate very slowly. Hardy perennial. **Pkt., 15c.**

PETUNIA

For outdoor decoration or house culture few plants equal the Petunia in effectiveness. Easily cultivated, only requiring a good soil and sunny position. Hardy annual.

LARGE-FLOWERED VARIETIES

GIANTS OF CALIFORNIA. New Giant exhibition strain. The quality of this strain is unrivalled, the flowers being gigantic in size, beautiful in shape, deep-throated, and of various and brilliant colors. **Pkt., 50c.**

RUFFLED GIANT. Immense size flowers, exquisitely ruffled and frilled at edges. **Pkt., 50c.**

DOUBLE LARGE-FLOWERING

It is well known that seed saved from the most carefully hybridized flowers produces but a small percentage of double flowers, the balance being singles of unusually fine quality. The weaker seedlings should be carefully saved, as these invariably produce the finest double flowers.

GRANDIFLORA FLORA PLENA FIMBRIATA. A special strain of double fringed, of which there is none finer on the market. **Pkt., 50c.**

Single Bedding Petunias

ROSY MORN. Dwarf, bushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture. **Pkt., 10c; 1/2 oz., 65c; 1/4 oz., \$1.00.**

HOWARD'S STAR. A beautiful free-flowering strain, crimson maroon with a clearly-defined five-pointed star of blush white. **Pkt., 10c; 1/2 oz., 50c; 1/4 oz., 75c.**

DE LUXE BEDDING MIXTURE. Large flowering varieties. **Pkt., 10c; 1/4 oz., 75c.**

Balcony Petunias

A splendid large and free-flowering type suitable for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across and make a very effective display over a long season.

BALCONY BLUE. Velvety indigo-blue. **Pkt., 20c.**

BALCONY ROSE. Brilliant rose-pink; very effective. **Pkt., 20c.**

BALCONY WHITE. The pure white form. **Pkt., 20c.**

BALCONY CRIMSON. Rich velvety crimson. **Pkt., 20c.**

CHOICE MIXTURE. **Pkt., 20c.**



Petunias.

PENTSTEMON - Beard Tongue

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

NEW HYBRID, MIXED. Produces large spikes of handsome flowers. 3 feet. **Pkt., 10c.**

ANNUAL PHLOX

Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. The first sowing should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom or in a seed-bed, as the Phlox transplants readily. (See cut).

SELECT LARGE-FLOWERING VARIETIES (Phlox Drummondii Grandiflora)

This is the finest type, having the largest heads of blooms as well as the largest individual flowers; of strong, sturdy growth, attaining a height of about 15 inches.

GRANDIFLORA, CRIMSON. **Pkt., 10c; 1/4 oz., 50c.**

GRANDIFLORA, FLESH. **Pkt., 10c; 1/4 oz., 50c.**

GRANDIFLORA, LILAC. **Pkt., 10c; 1/4 oz., 50c.**

GRANDIFLORA, PRIMROSE. **Pkt., 10c; 1/4 oz., 50c.**

GRANDIFLORA, WHITE. **Pkt., 10c; 1/4 oz., 50c.**

GRANDIFLORA, CHOICE MIXED. **Pkt., 10c; 1/4 oz., 40c.**

STAR PHLOX

PHLOX CUSPIDATA (Star of Quedlinburg). Of dwarf habit with very pretty star-shaped flowers. A novel variety; mixed colors. **Pkt., 10c; 1/4 oz., 40c.**

HARDY PERENNIAL PHLOX

(P. Decussata)

Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii, which are annuals. For best results, should be sown as soon as frost is out of the ground in spring or as soon as gathered in the autumn.

MIXED. All varieties. **Pkt., 15c; 1/4 oz., 75c.**



Annual Phlox.

PLATYCODON - Chinese Bellflower

One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery. 2 to 3 feet.

GRANDIFLORUM BLUE. Pkt., 10c; ¼ oz., 40c.

GRANDIFLORUM WHITE. Pkt., 10c; ¼ oz., 40c.

PHYSOSTEGIA - False-dragonhead

VIRGINICA. One of the prettiest hardy perennials, and gaining in popularity as it becomes better known. It forms dense bushes, 3 to 4 feet high, bearing freely during the summer months spikes of delicate pink tubular flowers not unlike a gigantic heather. Pkt., 10c.

VIRGINICA ALBA. A pretty white-flowered form of the above. Pkt., 10c.

PHYSALIS - Chinese Lantern Plant

FRANCHETI. An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits; highly interesting. Pkt., 10c.

ANNUAL POPPIES

Sow seed in the spring in the open ground. May also be sown in the fall. Plants average two feet in height. The colors are as beautiful and as varied as can be found in any flower, all shades of red and violet, from the deepest and most brilliant to the palest rose and lilac and pure transparent white, nearly always bordered, zoned or blotched with a second color.

A New Shirley Poppy of Merit

AMERICAN LEGION. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long stout stems. The plants are of very erect, robust growth. Pkt., 10c; ¼ oz., 25c; oz., 75c.

SHIRLEY. Deep apricot. Pkt., 10c; ¼ oz., 25c; oz., 75c.

SHIRLEY MIXED. Very choice. Pkt., 10c; ¼ oz., 25c; oz., 75c.

SINGLE MIXED. Annual sorts. Pkt., 10c; oz., 25c.

TULIP POPPY (*Papaver Glaucum*). One of the most brilliant; the flowers are 3 inches across and closely resemble the brilliant Scarlet Gesneriana Tulip. 2 feet. Pkt., 10c; ¼ oz., 30c.

DOUBLE ANNUAL POPPIES

CARNATION FLOWERED. Flowers of large globular form with fringed petals; mixed colors. 2 feet. Pkt., 10c; oz., 30c.

PAEONY FLOWERED. Mixed. Immense, showy, double globular flowers resembling a double paeony. One and one-half feet. Pkt., 10c; oz., 30c.

PERENNIAL POPPIES

Seed of perennial Poppies may be sown outdoors in the spring or fall.

ORIENTAL POPPY, GIANT SCARLET. Splendid plant growing three feet tall and forming clumps. Large, hairy, dark green leaves and long strong stems, bearing enormous flowers of dazzling scarlet, with large black blotches. Pkt., 10c; ¼ oz., 40c.

ORIENTAL HYBRIDS. Of the same character as the Giant Scarlet, but the flowers are of rare and beautiful colors, white, rose, bright red, scarlet, amaranth, poppy-red, brownish-red, violet, dregs of wine, mauve. Pkt., 10c; ¼ oz., 50c.



Oriental Poppies.

PORTULACA - Irish Moss or Rose Moss

Too much cannot be said in praise of this popular and handsome annual which produces a perfect carpet in a remarkably short time. Succeeds best in an exposed, sunny location and flourishes in dry and very shallow soil. It is of a creeping nature with moss-like foliage, which from early summer until frost is hidden by the brilliant rose-like flowers that open wide in the morning and close in the evening. Because of its foliage it is frequently known as Irish Moss or Rose Moss. It is well to mix the seed with 3 or 4 times its bulk of dry sand or soil, which permits an even and easy distribution of the seed. It may safely be sown the latter part of April.

FINEST SINGLE, MIXED. A large variety of the most brilliant colors. Pkt., 10c; ¼ oz., 25c; oz., 75c.

GRANDIFLOEA DOUBLE, MIXED. Producing a large percentage of double flowers. Pkt., 10c; ¼ oz., 65c; oz., \$2.00.

PYRETHRUM

Very beautiful hardy perennials with large, showy flowers and fine cut foliage. Very desirable for beds and borders and useful as cut flowers.

HYBRIDUM SINGLE MIXED. Large flowers ranging in color from light pink to deep red, with bright yellow centers. July. 2 feet. Pkt., 10c; ½ oz., 25c; oz., \$1.75.

HYBRIDUM DOUBLE MIXED. Seed saved from the finest double flowers; only a small percentage can be expected to come double the first year; mixed colors. 1½ feet. Pkt., 15c.

ULIGINOSUM (Giant Daisy). A fine hardy perennial; grows 3 to 4 feet high, and from July to September is literally hidden beneath the multitude of large white daisy-like flowers. Pkt., 10c.

PRIMULA

One of the best greenhouse pot plants blooming in winter and especially admired on account of its brilliant colored, finely formed flowers and fine foliage. It can be had in perfection from November until spring. Flowers are borne in large clusters and comprise many brilliant shades varying from white through pinks, crimson to intense maroon. Individual flowers measure about one inch in diameter and fringed. Greenhouse perennial, growing 8 to 10 inches in height.

OBCONICA GIGANTEA. This is a new race, with very ample foliage, heavy dark green leaves, often six inches in diameter. The flowers are from 1¼ to 1½ inches in diameter, borne in broad umbels on tall strong stems. All colors mixed. **Pkt., 50c.**

CHINESE FRINGED (*Chinensis fimbriata*). Choice mixed. Large flowering. Comprising all shades. One of the best strains grown. **Pkt., 25c.**

MALACOIDES (Improved Baby Primrose). A fine house plant; flowers delicate lilac. **Pkt., 25c.**

STELLATA. Star-like flowers borne in clusters, producing a large variety of colors; plants are very graceful and fine for winter flowering. **Pkt., 50c.**

HARDY PRIMROSES

Excellent early spring blooming plants; hardy, though in very cold localities they should have slight protection.

VERIS - English Cowslip

SUTTON'S FANCY MIXED. The colors range from white to deep maroon; the yellow, rose and crimson shades being particularly fine. These larger forms are desirable for winter flowering in the conservatory as well as for bedding out in spring. **Pkt., 15c.**

VULGARIS (English Primrose). The common hardy English variety; canary-yellow. **Pkt., 15c.**

AURICULA OR POLYANTHUS. These are among the best of the early outdoor spring-blooming plants. Splendid mixed colors. **Pkt., 25c.**



Primula—Primrose.

RICINUS - Castor Oil Bean

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing sub-tropical effect; fine for lawns, massing or center plants for beds.

ZANZIBARENSIS. A distinct class, which surpasses in size and beauty all varieties. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. The different varieties included in our mixture have light and dark green leaves and some of coppery-bronze, changing to dark green, with reddish ribs. The seeds are quite distinct in color and beautifully marked. 8 to 12 feet. Mixed. **Pkt., 10c; oz., 15c; ¼ lb., 50c.**

RUDBECKIA - Coneflower

BICOLOR SUPERBA. Fine free-flowering annual variety, growing about 2 feet high, forming a dense bush and producing its bright flowers in great abundance on long stems. The disc is brown, the florets golden yellow, with large velvety brown spots at the base; very effective and useful for cutting. Half-hardy annual. **Pkt., 10c.**

NEWMANNI. One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals, surrounding a large black cone; a showy flower. Hardy perennial. **Pkt., 15c.**

SALPIGLOSSIS - Painted Trumpet

The blossoms are tube-shaped, much like a Petunia, but rivaling the latter in the beautiful colors displayed. Seed should be sown early in spring in a hotbed or window and transplanted when weather is settled, or directly out-of-doors after danger of frost is past. Half-hardy annual. (See cut).

EXTRA FINE MIXED. Flowers of many beautiful shades, finely veined or pencilled. A choice mixture of large-flowering varieties. **Pkt., 10c; ¼ oz., 40c.**



Salpiglossis—Painted Trumpet.

SALVIA - Flowering Sage

Seed should be sown as early as possible, either indoors or in a hotbed, and the young plants transferred to their flowering quarters when the weather has become settled and warm. Half-hardy perennial.

AMERICA OR GLOBE OF FIRE. A variety of dwarf, bushy, compact growth, uniform in height and shape, and literally aglow with large spikes of brilliant scarlet flowers from early in the season until late in fall. **Pkt., 20c; ¼ oz., 75c.**

SPLENDENS (Scarlet Sage). One of the finest summer and fall plants with magnificent brilliant scarlet flowers. 2 feet. **Pkt., 10c; ¼ oz., 50c; oz., \$1.75.**

BONFIRE (Clara Bedman). Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. **Pkt., 10c; ¼ oz., 75c.**

PATENS. Bright blue flowers of large size; excellent for the border or greenhouse; height, 2 feet. **Pkt., 25c.**

FARINACEA. A perennial variety, but best treated as an annual, blooming from July to frost from spring-sown seed; color light blue. 2 feet. **Pkt., 10c.**

SAPONARIA - Bouncing Bet

OCYMOIDES. Very showy hardy perennial rock plant, producing during the summer months masses of small, bright rose flowers. 9 inches. **Pkt., 10c.**

VACCARIA. A profuse blooming annual with beautiful pink, feathery flowers; 3 feet. **Pkt., 10c; oz., 30c.**

SCABIOSA - Mourning Bride**GRANDIFLORA VARIETIES, ANNUALS**

Flowers large and very showy, on tall stalks fully two feet high.

KING OF THE BLACKS. Red-black.

AZURE FAIRY. Azure Blue.

SULPHUR YELLOW.

CRIMSON.

WHITE.

FLESH PINK.

MIXED.

ROSE.

Each of the above. **Pkt., 10c; ¼ oz., 25c.**

HARDY PERENNIAL VARIETIES

CAUCASICA (Blue Bonnet). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; color soft lavender-blue. 3 feet. **Pkt., 10c.**



Salvia—Scarlet Sage.

SCHIZANTHUS - Poor Man's Orchid or Butterfly Flower

Ours is a beautiful large flowered strain composed of the most desirable colors in schizanthus, containing many shades of pink, rose, and amber blotched with gold. The color balance is exquisite.

ROSE AND AMBER SHADES. **Pkt., 15c; ¼ oz., 50c.**

GARRAWAY'S HYBRIDS. A grand strain; flowers large; handsome markings on a white, buff, rose, blue or purple ground. **Pkt., 25c.**

DR. BADGER'S GIANT FLOWERING HYBRIDS. **Pkt., 25c.**

SCARLET RUNNER BEANS

Popular ornamental climbers, with edible pods of delicious flavor, 6 to 8 feet. **Oz., 10c; lb., 50c.**

STATICE - Sea Lavender

A Beautiful Everlasting Flower.

The Statice are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers but also the keeping qualities, which make them a joy in a Winter bouquet of everlasting flowers.

SINUATA ROSEA SUPERBA. Beautiful pink. **Pkt., 10c.**

SINUATA TRUE BLUE. A nice blue quite distinct from the blue offered in the general list which is more of a lavender. **Pkt., 10c.**

BONDUELLI. Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. **Pkt., 10c.**

RUSSIAN (Suworowi). 1 ft. Flowers bright rose color; valuable for Winter bouquets. **Pkt., 15c.**



Scabiosa—Mourning Bride.

Spencer Sweet Peas

List of the Very Finest New Orchid-flowering Kinds

Sweet Peas well deserve the place they have earned in the hearts of all lovers of flowers. They are quickly and easily grown from seed, will thrive in any garden, and bear all summer an abundance of beautiful, fragrant flowers of a great many wonderful shades and tints. The magnificent new **Spencer Sweet Peas** are rapidly displacing the older kinds. The plants make a vigorous growth and the flowers are extraordinarily large, being, when well grown, from two to two and one-half inches in diameter. In addition, the petals are beautifully waved or fluted, and in some of the newer **Spencers** the fluting is very pronounced.

BLANCHE FERRY SPENCER. This is similar in color to the old Blanche Ferry but like all Spencers the type is not unalterably fixed. Rose-pink standard; wings white, suffused and tinted with light pink.

COUNTESS SPENCER. Bright clear pink, sometimes darker towards the edges; very large, open form; long stems. The first variety introduced of the Spencer type and still considered one of the best.

DOBBIE'S CREAM. Deep cream or primrose colored; nicely waved, with an abundance of four-bloom sprays.

ELFEIDA PEARSON. Flowers very large. Color light pink on white ground beautifully edged and shaded.

FIERY CROSS. Color a scorching fire-red, or scarlet. It does not scorch or burn and the beautifully waved and fluted flowers are borne freely in threes and fours, on long stems.

ILLUMINATOR. Rich salmon-pink.

KING EDWARD SPENCER. The large flowers are waved and crinkled; standard and wings deep rich carmine-scarlet.

KING WHITE. The grandest of all White Sweet Peas and of the most up-to-date Spencer form. It is the largest of White Spencers and the buds are of unusual size before opening. The stems are long, stout and bear practically always four blossoms.

MARGARET ATLEE. The flowers are a rich glowing pink on cream ground, suffused with salmon in the standard, while the wings are pinkish-rose and salmon. The flowers are exquisitely waved, and freely produced in fours on long stout stems.

R. F. FELTON. The color is a soft, pleasing shade of lavender suffused rose; wings French gray; flowers large and waved.

ROSABELLE. A fine large rose-colored flower, and a strong grower.

ROYAL PURPLE. A rich royal purple, a distinct color and large size.

PRICE. Any of the above varieties. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

Special Mixture Spencer Sweet Peas

SILVER GILT MEDAL MIXTURE. This mixture is a beautiful blend of the 75 varieties. It includes all the best standard varieties and all the very latest novelties such as Mrs. Tom Jones, Picture, Royal Scot, etc. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

Sweet Peas for Fall Sowing

ALL WHITE. Largest pure white.

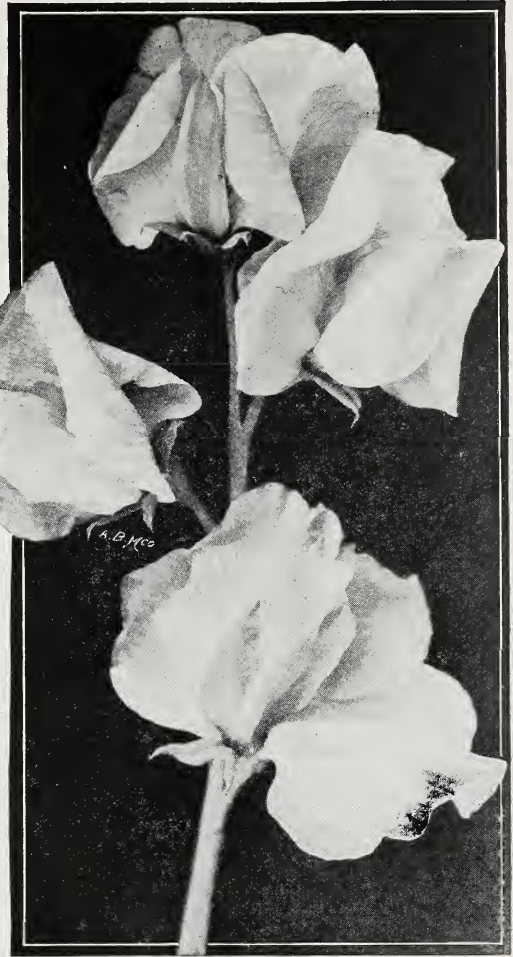
AMETHYST. Royal purple.

AVIATOR. This is to our knowledge the best scarlet Winter-flowering Sweet Pea.

BLUE BIRD. A magnificent violet-blue.

COLUMBIA. This is the most profitable pink and white Winter-flowering Sweet Pea. While it is not quite as early as the "Pink and White," it produces fifty per cent more flowers, a fact which every grower appreciates.

CREAM. It has immense blossoms; very frilled.



Spencer Sweet Peas.

Grandiflora Sweet Peas

ECKFORD'S CHOICE MIXED. It embraces the finest American and Eckford varieties, as well as the latest novelties, and will produce a great abundance of giant flowers of beautiful colors. Some are edged, mottled, blended, flaked and striped. Without exception, this is the very finest mixture it is possible to make. We recommend that our customers buy these seeds by weight and plant liberally. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

INOCULATION

We cannot recommend too strongly that Sweet Pea seed be treated with Inoculation Bacteria before planting. We have had it prepared especially for this crop. It is easy to treat the seed and in nearly all cases will produce a most wonderful improvement in growth and flowering of this crop.

WINTER FLOWERING— SPENCER VARIETIES

FAIR MAID. Blush pink, suffused salmon.

GLITTERS. Standard bright fiery orange, wings deep orange.

GRENADIER. Dazzling scarlet.

HARMONY (Early Masterpiece). A clear lavender self; waved.

HERCULES. Giant rose-pink.

MRS. KERR. The best early-flowering salmon.

Price: Any of the above varieties. Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50.

STOCKS - Gilliflower

The Stock is one of the most popular annuals, either for bedding or pot culture; for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

BISMARCK TEN WEEK STOCK

An especially meritorious class. These stocks are Giants; growing from twenty-four to thirty inches tall, of branching habit, producing innumerable large spikes measuring twelve to sixteen inches long, coming into bloom in ten to twelve weeks.

BLUSH (Apple Blossom).

CANARY YELLOW (Golden Ball).

ROSE. Deep rose-pink.

WHITE.

DARK BLUE.

FIERY BLOOD RED. Fine.

FLESH.

LAVENDER. Fine.

Each of the above, pkt., 20c.

LARGE-FLOWERING TEN WEEK STOCK

Brilliant mixed, bright colors only, made up from named varieties. Pkt., 15c.

CHOICE MIXED. Pkt., 10c.

SWEET WILLIAM Dianthus Barbatu

A well known attractive, free-flowering hardy perennial, producing splendid effect in beds and borders with their rich and varied flowers. It is much better to raise new, vigorous young plants from seed every season than to divide the old plants.

PINK BEAUTY. An exceedingly pretty variety with beautiful salmon-pink flowers. Pkt., 15c.

SCARLET BEAUTY. A very effective, rich, deep scarlet variety. Pkt., 15c.

HOLBORN GLORY. This strain is a large-flowered selection of the Auricula-Eyed type, the most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, and the range of color, all showing a clear white eye, is superb. Pkt., 15c.

SINGLE MIXED. A very choice assortment of all the best single-flowering varieties. Pkt., 10c; ¼ oz., 20c.

DOUBLE MIXED. This mixture you will find of very superior quality; containing all colors and shades. Pkt., 10c; ¼ oz., 30c.



Dianthus Barbatu—Sweet William.



Stock—Gilliflower.

SWEET ROCKET - Hesperis

MATRONALIS MIXED. Perennial plants with spikes of showy, fragrant flowers. 2 to 3 feet. Blooms during June and July. Pkt., 10c.

STOKESIA - Cornflower or Stokes Aster

Plants grow about 15 to 18 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; it is of easy culture, and one of the most desirable plants for the hardy border, and also for cutting. Hardy perennial.

CYANEA. Light blue. Pkt., 10c.

SMILAX - Myrsiphyllum Asparagoides

Smilax is the most useful climber which adorns the greenhouse or conservatory. Tender perennial. Pkt., 10c; ¼ oz., 25c.

TITHONIA SPECIOSA Mexican Sunflower

The flowers, in color orange-vermilion, resemble Single African Marigolds, while the foliage and habit of growth are like the Dahlia. Very desirable for beds and borders and useful as cut flowers.

THUNBERGIA - Black-eyed Susan

Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively in hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. Mixed colors. Half-hardy annual. 4 feet. Pkt., 10c; ¼ oz., 25c.

TORENIA

FOURNIERI. A very fine annual; a splendid plant for vases, hanging baskets, borders, etc.; covered the entire season with a mass of bloom. Sky-blue, with three spots of dark blue, bright yellow center. Half-hardy annual. Pkt., 10c.

TRITOMA

Red-hot Poker, Flame Flower

HYBRIDA. The introduction of new, continuous-flowering Tritomas has given them a prominent place among hardy bedding plants. The seed we offer has been saved from a fine collection. Pkt., 15c.

VERBENAS

To have the best results, seeds should be started early in the house and the young plants bedded out by the first of June, and they will make a lavish and showy display of flowers until frost. Half-hardy annual.

NEW VERBENAS OF MERIT

A new strain of grandiflora Verbenas; the plants are compact growing, bearing immense trusses, the individual florets measuring an inch and over in diameter. These Verbenas are fixed and come true.

BLUE. White eye. Pkt., 15c.

ALBA. Pure white. Pkt., 15c.

ROSE CARDINAL. Carmine-rose with large white eye. Pkt., 15c.

ROSEA STELLATA. A pure rose-pink, with large white eye. Pkt., 15c.

LUCIFER. Vivid scarlet self, nearly twice as large as the older type. Pkt., 15c.

MAYFLOWER. The finest rose colored Verbena raised; beautiful shade without an eye. Pkt., 15c.

HELEN WILLMOTT. Flower-trusses of exceptional size, of a bright salmon-rose color, and a pretty marking of pure white in the center of each individual flower. Pkt., 15c.

MAMMOTH FANCY. Mixed. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c; oz., 75c.

VERONICA - Speedwell

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden. Grows bushy and produces long spikes of flowers.

SPICATA. Long spikes of bright blue flowers. Pkt., 10c.

VINCA - Madagascar Periwinkle

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early.

MIXED. Pkt., 10c; ¼ oz., 40c.

WALLFLOWER

Tender perennial, living outdoors in winter in a mild climate, but not hardy in the North, where they must be wintered in cold frames. The plants are one and one-half feet tall, and have woody stems. The flowers are of velvety texture, have a rich and spicy odor, and are borne on spikes. The colors are yellow, crimson, purple, apricot and reddish-brown.

CHOICE MIXED. Single-flowering. Pkt., 10c; ½ oz., 35c; oz., 60c.

XERANTHEMUM

Everlasting, or Immortelle

DOUBLE MIXED. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Half-hardy annual. Pkt., 10c; ½ oz., 15c; oz., 50c.

ZINNIAS

One of the most popular and most extensively used of all hardy annuals. The following list comprises very choice varieties of the most brilliant colors. Requires but little attention; will grow in any good garden soil.

New Giant Mammoth Zinnias

In presenting the above type we offer a rare collection of striking and desirable colors, our new Giants having smaller centers and more loosely placed petals, while the size of the flower has been notably increased over the Giant Plenissima. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance.

LEMON QUEEN.

ORANGE KING.

ORANGE QUEEN.

PURITY.

ROSE QUEEN.

Pkt., 15c; ¼ oz., 60c.

DOUBLE GIANTS. SPECIAL MIXTURE. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., \$1.00.



Zinnias.

New Double Dahlia-flowered Zinnia

This splendid new Zinnia will greatly increase the popularity of this flower. The plants are of strong, vigorous habit from two and one-half to three feet high, producing mammoth flowers four to six inches across by two and one-half to three inches deep, similar in shape to the double Decorative Dahlia. The range of colors includes not only the usual shades, but is describable only with the aid of a color chart. As the result of careful selection, the size, form and coloring have been greatly improved the past season.

BUTTERCUP. Deep yellow.

CRIMSON MONARCH.

DREAM. Deep lavender turning to purple.

EXQUISITE. Light rose, center deep rose.

GOLDEN STATE. Orange-yellow.

OLD ROSE.

ORIOLE. Orange and gold.

POLAR BEAR. Pure white.

SCARLET FLAME. Scarlet with blending of orange.

Each of the above, pkt., 25c.

SPECIAL MIXTURE. A well blended mixture containing all the latest novelties. Pkt., 15c; ½ oz., 50c; ¼ oz., 85c; oz., \$3.00.

Double Giant Picotee Zinnias

A new distinct and striking class. The flowers are in shades of orange, flesh, lemon, pink and cerise, each petal distinctly tipped with various shades of darker color, making most attractive combinations.

MIXED. All colors. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c; oz., \$1.00.

CURLED OR CRESTED. A fine strain, with large double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c; oz., \$1.00.

TALL DOUBLE ZINNIAS

Flowers of good size; height two and one-half feet.

MIXED. Pkt., 10c; ½ oz., 25c; oz., 40c.

ELEGANS PUMILA DWARF DOUBLE

The Best Bedding Variety

CANARY YELLOW.

DARK SCARLET (Kermesina).

SALMON ROSE. A pleasing shade used by florists in basket work.

WHITE.

MIXED. Pkt., 10c; ¼ oz., 25c.

Summer Flowering Bulbs and Roots

CALADIUM ESCULENTUM

Elephant-Ear

One of the most effective plants in cultivation for the flower border, or for planting out upon the lawn. It will grow in any garden soil, and is of the easiest culture. It should be planted in a rich compost, where it will obtain plenty of water. Foliage light green. (See cut).

FIRST SIZE BULBS. 7-9 in. circum. 15c each; \$1.25 per doz.; \$10.00 per 100.

MAMMOTH BULBS. 9-11 in. circum. 25c each; \$2.50 per doz.; \$18.00 per 100.

MONSTER BULBS. 11-13 in. circum. 40c each; \$4.00 per doz.

CANNAS Select Large-Flowering

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

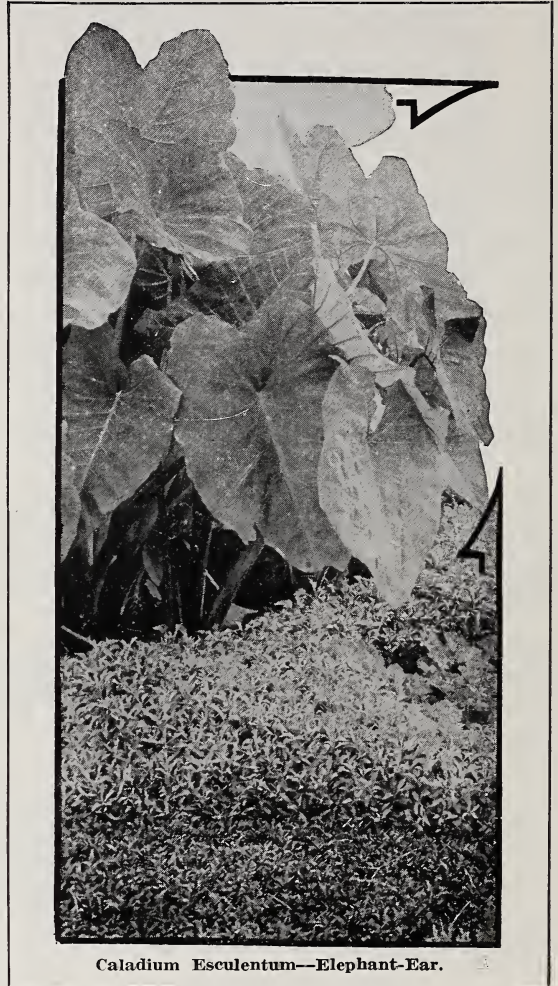
CITY OF PORTLAND. Bright rosy-pink, much deeper in color than Mrs. Alfred Conard. A free-flowering, vigorous grower. 3½ feet. 20c each; \$2.00 per doz.; \$12.00 per 100.

GLADIATOR. Yellow spotted red; green foliage. 5 feet. 10c each; \$1.00 per doz.; \$7.00 per 100.

KING HUMBERT. The most popular of all Cannas. Great orange-scarlet flowers surmount beautiful vigorous, deep bronze foliage. 5 feet. 15c each; \$1.25 per doz.; \$8.00 per 100.

METEOR. A magnificent deep red variety of robust habit. Florets and trusses are large and freely produced. A most effective bedder. 5 feet. 15c each; \$1.25 per doz.; \$8.00 per 100.

MRS. ALFRED CONARD. This has been called the "Queen of Cannas." It surely is one of the most popular and justly so. Large, exquisitely shaded salmon-pink flowers are produced in great abundance on vigorous upright stalks. 4 feet. 25c each; \$2.50 per doz.; \$15.00 per 100.



Caladium Esculentum—Elephant-Ear.



Large-Flowering Canna.

ORANGE BEDDER. Wonderful bright orange with scarlet infusion. A dazzling bedder. 4½ feet. 10c each; \$1.00 per doz.; \$7.00 per 100.

ROSEA GIGANTEA. The largest pink Canna in existence; color a rich rose pink; free bloomer; foliage green; height 3½ feet. 20c each; \$2.00 per doz.; \$12.00 per 100.

THE PRESIDENT. The greatest red Canna, possessing every desirable quality. Of immense size, unsurpassed in vigor, penetrating color, and a free bloomer. 5 feet. 15c each; \$1.25 per doz.; \$8.00 per 100.

WINTER'S COLOSSAL. Flowers frequently eight inches in diameter; bright scarlet; very effective, free-flowering bedding variety. 5 feet. 15c each; \$1.50 per doz.; \$10.00 per 100.

YELLOW KING HUMBERT. A sport from the bronze leaved red flowering King Humbert. Flowers are yellow dotted orange-scarlet. The occasional reversion of a stalk of foliage and flowers to the typical King Humbert makes a bed of this variety very interesting. 4½ feet. 15c each; \$1.25 per doz.; \$8.00 per 100.

SUMMER FLOWERING BULBS AND ROOTS—Continued

DAHLIAS

Our list this season has again been thoroughly revised. Many of the older varieties of Dahlias have been omitted and superseded by others that are much superior. The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms before that time should not be attempted. To get large flowers, the plants should be disbudded up to August 1st.

Spade or plow the ground to a depth of about ten inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole six inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of four inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

Cactus Dahlias

In Cactus Dahlias the flowers have long twisted petals terminating in points. Some have petals nearly straight, others gracefully incurved. In the Hybrid Cactus type, the flowers are broad and flat, of great depth, individual petals of florets being long and broad, moderately quilled, terminating in points, arranged in exact regularity.

COUNTESS OF LONSDALE. Deep salmon-pink marked with amber. A dependable variety; early and free blooming. 25c each; \$2.50 per doz.

FLORADORA. Dark red, extremely brilliant; a free-blooming variety. 15c each; \$1.50 per doz.

KALIF. Gigantic pure scarlet flowers, which frequently measure nine inches in diameter. Blooms are held erect on long, strong stems, which makes the variety desirable for cutting. 60c each; \$6.00 per doz.

KRIEMHILDE. Outer petals delicate pink which gradually shades to a pure white center. 20c each; \$2.00 per doz.

GOLDEN GATE. Deep golden yellow with distinct shades of fawn; large blooms on long, heavy stems. 25c each; \$2.50 per doz.

Decorative Dahlias

The blooms of the Decorative Dahlias generally are larger than those of the other classes, while in form they vary between the Show and Cactus types.

DELICE. Brilliant pink; possibly the brightest of this color in the whole Dahlia list; flowers are of good size and borne on long stems. 20c each; \$2.00 per doz.

HORTULANUS FIET. A splendid new Dahlia. Flowers very large, full, very regularly formed, petals folded to form points. The coloring is beautiful and distinct, deep shrump-pink overlaid pale pure mauve, each petal daintily and quite distinctly tipped gold, and suffused gold at base. 75c each; \$7.50 per doz.

SOUVENIR DE GUSTAV DOAZON. Entirely distinct in its formation as well as in its gorgeous coloring. In size it averages under the most ordinary cultivation from 6 to 7 inches in diameter; in color, an intense glistening orange-red. 40c each; 3 for \$1.00; doz., \$3.00.



Mixed Dahlias.

PRINCESS JULIANA. One of the earliest pure white varieties, but continues to bloom for a long season; flowers are quite large and borne well above the foliage, on stiff, wiry stems. 20c each; \$2.00 per doz.

YELLOW COLOSSE. Flower very large and full, perfectly formed, with very broad cup-shaped petals. Deep primrose-yellow. 25c each; \$2.50 per doz.

Peony-Flowered Dahlias

GEISHA. An effective combination of scarlet and gold, with the petals peculiarly twisted and curled. 75c each; \$7.50 per doz.

Show Dahlias

A. D. LIVONI. Soft pink; flowers perfectly round, like a ball, with each petal tightly quilled. 15c each; \$1.50 per doz.

CUBAN GIANT (Giant). Flowers six to seven inches in diameter, dark, glowing crimson shaded maroon. A tall, strong grower with projecting stems. 20c each; \$2.00 per doz.

PRINCESS VICTORIA. A sterling variety, being the earliest and freest flowering primrose-yellow. In bloom early and late. Long, stiff stems; fine for cutting. 20c each; \$2.00 per doz.

STORM KING. Pure white, possibly the most reliable white show variety; the earliest of all to bloom, with flowers on long stems. 15c each; \$1.50 per doz.

GLADIOLI

With its great diversity of color and splendid spikes of bloom which can be had from July until frost, the Gladiolus is pre-eminently the people's flower. Bulbs can be planted from the middle of April to July and should be set about 3 to 4 inches deep and 8 to 10 inches apart, according to the effect to be produced. Can be planted in succession for different blooming periods.

NEW AND CHOICE VARIETIES

"ANNA EBERIUS." This variety has created a sensation everywhere, with growers and amateurs alike. It will be one of the most grown varieties in the next few years; its coloring, growth and propagating is unexcelled. Dark velvety purple; throat deeper shade; flowers 6 inches in diameter, spikes 3 to 4 feet high; fine, long, well-set spikes. Each 20c; doz., \$2.25; 100, \$16.00.

BARON HULOT. Rich, royal violet-blue. One of the finest of its color. Flowers are medium in size, well placed, and borne on strong spikes. \$1.25 per doz.; \$9.00 per 100; \$85.00 per 1000.

EMPERESS OF INDIA. Rich velvety dark red with deep shadings. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

EVELYN KIRTLAND. Beautiful shade of rosy-pink, darker at the edges, fading to shell-pink at the center with brilliant scarlet blotches on lower petals; very long stalk. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

COLDEN MEASURE. (New). A rich golden-yellow with large wide open flowers well placed on a tall stalk. An unusually beautiful blossom. 30c each; \$3.00 per doz.; \$20.00 per 100.

GRETCHEN ZANG. Pink, blending into scarlet on lower petals. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

HALLEY. Large, open flowers of a delicate salmon-pink; very early. 65c per doz.; \$4.50 per 100; \$40.00 per 1000.

HERADA. Very large flowers of pure mauve with deeper markings in the throat; on tall, straight spikes. An unusual color and very effective cut-flower. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.



Gladiolus, America.



Gladiolus, Mrs. Frank Pendleton.

LE MARECHAL FOCH. Pure delicate rosy-pink, wide open, broad-petaled. Very large lily-like flower. Blooms two weeks earlier than America. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

LOVELINESS. Very large flowers of creamy-white, suffused with soft pink; a lovely variety. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

LIEBESFEUR (Love's Fire). Bright coral shade. This is one of the best and in appearance is well worth the name given it. \$1.75 per doz.; \$12.00 per 100; \$110.00 per 1000.

MARY FENNELL. One of the patricians of the garden. Beautiful light lavender flowers on a tall slender spike; lower petals penciled with primrose-yellow. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

MRS. FRANK PENDLETON. A spectacular variety, producing large, well-expanded flowers, light pink, heavily blotched with blood-red in throat. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

MR. MARK. Light blue with darker spot. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

MRS. DR. NORTON. One of the best of the newer varieties, color, faint pink shading to soft white in center of flower. \$1.75 per doz.; \$12.00 per 100; \$110.00 per 1000.

ODIN. A little deeper salmon than Prince of Wales, with larger flowers and small deep red spot on lower petals. Very early. Exquisite variety which everybody will want. \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000.

PINK PERFECTION. Rose pink, with 8 to 10 flowers open at one time. The flowers are well expanded and of perfect form. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

PRINCEPINE. Fine carmine-red with white spot. 75c per doz.; \$5.00 per 100; \$45.00 per 1000.

SCHWABEN. One of the newer of the yellow varieties; a magnificent cut flower, because the flowers all open pretty much at one time. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

WAR. This is undoubtedly one of the largest-flowered sorts; deep red, shaded crimson and showing 4 to 6 blooms at one time. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

WHITE GIANT. Large pure white. \$1.75 per doz.; \$12.00 per 100; \$110.00 per 1000.

WILLY WIGMAN. Blush white with dark blotch; extra fine. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

GLADIOLI—Continued

GLADIOLI, Primulinus Hybrids

Highly recommended for cut-flowers. Their colors vary from pale yellow to light salmon. These flowers are somewhat different in style from ordinary Gladioli, in that the petals are quite thin. On account of their delicacy and slender form, these hybrids are destined to be greatly appreciated.

ALICE TIPLADY. A grand, large Primulinus of most beautiful orange-saffron color. Very choice. \$1.75 per doz.; \$12.00 per 100; \$110.00 per 1000.

ROANOKE. A vigorous and large, rich, yellow Primulinus. Very fine. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

SIRIUS. Large, dark salmon, rich throat. Fine ruffled Primulinus Hybrid. \$1.50 per doz.; \$10.00 per 100; \$95.00 per 1000.

Gladioli in Mixture

Our mixtures offered below are made up of fine varieties, not the common sorts, which produce themselves so freely, and are all strictly selected, first-size bulbs, and are sure to give satisfactory results.

EXHIBITION MIXED. Many of the better varieties and latest novelties are included in this mixture; it comes in first-size bulbs, producing sturdy plants with a wide range of colors and shades. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

ORDINARY MIXTURE. Containing the best varieties for cut-flowers, all shades are represented in this mixture. 40c per doz.; \$3.00 per 100; \$27.50 per 1000.

JAPANESE LILIES

AURATUM (Golden-banded Japan Lily). Undoubtedly one of the finest. Its large, graceful, fragrant flowers are composed of six petals of a delicate ivory-white color, thickly studded with chocolate-crimson spots, and striped through the center a golden-yellow. 3 to 5 feet. July to September. Extra large flowering bulbs. 50c each; \$5.00 per doz.; \$35.00 per 100.

SPECIOSUM ALBUM. The speciosum or lancifolium are the most important of all the Japanese Lilies, always satisfactory. The variety here offered has large, white flowers of great substance, with a greenish band running through the center of each petal. Extra large flowering bulbs. 50c each; \$5.00 per doz.; \$35.00 per 100.

SPECIOSUM RUBRUM or **ROSEUM.** A very popular variety. Rosy-white, heavily spotted with rich crimson spots. Extra large flowering bulbs. 50c each; \$5.00 per doz.; \$35.00 per 100.

SPECIOSUM MAGNIFICUM. Magnificent large flowers of rich deep red. Extra large flowering bulbs. 50c each; \$5.00 per doz.; \$35.00 per 100.

DIELYTRA or DICENTRA

SPECTABILIS (Bleeding Heart or Seal Flower). An old-fashioned favorite; its long racemes of graceful heart-shaped, pink flowers are always attractive; it is used largely for forcing, and is perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. Strong clumps, 50c each; \$5.00 per doz.



Lilium Auratum—Gold-banded Lily.

HIBISCUS - Mallow

A desirable border plant, succeeding in any sunny position, but doing best in a damp place; grows 3 to 5 feet high, with large foliage and large, showy flowers of delicate coloring, produced during the entire summer.

MALLOW MAEVELS. A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink and white; mixed colors. 25c each; \$2.50 per doz.

PEONIES

While these are only suitable for fall planting during the months of September, October and November, we have some demand from those who wish to complete their planting designs. For the convenience of those we will be pleased to submit a list of the sorts we can supply.

IRIS

PALLIDA DALMATICA. This variety is of strong, vigorous habit, growing in good soil 4 feet high, with exceptionally large, fragrant flowers; standards lavender, falls lavender shaded blue. Exquisite in every way and fine for massing. 30c each; \$3.00 per doz.

TUBEROSES

One of the most fragrant and beautiful of the summer-flowering bulbs. For flowering in the open border, plant about the first of May.

EXCELSIOR PEARL. Mammoth bulbs. Robust stem and long spikes of flowers, which are more double and twice as large as those of the old sort. 75c per doz.; \$5.50 per 100.

TRITOMA - Red-hot Poker, Flame Flower or Torch Lily

PFITZERI (Everblooming Flame Flower). In bloom from August to November, a rich orange-scarlet, producing a grand effect, either planted singly in the border or in masses. 30c each; \$3.00 per doz.

Insecticides and Fungicides

These cannot be sent by parcel post. All prices subject to market changes.

APHINE. A nicotine preparation for plant lice, thrips and red spider. $\frac{1}{2}$ pt., 35c; pt., 60c; qt., \$1.00; gal., \$3.00.

ARSENATE OF LEAD, POWDER. Has all the advantages of the paste form but goes twice as far and is easier to handle. Can be applied like Paris Green with powder guns. Gaining in favor. $\frac{1}{2}$ lb., 25c; lb., 45c; 5 lbs., \$2.00; 25 lbs., \$8.75; 100 lbs., \$30.00.

CALCIUM ARSENATE (Dry Powdered). In all garden operations this remedy offers protection against the potato beetle, cabbage and tobacco worms and other leaf-eating insects. $\frac{1}{2}$ lb., 25c; lb., 45c; 5 lbs., \$2.00.

ANT EXTERMINATOR. Powder used for distributing around buildings, greenhouse benches, lawns, gardens, any other places infested by ants. $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 75c.

"BLACK LEAF 40" (Sulphate of Nicotine). Highly recommended for destroying aphids, thrips, etc., without injury to foliage. Perfectly soluble in water; no clogging of nozzles. Oz., 35c; $\frac{1}{2}$ -lb. tin, \$1.25; 2-lb. tin, \$3.50; 10-lb. tin, \$13.50.

BORDEAUX MIXTURE, POWDER. In a popular and convenient form for immediate use; can be used dry or with water. $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.70; 10 lbs., \$2.75.

BUG DEATH. A non-poisonous powder that is sure death to all chewing insects, especially potato, squash and cucumber bugs, currant and tomato worms. It also prevents blight and rust and is a plant-food of great merit. Lb., 20c; 3 lbs., 45c; 5 lbs., 75c; 12 $\frac{1}{2}$ lbs., \$1.50.

CARBOLA. A disinfecting whitewash paint. Kills lice, mites and prevents spread of contagious diseases. It dries a clean snow white and is used wherever whitewash can be used. Just the thing for poultry houses, barns and hog pens. One pound makes one gallon of paint. 10 lbs., \$1.25.

FUNGINE. An infallible remedy for mildew, rust, bench rot and other fungi affecting flowers and vegetable plants. 1-pt. can, 65c; 1-qt. can, \$1.00; gal., \$3.00.

HALL'S NICOTINE FUMIGATOR. A specially prepared fumigating compound saturated with pure nicotine. Easy to use—because a conical measuring dipper is enclosed in each tin. Economical—because you can measure out the exact quantity needed. 1-lb. tin, \$1.25; 2 $\frac{1}{2}$ -lb. tin, \$2.50; 10-lb. tin, \$8.50.

GRAPE DUST. Very efficient in destroying mildews and preventing blights, either in greenhouses or in the open. Lb., 25c; 5 lbs., \$1.00.

HELLEBORE. Best grade. Powdered. White. For rose slugs, currant worms, etc. $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.50.

KEROSENE EMULSION. An old reliable remedy for use against many soft-bodied and sucking insects like plant lice, scale, mealy bug, etc. Kills by contact. Qt., 65c.

LEMON OIL. Claimed by many to be the best and cheapest insecticide in the market. Used now by nearly all the leading growers. It effectually controls mealy bugs, scale, thrips and red spider. Pt., 60c; qt., \$1.00; gal., \$3.00.

LOTOL. The complete concentrated contact spray. Kills aphids and all plant lice. Dissolve one teaspoonful to a gallon of water. 1-oz. tube, 35c.

DRY LIME AND SULPHUR. Mixes with water—becomes a liquid testing the same as standard liquid solutions. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.25; 25 lbs., \$4.50.

MELROSINE. An effective remedy for rose bugs. Dilute one part to 20 parts of water. $\frac{1}{2}$ pt., 50c; pt., \$1.00; qt., \$1.75; $\frac{1}{2}$ gal., \$3.25; gal., \$6.00.

NICO-FUME LIQUID. For spraying and fumigating, and a certain destroyer of all greenhouse lice and bugs; does not stain or injure blooms or the tenderest growth. Lb., \$2.25; 4 lbs., \$8.00.

NICO-FUME TOBACCO PAPER INSECTICIDE. A nicotine saturated paper for fumigating in greenhouses. 144 sheets, \$5.50.

PARADICHLOROBENZENE. Kills the peach-tree borer. Use on trees at least four years old at the rate of one ounce per tree, circle base of tree two inches away from trunk, one inch deep, distributing evenly, and cover. Will generate a gas which will penetrate downward and kill all borers. Lb., 65c.

PARIS GREEN. For killing potato bugs. Dilute at the rate of one level teaspoonful to four gallons water. Keep solution well stirred while using. Lb., 65c; 5 lbs., \$3.00.

PYROX, BOWKER'S. A 2-in-1 spray for potatoes. Kills the bugs and prevents blight. Lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75.

CORONA PEACH MIX. A summer spray of sulphur for peaches and plums—a substitute for Self-Boiled Lime-Sulphur. Lb., 20c; 50-lb. bag, \$6.00.

SCALECIDE. The well known soluble oil scale destroyer. A first class remedy for all forms of scale. Qt., 60c; gal., \$1.65; 5 gals., \$6.25; 30 gals., \$26.00; bbl. (50 gals.), \$38.00.

SLUG SHOT. The best known remedy for cabbage and currant worms. Applied as dust. Lb., 25c; 5 lbs., 60c; 25 lbs., \$2.75.

SULPHUR, POWDERED. A preventive and cure for mildew on roses, indoors or outdoors. Lb., 20c; 5 lbs., 75c.

TREE TANGLEFOOT. Painted around trees in the form of a band it is an effectual barrier to caterpillars crawling into the tree from the ground. Lb., 50c; 5 lbs., \$2.25.

TREE WOUND PAINT. Prevents decay. A residuum, penetrating, antiseptic paint not affected by heat, cold, or moisture. Does not peel, crack, or get brittle. Stops tree bleeding. Qt., \$1.25.

THRIPS JUICE NO. 2. Destructive for mealy bugs, scale, thrips, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 75c; qt., \$1.10; gal., \$3.75.

TOBACCO DUST. Coarse and fine. Used for fumigating and for dusting plants affected with aphids. Lb., 15c; 5 lbs., 40c; 25 lbs., \$1.50; 100 lbs., \$4.50.

CUT TOBACCO STEMS. Used for fumigating plants to kill insects, and as a mulch for roses, asters, lettuce, etc. In bags, 4c per lb.

TOBACCO STEMS. For fumigating. In bags, 3c per lb.

SULPHO-TOBACCO SOAP. Destroys black and green aphids, mealy bug, red spider, etc., on plants, shrubs and trees; and for lice, fleas and other parasites on domestic animals. 3-oz. cake, 10c; 8-oz. cake, 20c.

WHALE or FISH OIL SOAP. For destroying and preventing insects on plants, trees, vines, etc. Very easily applied and very effective. Lb., 25c; 5 lb. can, \$1.10.

WEED KILLER, KEY BRAND (Liquid). Kills roots as well as tops of all weed and grass growths. Very effective in walks or cobbled gutters, without injury to road bed. Does not discolor cement or stone. Dilute one part Weed Killer to 40 parts water. Usually prevents growth for season. Apply with sprinkling can or cart. Qt., 75c; gal., \$1.75; 5 gals., \$7.00; 10 gals., \$13.50; 30 gals., \$31.50; 50 gals., \$45.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc., for inside and outside spraying. Gal., \$3.00; 5 gals., \$10.00.

Fertilizers and Manures PRICES SUBJECT TO MARKET CHANGES

BONE MEAL. This pulverized ground bone is excellent for rose culture and lawns. It decomposes rapidly and is quickly effective. Should be applied at the rate of 400 to 500 pounds per acre. 125-lb. bags, \$4.50; ton, \$55.00.

PULVERIZED SHEEP MANURE. This is a pure natural manure and one of the most nutritious foods for plants. Its effect is immediate. It is very rich, safe and gives quick results. It will give excellent results on flower beds, lawns or in vegetable gardens, as it contains all the elements for promoting a quick, luxuriant growth, as well as adding body to the plant. Can be used either in dry form or dissolved to make a liquid manure. If applied dry, no raking off is required as it does not disfigure the grounds, nor does it contain seeds of foul weeds, nor offensive odor. 1-lb. carton, 15c; 5-lb. carton, 45c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$3.00; ton, \$50.00.

PULVERIZED POULTRY MANURE. Premier Brand Pulverized Poultry Manure is beyond question the richest in plant food elements of any of the prepared manures now offered for sale. It has been thoroughly sterilized and scientifically processed without any loss of the essential plant food elements and in no way has the value of the organic matter, of which it is composed, been impaired. Lb., 20c; 5 lbs., 55c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$3.50; ton, \$60.00.

CATTLE MANURE, SHREDDED. A substitute for stable manure in gardens and greenhouses, as it supplies plant food, humus and organic matter; largely used for rose culture and for mulching. The quality we offer is selected manure taken from paved Stock Yards cattle pens—dried and sterilized by a high temperature direct heat process which kills weed seeds, fungus and disease germs. 100-lb. bags only. Per bag of 100 lbs., \$3.00.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them back to the highest perfection. It should also be used in potting soil as a top dressing. 28 lbs., \$5.00; 56 lbs., \$7.50; 112 lbs., \$14.50.

HARDWOOD ASHES. Highest grade unleached. For top dressing lawns, especially if the soil is stiff or sour. 1½ to 2 tons to the acre. 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$11.00; 1000 lbs., \$20.00.

PURE LEAF MOLD. Finely ground and screened. Vegetable humus, for renovating lawns, golf courses, flower beds, etc. Improves potting soil. 100 lbs., \$2.50.

PHOSPHATE. 16 per cent Acid Phosphate. Best grade. 125-lb. sack, \$3.50.

DRIED BLOOD MEAL. This is a splendid fertilizer for roses, carnations, chrysanthemums, etc., as well as for pot plants. Can be mixed with the soil or applied in liquid form. 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.50.

PULVERIZED LIMESTONE. The agricultural value of lime has been known for centuries. It is an economic neutralizer for soil acidity, also beneficial to the soil in many other ways; it improves the texture of the soil, lets in air and moisture, liberates nitrogen and other plant food, makes your soil sweet—enlivens it—that is, makes conditions favorable to plant growth by giving life to the soil bacteria which make it productive. Lime will be found beneficial in the growing of all garden crops, fruit trees and flowers. Try it on the lawn, too. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, two tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper. 50-lb. sacks, \$1.00; ton, \$35.00.

NITRATE OF SODA. Use a top dressing at the rate of 100 pounds per acre between the rows when the plants are well established on the following vegetables: Cabbage, cauliflower, egg plant, lettuce, spinach, beets, celery and onions. For asparagus, a top dressing of 250 pounds per acre when the young shoots are starting in the spring. For strawberries apply between the rows at the rate of 100 pounds per acre at the time of blossoming. For the home garden apply a solution of one ounce to two gallons of water. Lb., 15c; 2 lbs., 25c; 10 lbs., \$1.00; 100 lbs., \$6.00.



ARCADIAN SULPHATE OF AMMONIA

A wonderful fertilizer for garden, lawn or orchard. Guaranteed 25¼% of ammonia, the highest test of any fertilizer chemical. Ammonia supplies nitrogen, the most essential plant food. One 2-lb. package of Arcadian contains as much nitrogen as 100 lbs. of stable manure or 20 lbs. of sheep manure. No weed seeds, no odor, no lumps. Does not gather moisture. Always fine and dry. The Great American Ammoniate. Made in America. Full directions on package. Write for free pamphlets. 2-lb. package, 35c; 5-lb. bag, 60c.

MOSS, SPHAGNUM. For filling orchid baskets, etc., and for mixing with potting soil to conserve moisture. In large bales of about 30 lbs. at \$2.50 per bale.

MOSS, "GREEN SHEET." In bales. \$3.00 per bale.

PEAT, ORCHID. For potting orchids, etc. \$3.50 per sack.

STIM-U-PLANT. A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are, therefore, very convenient for house use. Package of 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50.

TOBACCO STEMS. A fertilizer and an insecticide. Tobacco stems contain high percentages of the three essential plant foods and in addition the nicotine which they supply to the soil is of value in killing the larva of many insects that hatch out in the ground. In bales, 3c per lb.

"NITRAGIN" AND MULFORD CULTURES

"NITRAGIN." A reliable pure culture legume inoculator, that acts on the legume root, draws nitrogen from the air and converts it into plant food. A special strain is supplied for each legume, therefore, in ordering be sure to state what crop it is wanted for.

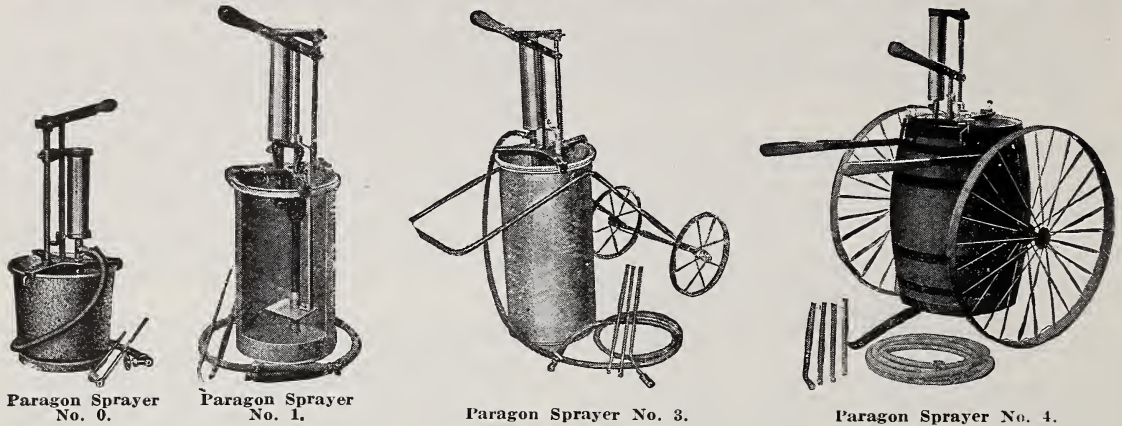
Five-bushel size, any legume crop	\$4.75
Bushel size, any legume crop	1.00
Half-bushel size, any legume crop60
Quarter-bushel size, any legume crop40
Garden size, for beans, peas, or sweet peas20

MULFORD CULTURES are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Cultures and may readily be applied to your seed. The sealed bottle insures purity.

5-acre size (a dollar per acre)	\$5.00
1-acre size	1.50
¼-acre size75
Small size (Sweet Peas)35

Paragon Sprayers

These sprayers have self-cleaning strainers and cannot clog the nozzle when spraying, as the agitator passes over it with each stroke of the pump, dislodging any particles the suction may draw into its surface. They are the sprayers adapted for spraying insecticides, whitewashing or applying cold-water paint.



Paragon Sprayer No. 0.

Paragon Sprayer No. 1.

Paragon Sprayer No. 3.

Paragon Sprayer No. 4.

Price List of Paragon Sprayers

- NO. 0.** Capacity 3½ gallons. Equipment, 4 feet spray hose, 3 feet spray pipe, 1 mist spray nozzle, 1 steel cap for mist nozzle, 1 straight spray. **Price, \$12.50.**
- NO. 1.** Capacity 6 gallons. Equipment, 5 feet 6-ply hose, 5 feet spray pipe, 2 spray nozzles. **Price, \$17.50.**
- NO. 3.** Capacity 12 gallons. Equipment, 10 feet 6-ply hose, 7½ feet spray pipe, 2 spray nozzles. Mounted on strong steel truck and can easily be wheeled to any desired place. Truck is easily detached when desired. **Price, \$25.00.**
- NO. 4.** Capacity 28 gallons. Equipment, 20 feet 6-ply hose, 10 feet spray pipe, 2 spray nozzles. Mounted on two strong 30-inch wheels. **Price, \$39.50.**
- NO. 5.** Capacity 50 gallons. Equipment, 25 feet 6-ply hose, 10 feet spray pipe, one 3-way spray nozzle, one single spray nozzle. This sprayer has solid cast brass pump and large air chamber. It is positively the very best hand power sprayer made for tree spraying. **Price, \$45.00.**
- NO. 4.** Sprayer can be furnished with solid all cast brass pump for—additional \$6.00. Send for descriptive circular giving detailed information.

Perfection Sprayer

A strong riveted side, head and bottom tank. Pump all brass, automatic shut-off nozzle with hose. Capacity about four gallons.

- NO. 110-B.** Brass tank. **Price, \$10.00.**
- NO. 110-G.** Galvanized steel tank. **Price, \$6.50.**

PERFECTION JUNIOR COMPRESSED AIR SPRAYER. Tank 6½ inches diameter, 17 inches long. Capacity about 2½ gallons. Made of first quality galvanized sheets. Tested under actual working conditions at the factory.

- NO. 140-G.** Galvanized tank. **Price, \$5.35.**



Magic Spray Pump

This pump is also very popular for use with stock dips and similar remedies; for garden work, washing buggies, autos, windows, etc., and in an emergency as a fire pump. Nozzle is adapted to all kinds of solutions and all classes of work. Will throw a solid stream when two-hole disc is removed. **Price, \$5.40.**

DEMING'S SPRAY PUMPS

We carry a full line of repairs and parts for Deming's Spray Pumps.

NO. 689 "PERFECT SUCCESS." All parts coming in contact with the liquid are brass with indestructible bronze valves. Malleable iron combination foot rest. Has large air chamber and is double acting, throwing a continuous stream. Is provided with Bordeaux Nozzle and four feet of discharge hose. **Price, complete, \$8.50.**

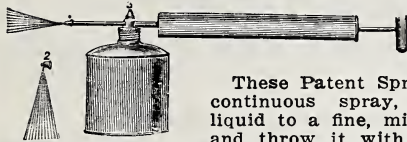
Deming's Spray Pumps

THE "MAJOR"

FIG. 832 "OUTFIT A." Here we have a very useful spraying outfit for almost any purpose. **Price, complete, \$22.00.**

Sprayers—Continued

Compressed Air Sprayers



These Patent Sprayers give a continuous spray, reduce the liquid to a fine, mist-like vapor and throw it with great force, so that it is driven into the smallest cracks and crevices. By means of the universal nozzle the spray can be thrown on the under side of the leaves of plants and shrubs.

- No. 1. Galvanized reservoir. \$1.25 each.
- No. 2. Brass pump and reservoir. \$2.00 each.

Jim Dandy Sprayer

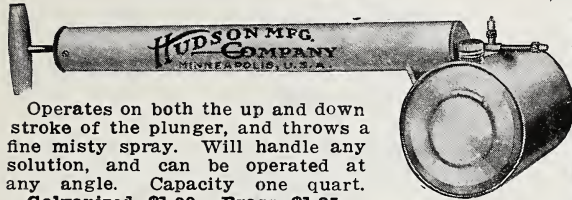


Adapted for spraying garden and farm vegetables of every description; shrubbery, grape vines, currant bushes, fruit trees, etc. Will spray rapidly, disinfectants in schools, public buildings, poultry houses and stables; fly spray on cattle; white-wash, carbola,

cold water paints, etc.

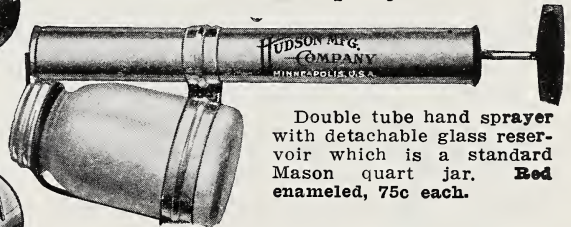
The Jim-Dandy works twenty-five times more rapidly than any hand sprayer and is more efficient. To operate, simply work plunger handle slowly; one stroke will cover a large area and no liquids wasted. Sprays anything and everything. Galvanized steel tank, \$3.50. Brass tank, \$4.25.

Continuous Sprayer



Operates on both the up and down stroke of the plunger, and throws a fine misty spray. Will handle any solution, and can be operated at any angle. Capacity one quart. Galvanized, \$1.00. Brass, \$1.25.

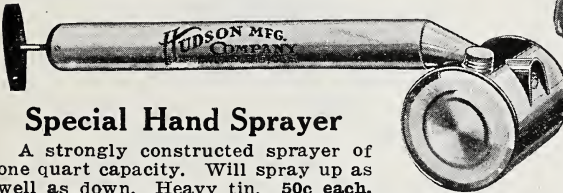
Glass Tank Sprayer



Double tube hand sprayer with detachable glass reservoir which is a standard Mason quart jar. Red enameled, 75c each.

Special Hand Sprayer

A strongly constructed sprayer of one quart capacity. Will spray up as well as down. Heavy tin. 50c each.

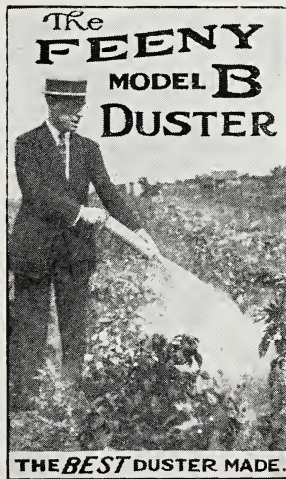


Midget Sprayer

A small hand sprayer made of tin which holds one pint. It is 14 inches long, well made and suited to small spraying or for household use. 35c each.

DRY POWDER GUNS AND DUSTERS

The Feeney Model B Powder Gun is a mechanically perfect apparatus which emits right consistency from any position and in any direction, downward, upward or horizontal. Entirely different principles of mechanics have been brought into play than have been used heretofore on such outfits. \$1.25 each.



Acme Powder Bellows

It requires no base of supplies; all you need carry is a can of dry insecticide and bellows. Without stooping—the elbow does it—it applies any powdered poison on any plant in any desired quantity. The elbow may be detached, if desired. We also furnish a spreader for distributing the blast. \$1.50 each.

Dickey Duster



Excellent for distributing Bug Death, Slug Shot, etc. 50c each.

B. D. SHAKER

For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc. Made of tin; practical and durable. 75c each.



SPRAY PUMP ACCESSORIES

- BORDEAUX SPRAY NOZZLE. \$1.50 each.
- DEMOREL SPRAY NOZZLE. \$1.00 each.
- SIMPLEX SPRAY NOZZLE. 70c each.
- "GIANT SIMPLEX" ANGLE NOZZLE. \$1.50 each.
- NO. 176 PERFECTION SHUT-OFF NOZZLE. \$1.60 each.

- TWO-FOOT EXTENSION ROD. Iron, 40c each. Brass, 80c each.
- RUBBER TUBING. 3/8-inch, for Bucket and Knap-sack Sprayers. 15c per foot.
- CUP LEATHER. For all pumps. 25c each.
- LEATHER WASHERS. For nozzle or hose. 10c per dozen.

Prices subject to change without notice

Horticultural Tools and Sundries



Fig 399.

ASPARAGUS KNIFE. Chisel shaped. 50c each.

ASPARAGUS KNIFE. Flat shaped. 50c each.

ASPARAGUS KNIFE. Fig. 399. A "fishtail" style, 10-inch blade, drop forged, well ground, enameled shank, securely fastened to wood handle. Although especially designed for cutting asparagus, it can be used effectively for cutting out weeds on the lawn, or for any weeding or stirring of the ground. 60c each.

BELLOWS, ACME. Well made, with a solid hardwood head block, hardwood handles, best leather for the bellows, and an extra elbow is furnished to tilt the funnel for getting under the leaves of plants and shrubs. \$1.50 each.

CELEBY TAPE. Blue; in spools of 1000 yards. Fast color. Makes bunches very attractive for the best trade. Price subject to change. \$3.00 per spool.

CORN PLANTER. American standard, the best hand corn planter made; has rotary dropping disc. \$2.00 each.

DIBBLE. Iron handle; steel point. 60c each.

DIBBLE. Iron, with wood handle. 60c each.

"DICKEY" or BUG DEATH DUSTER. For applying Bug Death or other dry dusting powder. 50c each.

EDGING KNIVES or TURF EDGERS. For trimming sod around flower beds and along walks. Four-foot socket handle. \$1.25 each.

FORKS, HAND-WEEDING. Small size, 30c; large size, 50c.



FORK. Digging or spading, 4 tines. Strap ferrule. \$1.35 each.

MANURE FORKS. Strapped shanks, 6 tines, medium, short handle. \$2.00 each. 4 tines, long handle. \$1.50 each.

GLAZING POINTS, PEERLESS. Will stop your glass from sliding. Made of galvanized steel wire. No rights or lefts. Can be used on either side. No. 2. For large single-thick glass. 75c per 1000. No. 2½. For double-thick glass. 75c per 1000.

GLAZING POINTS, SIEBERT'S. Are positively the best; last forever; a sure preventive of glass slipping. Effective on large or small glass; easy to drive, easy to extract. 60c per lb.

GRAFTING WAX. ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

GARDEN HOE. No. G07. 7-inch, solid shank. \$1.00 each. Medium Steel. 50c each.

LADY'S HOE. Best steel. 75c each.

JACKSON WEEDING HOE. 75c each.

GRASS HOOK NO. 33. Forged Cutlery steel, full polish, maple handle. 85c each.

GRASS HOOK NO. 2. Forged Crucible steel, thoroughly tempered hammer finish, full polish. 65c each.

LABELS, WOOD. For pots, painted.

	100	1,000
4 x 5/8 inches	\$0.25	\$ 2.00
5 x 5/8 inches	.30	2.50
6 x 5/8 inches	.40	3.00
8 x 7/8 inches	1.00	8.50
10 x 7/8 inches	1.25	11.00
12 x 1 1/8 inches	1.50	13.50

LABELS. Tree, notched, copper wired. 40c per 100; \$3.00 per 1000.



MASTICA GLAZING MACHINE. For applying Mastica. \$2.75 each.

MASTICA. For glazing greenhouses. The use of Mastica avoids the necessity of repeatedly re-glazing the house, saving much time and expense. One gallon will cover about 300 running feet (one side). \$2.50 per gal. Prices subject to change without notice.

PERMANITE. Up-to-date greenhouse putty. Holds fast, yet does not crack. \$2.00 per gal.

PUTTY, TWEMLOW'S LIQUID, GLAZING. For bedding glass in sash or for filling cracks or seams in roof joints or frames of greenhouses or hotbeds. It is applied with machine, bulb or brush. One gallon will cover about 600 running feet (one side). \$2.75 per gal. Price subject to change without notice.

PUTTY BULBS. A useful tool for applying liquid putty when glazing greenhouses. \$1.35 each.

CLAY FLOWER POTS. Prices for Standard, Low or Azalea styles:

	Doz.	100	1000
2 inch	\$0.16	\$ 1.25	\$11.25
2 1/2 inch	.25	1.65	15.00
3 inch	.30	2.15	19.50
4 inch	.42	3.30	28.50
5 inch	.78	6.00	54.00
6 inch	1.10	9.00	81.00
7 inch	1.65	15.00	
8 inch	2.75	23.00	
9 inch	5.00	33.50	
10 inch	6.00	46.00	
12 inch	12.50		

NEPONSET PAPER POTS. Made of water-proof paper; light, clean and unbreakable.

	Doz.	100	1000
2 1/2 inch	\$0.15	\$ 0.85	\$ 5.50
3 inch	.20	1.15	7.25
4 inch	.30	1.80	12.85

RAFFIA, NATURAL. The best tying material for plants; also used for making hats, baskets, etc. Lb., 25c; 5 lbs., \$1.15.

Horticultural Tools and Sundries

Garden Rakes

- All steel\$0.75
- Malleable iron50
- Bow end 1.25

Wire Lawn or Grass Rake

Made of heavy tinned steel wire. The rake is reversible. 24-tooth. 85c each.

Ole Olsen Lawn Rake

Made of best hard wood, well braced; teeth set close together. 26-tooth, hickory wood. \$1.50 each.

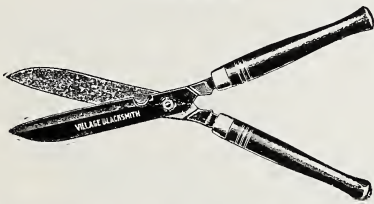
Automatic Lawn Rake

A backward motion of the operator clears all the teeth at once. \$1.75 each.

Dandelion Rake

The rake is so constructed that it cuts off the flower heads and buds, preventing further propagation from seed, when the plants themselves will soon die out. 16 inches wide, \$1.00 each; 20 inches wide, \$1.25 each.

Shears



Hedge Shears. The best steel. 6-inch, \$1.75 each; 8-inch, \$2.50 each; 9-inch, \$2.75 each.

Border Shears. With wheel. Forged solid steel. 36-inch handles. 9-inch \$3.75 each; 10-inch, \$4.00 each.



No. V-53 Grass or Sheep Shears. For trimming around beds, walks, and near buildings. Trowel shank, hollow ground, full polished all over, 6-inch blade. \$1.25 each.

No. V-6 Grass Shear. 6-inch blade, cutlery steel. Full polished, hollow ground, enameled handle and bow. 85c each.

No. V-2 Grass Shear. 6-inch forged blade, good quality enameled handle. 65c each.



No. V-14 Pruning Shear. Full polished forged tool steel, brass spring, ratchet nut. \$1.75 each.

No. V-12 Pruning Shear. Forged tool steel blade, 9 inches. \$1.00 each.

No. V-20 Pruning Shear. Long handle pruning shears with lock-nut. 26 inches. \$2.00 each.

Grape Picking Shears. Straight blades. 50c each.

Cyclone Seeder

A machine which should be on every farm. It is so simple in construction that a boy can use it. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow timothy, clover, millet, grass seeds of all kinds, turnips, corn, and all other seeds perfectly even, and any desired quantity from one quart to three bushels can be sown per acre by following the simple directions on every machine. Price, \$2.00.



SCYTHES, American. \$2.00 each.

SCYTHES, Snathe, Peerless. \$1.50 each.

Shovels

- Steel, square point\$1.75
- Steel, round point 1.75
- Steel, long handle, round point 1.75

Spades

- Steel, polished\$1.75

Lawn Sprinklers

All Sprinklers have connections for 3/4-inch hose.



Rainbow Sled Stand Brass Sprinkler.

Low or high pressure. World's best rain insurance. Does not stick or rust. Water descends in small particles like mist and rain combined over an area of 40 to 50 feet, watering every inch of ground. Instantly set in motion with low water pressure. The Rainbow Sprinkler is supported on a sled, which may be easily drawn over the lawn. The Rainbow Lawn Sprinkler works perfectly from artesian well or tank pressure. \$2.50 each.

Rainbow Standard Stick Stand Sprinkler.

Thirty-six inches long. Covers an area of 40 to 50 feet. \$3.00 each.

Rainbow Nozzle. Makes a full stream or fine spray, which can be changed by a slight turn of the finger; positive shut-off; no leaks; nothing to wear out. \$1.00 each.



Universal Sprinkler. Combination spray and three arm revolving sprinkler; head and arms brass, nickel plated; base japanned black with swivel hose connection. Head perforated, giving more distribution than any other sprinkler. Recommended for heavy pressure. Mailing weight 3 pounds. \$2.75 each.

The Rain King is a real innovation in the sprinkler line, and radically different from any other sprinkler ever made. Small—compact—easily handled. No cumbersome contrivance always in the way. Simple adjustments—made easily. \$3.50 each.

Horticultural Tools and Sundries—Con.

SCOLLAY'S PLANT SPRINKLER. Rubber, for spraying house plants. Large size, \$1.35 each.

HOSE WASHERS. Rubber, 3/4 in. 15c per doz.
HOSE MENDERS. Perfect clinching. 15c each; \$1.50 per doz.

HOSE MENDERS, COOPER. Each, 10c; \$1.00 per doz.

JAPANESE GREEN CANE STAKES. These are very attractive for all purposes of plant staking; thin and very strong.

	Doz.	100	1000
1 1/2 feet	\$0.20	\$0.75	\$5.25
2 feet	.25	.95	6.25
3 feet	.30	1.35	9.00
4 feet	.40	1.50	10.00

JAPANESE NATURAL CANE STAKES. 6 feet. 40c per doz.; \$2.50 per 100; \$6.00 per 250; \$19.00 per 1000. 10 feet, \$6.00 per 100; \$55.00 per 1000.

HYACINTH STICKS, GREEN. 12 inch. 40c per 100; \$2.50 per 1000. 18 inch, 50c per 100; \$3.50 per 1000.

Thermometers

No. 5420. Black japanned heavy tin. For greenhouses. Black oxidized brass scale, white figures. \$1.00 each.

No. 5981, Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade. \$2.50 each.

Incubator Thermometer. Special tested. \$1.00 each.

Garden Trowels



Johnson Forged Steel. 75c each.

No. T-25. Six-inch. Transplanting. One-piece heavy rolled steel. 20c each.

No. T-22. Six-inch bright steel blade. Malleable shank. 25c each.

No. T-20. Six-inch rolled steel, riveted blade, half polished and green enameled. Malleable tang. 30c each.

No. T-15. Six-inch one-piece crucible steel blade and socket, half polished and green enameled. 8 1/2-inch handle. 40c each.

No. T-16. Pressed steel, varnished blade. 15c each.

JUTE TWINE. For bunching, tying grape vines, etc. 2-, 3- and 4-ply, in balls. Market price.

GREEN SEA ISLAND TWINE. For stringing smilax, asparagus, etc. 15c per ball.

Trellises—Wood

Being non-metallic, they will not burn the plants. Painted dark green. Fan-shaped.

Size	Each
18 inch	\$0.40
24 inch	.50
30 inch	.80
36 inch	1.35
42 inch	1.50
48 inch	2.00
60 inch	2.50
72 inch	3.00

Plant Tub

Made of white cedar, painted green, electric welded heavy wire hoop without handles. We sell handles separate. Pair 15c.

No.	Inside Top Diam.	Inside Bottom Diam.	Inside Depth	Each
1	6 in.	5 in.	6 in.	\$0.55
3	8 in.	6 in.	8 in.	.65
5	10 in.	7 1/2 in.	9 in.	.80
7	12 in.	9 in.	11 in.	1.25
8	13 in.	10 in.	12 in.	1.50
10	15 in.	11 1/2 in.	14 in.	2.00
12	17 in.	13 1/2 in.	16 in.	2.50
14	19 in.	15 1/2 in.	18 in.	3.50

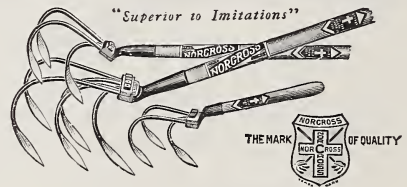
Fern Tub

No.	Top Diam.	Bottom Diam.	Inside Depth	Each
1	8 in.	6 in.	5 in.	\$0.55
2	10 in.	8 in.	5 1/2 in.	.75
3	12 in.	10 in.	6 in.	1.00
4	14 in.	12 in.	6 1/2 in.	1.30

WOTHERSPOON WATERING CAN. Oval shape. 8-qt., \$4.80; 10-qt., \$5.10; 12-qt., \$5.70.

HAVE'S ENGLISH. Valuable for watering fine seeds as well as for all greenhouse and garden work. 3-qt. size, \$5.00; 4 qt. size, \$6.00.

"Norcross" Cultivator and Weeder



5-prong, 4-foot handle; wt., 3 lbs.\$1.25
 3-prong, 4-foot handle; wt., 2 lbs.75
 Midget, 9-in. handle; wt., 12 oz.40



Each, 25c; dozen, \$2.50.

Magic Weeders

These spring tooth weeders are strong in construction and very popular.

C. 6-inch handle\$0.20
 F. 42-inch handle50
 G. 48-inch handle75

EXCELSIOR. For weeding seed beds, stirring the ground, etc. 15c each; \$1.50 per doz.

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Botzum's Famous Lawn Grass Seed

There is nothing more attractive around a home than a beautiful lawn. Nothing is such a constant source of pleasure and adds so to the value of the place at such a small cost. Without a lawn the flowers and plants about the home lose much of their attractiveness.

HOW TO MAKE A LAWN

PREPARATION. The soil should be deeply spaded or plowed, thoroughly pulverized and raked fine and smooth, removing all roots, stones, clods, trash, etc. If not properly graded it should be done now, allowing for water to drain off and not stand in pools. If the lawn is made of clay from recent excavations, it should be covered with three or four inches of good, rich garden soil before the seed is sown.

FERTILIZERS. Pulverised sheep manure is thoroughly satisfactory for lawns. Unless stable manure is well decomposed it contains weed seeds. Sheep manure does not, therefore is preferable. Use five to ten pounds to two hundred square feet (according to soil), working it well into the soil at time of sowing seed.

SOWING. Seed can be sown in the Spring from February to May or in the Fall from August to October. To get it evenly distributed, half the seed should be sown one way, then cross and sow balance at right angles. The seed should be covered by raking or harrowing and then well rolled.

QUANTITY TO USE. On new lawns, use one pound to two hundred square feet; one hundred pounds for one acre. To replenish lawns where turf is thin, use half quantity.

"CLEVELAND PARKS" LAWN SEED. An unrivaled mixture of the purest and cleanest seed. It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. "Cleveland Parks" Lawn Grass Seed germinates quickly, roots deeply; this enables it to readily withstand the intense heat of Summer and the cold in Winter, showing a beautiful, rich green during the greater part of the year. It contains no annual grasses for a quick show, to the detriment of a permanent lawn, but has only those which are lasting and hardy. When a lawn is once established from our seed it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. For a perfect and enduring lawn of closely interwoven, firm, elastic turf, which will flourish under varied conditions of soil and climate and show a luxuriant, rich green growth throughout the year. Lb., 50c; 10 lbs., \$4.50; 20 lbs., \$8.50.

FIFTH CITY LAWN SEED. This mixture is prepared, as far as price will permit, on the same lines as our "Cleveland Parks." It is designed chiefly to meet a demand for a mixture somewhat lower in price for sowing various large areas and the less important places about the home, but is entirely adequate for all purposes. It comprises nearly all the varieties which form our "Cleveland Parks," though necessarily in slightly different proportions. Simply stated, Fifth City Lawn Seed is a good mixture. Lb., 40c; 10 lbs., \$3.50; 20 lbs., \$6.50.

SHADY NOOK LAWN GRASS SEED. Usually it is difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. Lb., 50c; 10 lbs., \$4.50; 20 lbs., \$8.50.

BOTZUM SEED COMPANY, Cleveland, O.

770-774 Central Ave., between Woodland Ave., and E. 9th Street.

Bell Phone: Prospect 2374