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SUPERIOR SEEDS

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J. MANNS & CO.
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STRINGLESS GREEN POD
CRIMSON GLOBE
BONNY BEST
EARLY JERSEY WAKEFIELD
EARLY WHITE BUSH
Kleckley Sweet

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NOTE—INDEX AND PARCEL POST RATES, PAGE 64.
Artichoke

Jerusalem or Tuberous Rooted.

Grown exclusively for their large potato-like roots which are valuable for feeding hogs and for table use, often yielding over two tons per acre. Plant in March or April, two feet apart in 3 foot rows and cover 3 inches deep. 3 bushels per acre or 1 quart to 60 feet of row. They should not be dug in the fall but allowed to remain in the ground to be gathered as needed. An excellent hog feed, preventing cholera, and exceedingly nutritious. When once planted they will continuously come up afterwards, hence for a field crop it is best to select a piece of land which is to be devoted to Artichokes exclusively and an annual crop will be produced for years. Price, 1/2 pk., 35c; pk., $1.00; bu., $3.50.

Asparagus

1 ounce to 60 feet of drill; 1 lb. per acre; 3,000 plants per acre.

Asparagus grows easily in almost any good soil, but best results are obtained in well-enriched, deeply dug, sandy loam. A well cared for bed improves with age, and lasts for many years. It may be grown from seed, but much time is saved by planting roots. The Asparagus plant is slow to die down in the fall, so that the roots cannot safely be dug until about November 1st. By this time the soil is so cool that the plants do not root readily, consequently many are winter killed. For this reason, we advise only spring planting for any point north of Washington, D. C.

We strongly urge all those having enough available space to put in a bed for their own use, following carefully the cultural directions given below.

If you wish to grow plants from the seed yourself, pour warm water on the seed and allow it to stand until cool; pour it off and repeat two or three times with fresh warm water. Now in spring in drills 6 to 8 inches apart and two inches deep in light, rich soil, planting fifteen to twenty seeds to each foot of row. When the plants are well up, thin to about one inch apart and give frequent and thorough cultivation during the summer. If this has been well done, the plants will be fit to set the next spring.

The permanent bed should be prepared by deep plowing or spading and thoroughly enriching the ground with stable manure or other fertilizers; a moist, sandy soil is best. If the sub-soil is not naturally loose and friable, it should be made so by thoroughly stirring with a sub-soil plow or spade. Set the plants about four inches deep and one to two feet apart in rows four to six feet apart. After the plants are well started, give frequent and thorough cultivation. Early the next spring spade in a heavy dressing of manure and about one quart of salt and double the quantity of fresh wood ashes to each square rod and cultivate well as long as the size of plants will permit, or until they begin to die down. The next season the bed may be cut over two or three times, but if this is done, all the shoots, no matter how small, should be cut. After the final cutting, give a good dressing of manure, ashes, and salt. Cultivate frequently until the plants are set in the rows. In autumn after the tops are fully ripe and yellow, they should be cut and burned. A bed fifteen by fifty feet, requiring about one hundred plants, if well cultivated and manured, should give the following season an abundant supply for an ordinary family and continue productive for eight or ten years.

Giant Argenteuil

Famous French variety noted for its earliness and size. It resists rust better than some domestic sorts and is also very prolific, producing an abundance of light green, tender shoots. Pkt., 5c; 1/2 lb., 36c; lb., $1.00.

Palmetto

This is the most popular variety grown for general garden purposes, being more prolific than any other and very uniform. Shoots are light green and tinged slightly with pink. They are not so thick as the Colossal or other white types and are frequently deep green when allowed to grow above ground. This gives a really splendid flavor. Pkt., 5c; 1/2 lb., 26c; lb., 60c.

Columbian Mammoth White

A sport from Conover's Colossal. This splendid, large stalked variety produces white shoots above the surface and requires little if any blanching. Does not always come true from seed, but the green sort can readily be discarded. Pkt., 5c; 1/2 lb., 26c; lb., 60c.

Conover's Colossal

One of the largest and most popular green varieties; stalks are bright green, often tinged purple at the top; very tender and of fine quality. Pkt., 5c; 1/2 lb., 26c; lb., 60c.

Asparagus Roots

From one to two years may be saved by planting Asparagus roots instead of seed. We have found the demand for roots to be greater than the quantities obtainable, and therefore suggest that orders be placed early. Choice, 2-yr. old roots, all leading varieties, $2.50 per 100. Special price on large quantities.


**Varieties Used as Shell Beans**

**Dwarf Horticultural, Fordhook Favorite, and Davis' White Kidney Wax**

Three very satisfactory shell bean sorts have been listed previously.

**White Marrowfat**

This is a very prolific variety and has become a choice family sort both for green shells and dry beans. Pods are broad about 5½ inches long, medium green changing to yellow, having large clear white seeds which cook very dry and mealy. Qt., 30c; pk., $2.00; bu., $7.50.

**Royal Dwarf or White Kidney**

Excellent late variety, green, shelled or dry. Seeds are large, white, kidney shaped, and of fine quality. Qt., 40c; pk., $2.25; bu., $9.50.

**White Navy or Boston Pea Bean**

The standard small seeded, pure white variety which has become so popular for its baking qualities. The yield is invariably very heavy. Sow during June and July in rows three feet apart dropping 2 to 3 seeds a foot apart in the rows. Qt., 30c; pk., $2.00; bu., $7.50.

**Broad Erfurt**

Of foreign origin and entirely different from any other variety, being larger than the ordinary lima, with much darker pods. This sort will prove profitable for market gardeners who have Italian and Spanish trade. Qt., 40c; pk., $2.25.

**Edible-Podded Pole Beans**

For Cultural Directions See Pole Limas.

**Burger's Stringless Green Pod or White Kentucky Wonder**

A new pole variety of great merit, bearing large, brittle, stringless pods of excellent flavor. Dark green in color. It resembles the Kentucky Wonder in form of pod but is much earlier, more productive and bears longer. Seeds white, fine for baking. Qt., 50c; pk., $2.50; bu., $9.00.

**Kentucky Wonder or Old Homestead**

This old standard variety is early and produces round, green pods about 5 inches long. Splendid for use as snaps for the home gardener as it continues to bear a full period. Seed light brown. Qt., 50c; pk., $2.50; bu., $9.00.

**White Creaseback**

Excellent as a snap bean as well as dried for winter use. Pods 5 inches long, fleshy, stringless and borne in clusters. Very productive. Qt., 50c; pk., $2.50; bu., $9.00.

**Horticultural Cranberry or Wren's Egg**

An old favorite both as a snap and shell bean. Medium early, producing large quantities of 5 and 6 inch pods which are broad, thick, and of fine flavor. Qt., 50c; pk., $2.50; bu., $9.00.

**Cut Short, Red Speckled or Corn Hill**

Popular variety for planting among corn instead of using poles. Will give a good crop of fine quality, short, round, tender pods. Qt., 45c; pk., $2.50; bu., $9.00.

**Lazy Wife**

One of the best general purpose pole beans: of superior quality as a snap, green shelled or dried bean. Pods which are borne abundantly throughout the summer are very easily gathered and entirely stringless, brittle, light green in color and of a mild, sweet flavor. Seed pure white, 6 to 8 in each pod. Qt., 50c; pk., $2.50; bu., $9.00.

**Yard Long, Celestial or Asparagus Bean**

Some what of a curiosity and yet possessing excellent qualities. It is very prolific, absolutely rust proof and a rank grower. It will produce pods 18 to 24 and sometimes 30 inches long. An excellent table vegetable, the pods being tender, stringless and of a rich asparagus flavor. Qt., 10c; pt., $1.00.
Pole Lima Beans

1 quart to 150 hills; 8 to 10 quarts per acre.

Pole beans do not bear as early as the bush varieties but they are more productive; their bearing season is longer and their beans are more easily gathered. They succeed best in a warm sandy loam which has been enriched with well rotted manure. If poles are used they should be set three to four feet apart each way. After the ground has become warm and dry, plant 4 to 6 beans to a pole and when well started out to 2 or 3 plants to a pole. By placing the seed eyes down they will germinate more quickly and for this reason are less liable to rot. Cultivate frequently but shallowly.

Early Leviathan. The Early Leviathan stands supreme because of its combined qualities, earliness, size and productiveness. The large seed filled pods are borne in clusters of five to ten and are spaced over the entire vine. They are well filled with large fleshy beans of excellent quality, delicate pale green in color. (1 qt., 25c; 2 qt., 45c; pk., $2.75; bu., $9.50)

Seibert's Large Early. Early, very productive and of good quality; pods dark green, well filled with 3 to 4 large beans. Qt., 45c; pk., $2.75; bu., $9.00.

Carpinteria. A desirable pole lima for the home and market garden, producing an abundance of large four-seeded, medium green pods. The color is distinctive in having a decided greenish tinge, an indication of very fine quality. The beans are thin skinned, delicate in flavor and retain the distinct green tinge even when dried. (Qt., 50c; pk., $2.75; bu., $10.00)

Ideal. One of the largest and most valuable of the medium late varieties, producing a tremendous crop of seven-inch pods, which are filled with six to eight large beans. Seed large, oval, flat white with slight greenish tinge. Splendid for market gardeners. Qt., 50c; pk., $3.00; bu., $11.00.

Ford's Mammoth Poddled. The pods average 7 inches and are large, produced in great clusters, without 5 to 6 beans per pod, of most excellent quality for using either green or dry. Medium early. Qt., 45c; pk., $2.75; bu., $10.00.

King of the Garden. This is the best and most popular main crop variety. Vines are strong and vigorous, setting pods early and continuing to bear until frosts, and producing extensively by market gardeners because of its very prolific nature and the immense size of the pods, which are very thick skinned, handsome; of medium dark green color, broad, flat and filled with four or five large white beans of finest quality. Qt., 50c; pk., $2.00; bu., $9.50.

Challenger or Deere's Pole. Vigorous, productive, and quite much thicker than any other sort and filled with four thick beans so closely set that the ends are flattened. A favorite among market gardeners. Qt., 50c; pk., $3.00; bu., $11.00.

Giant Podded. The largest podded lima in cultivation; extremely vigorous in growth, mid-season. Pods are borne in clusters of 5 to 8 and measure 7 inches long and 1 1/2 inches broad. The beans are extra large and of excellent quality. Qt., 50c; pk., $2.75; bu., $13.00.

Carolina or Sieva. Beans small and white, somewhat like Henderson's Bush Lima, the butter bean of the South; pods 3 inches long and curved, very early, vigorous and productive. Qt., 50c; qt., 45c; pk., $2.75.

Dwarf or Bush Lima Beans

Large seeded sorts, 1 quart to 100 hills; 1 bushel to the acre.

Small seeded sorts, 1 quart to 150 hills; 3 pecks to the acre.

These varieties require no support, are about two weeks earlier than the pole beans, and can be planted closer in the rows. They are therefore used by large growers and by gardeners who do not find it convenient to use pole beans. After danger of frost is past and the ground has become warm, plant in 3 ft. rows dropping 3 seeds to a hill and the hills 15 inches apart.

Early Giant Bush Lima. The largest and earliest bush lima; two weeks earlier than Fordhook, very prolific and of excellent quality. Pods contain 4 to 6 large, close setting beans, and are borne in clusters of 8 to 10. Plant very vigorous and upright, often attaining a height of 48 inches. Qt., 50c; pk., $3.00; bu., $12.00.

Fordhook Bush Lima. A most excellent variety and exceedingly popular with market gardeners. Plants are a large bushy variety, with long prostrate vines. The plants are freely branching and very erect in their growth. Four or five large, very thick beans are contained in each pod and the plants continue to produce large quantities from July until frost. The beans become very thick when cooked, being a distinct improvement over the rather dry and mealy character of other varieties of this size. Very popular. Qt., 50c; pk., $3.00; bu., $11.00.

Burpee's Improved Bush Lima. A very prolific and consonant variety of very hardy, vigorous, and true bush growth, bearing clusters of 10 to 12 pods measuring 5 to 6 inches long with 8 to 10 thick filled, handsome beans. The pods are borne abundantly, the size and well filled with handsome beans which are both larger and thicker than those of the regular Burpee's Bush Lima. Qt., 50c; pk., $3.00; bu., $11.00.

Deere's Wonder Bush Lima. A thick seeded variety of very high quality; equally productive with Burpee's but a week later. Qt., 50c; pk., $3.00; bu., $11.00.

Henderson's Bush Lima. This variety is the most popular of the small seeded bush lima varieties and produces large crops of 3 inch pods containing 2 to 4 small, flat, white beans of good quality. Hardy, early and immensely productive; and of excellent quality either green shelled or dry. Qt., 45c; pk., $2.50; bu., $9.00.

Wood's Prolific or Henderson's Improved Bush Lima. Greatly resembles Henderson's Bush Lima in form and habit of growth, but produces much larger and thicker beans, equally as good in quality and very prolific. Qt., 30c; pk., $2.75; bu., $10.00.
Swiss Chard or Spinach Beet

This excellent vegetable is grown for its large, broad leaves which make a delicious dish when prepared like spinach or asparagus. The increasing demand proves conclusively that this variety is finally receiving the attention its many valuable characteristics deserve. It produces all tops and no edible root, the leaves standing 2 to 2 1/2 ft. high, growing well even in hot weather when spinach fails altogether. It soon sprouts again after cutting and gives several crops each year.

Plant the seeds the same as ordinary beet seeds but thin out at first to 6 inches apart, later to 1 foot apart. Ready for use in about 60 days.

Large Ribbed White
ish-green in color, having very broad, white, tender midribs which are prepared and served like asparagus. The leafy portion is cooked similar to spinach. Pkt., 5¢; oz., 10¢; 1/4 lb., 20¢; lb., 75¢.

Lucullus
An improved type of Chard, being more upright growth. The leaves are dark green with white mid-rib and veins; very much crumpled and curled. The stalks are thick and broad and as large as chard. Pkt., 5¢; 1/4 lb., 25¢; lb., 75¢.

Collards
This is a tall, loose leaved kale-like plant grown throughout the South for table use and for stock feeding purposes. Collards usually succeed in locations where cabbage cannot be grown to perfection. One ounce of seed will sow 200 feet of drill; two pounds per acre.

Georgia, Southern or Creole
The chief Southern variety for greens, growing 2 to 3 feet high and forming a large, open head of clusters of leaves with a rather long stem. Quality is improved by a light frost. Pkt., 5¢; 1/4 lb., 25¢; lb., 75¢.

Chives
Chives are a small hardy perennial plant, resembling the onion in appearance and growing in clusters. They are grown for the young leaves, which are produced freely from early in the spring and give a mild onion flavor to sausages, salads and various dishes. Pkt., 10¢. Roots per bunch, 10¢.

Swiss Chard—Lucullus.

Borecole
Superior to the ordinary Kale in quality and extensively grown in this section for marketing during the winter months, as other vegetables are scarce. Borecole should be grown like cabbage, the seed being sown from early spring to the middle of August. It is customary to pull off the lower leaves and let the plant grow on to furnish a continuous supply.

Hardy Winter
This variety is the most salable and profitable sort for either the home or market gardener. The plant attains a height of 18 inches and produces an abundance of beautiful light green leaves, which are densely curled and crimped. It is extremely hardy and has the additional advantage of putting forth a second crop of leaves after the first have been gathered or have fallen off. This new growth of sprouts is of the finest quality and is ready for market during the winter months and early spring, when it commands a fancy price in the markets. It is better not to cut or handle the plants while frozen but if this is unavoidable, thaw them out in cold water. Pkt., 10¢; oz., 20¢; 1/4 lb., 60¢; lb., $2.00.

Mossbach
A half dwarf, white ribbed variety of very distinct appearance. Its gracefully curved light green leaves are self-folding which causes the heart to blanch to a beautiful yellow. It matures very early and is superior to all other varieties in quality and flavor for fall use. It is not hardy however, and should be gathered before frost or protected. Pkt., 10¢; oz., 20¢; 1/4 lb., 60¢; lb., $2.00.

Dwarf Green Scotch
This excellent sort is low spreading and compact in its nature of growth, forming a mass of leaves which are beautifully curled and moss-like in appearance. The color is an attractive bright green and the quality is excellent. Being quite hardy, the plants will remain green throughout the entire winter where the temperature does not fall below zero. This strain is also called Norfolk Kale and is extensively grown in this section and farther South for the Northern markets. Pkt., 10¢; 1/4 lb., 50¢; lb., $1.00.

Brussels Sprouts
1 oz. will sow 500 ft. of drill or 3,000 plants.

Brussels Sprouts are grown for use during the fall and winter months. An abundance of sprouts, resembling miniature cabbages are produced over the entire stem from tip to the ground. When the young sprouts are well formed the lower leaves should be stripped off to aid the formation of the heads. Sow the seed thinly in drills in April for early crop or in early June for a late fall crop. After the plants are 6 inches high transplant to rows which are 2 to 4 ft. apart and 18 to 24 inches apart in the rows. The plants are hardy and in this section will live out through the winter without protection. The sprouts are improved in quality and flavor by frost.

Danish Prize
Found to be the best variety both in quality and productiveness. The sprouts develop very evenly over the entire stem, the lower sprouts being as tightly folded and as solid as those higher up. Consequently a large crop can be gathered. Unsurpassed in quality. Pkt., 10¢; oz., 50¢; 1/4 lb., 50¢.

Brussels Sprouts—New Danish Prize.
Table Beets

1 oz. to 50 feet of drill; 5 lbs. to the acre.
The soil for beets should be light, rich, fine and deeply cultivated. Smooth beets cannot be grown if fresh manure is used. If wanted very early, sow in hot beds and transplant, cutting off the outer leaves. For early outdoor crop plant the seeds about 1 inch apart and 1 inch deep in rows 1 to 2 feet apart, firming the soil about the seeds by walking on the row. This should be done as soon as the ground can be worked and for table use, plants should be made every three weeks. Thin out the plants to 3 inches apart. For main crop sow in the early part of May while for winter use they may be planted up to Oct.

Extra Early Flat Egyptian
One of the very earliest, excellent for forcing and early crops. Roots are nearly flat, very dark red, have very small tap root and are of fine quality when young. They measure 2 inches in diameter when mature and have very small tops. Pkt., 5c; 1/4 lb., 20c; 1 lb., 50c.

New Model “Early Spring” A very good early variety in the open ground. Perfect in shape and of a beautiful red color, very uniform in size and shape, the entire crop maturing during the same week. Short tap root and small tops. Pkt., 10c; 1/4 lb., 30c; 1 lb., $1.00.

Crosby’s Egyptian
This is the most popular early variety for the trucker or home gardener, as the roots are smooth, globular, deep red in color, tender, sweet and richly palatable when served. This should not be confused with Flat Egyptian as it is similar only in point of carliness, and size of tops and tap root. Pkt., 5c and 10c; 1/4 lb., 20c; 1 lb., 60c.

Early Eclipse
An early variety with small tops and medium sized, round, bright red roots; flesh dark with zones of lighter color. Pkt., 5c and 10c; 1/4 lb., 20c; 1 lb., 50c.

Electric
Extra early, almost round, with very small leaves set close to the crown, deep red, smooth skin, with a dense, green, slightly zoned, quality. Good, being tender, sweet and free from fibre. Pkt., 5c; 1/4 lb., 20c; 1 lb., 60c.

Crimson Globe
An excellent main crop variety of medium size, globe shaped, with a remarkably smooth surface and high in quality, being tender, crisp and never stringy. The flesh is very deep purple, slightly zoned in lighter and darker shades, is without roots and the foliage is small and attractive. Extensively used by market gardeners. Pkt., 5c; 1/4 lb., 20c; 1 lb., 60c.

Eureka
Early sort, growing 3 to 4 inches in diameter. Of good quality and color and never as valuable as the extra early varieties. Pkt., 5c; 1/4 lb., 25c; 1 lb., 75c.

Edmund’s Blood Turnip
Second early; short tops, nearly round, flesh purplish red, with little zoning; a good keeper. Pkt., 5c; 1/4 lb., 20c; 1 lb., 65c.

Detroit Dark Red
Careful comparison with all prominent varieties on the market prove Detroit Dark Red to be the most uniform in size and shape, the most attractive in color, and unsurpassed in quality. The tops are small and upright in growth with dark green leaves shaded with red. The roots are globular, of medium size, very smooth and dark blood red in color. Excellent for bunching, making a handsome appearance when offered for sale. Definitely the best variety for either the home or market gardener, and on account of its uniformly deep rich color is most desirable for canning. May be planted for early or main crop. Pkt., 5c; 1/4 lb., 25c; 1 lb., 75c.

Detroit Dark Red Beets.

Beets—Mangel and Sugar

The Mangel Wurzel, also called Mangel, Field Beet and Cow Beet is extremely valuable for stock feed. Very large yields are produced on almost any soil, but a deep, rich loam is most suitable. Sow 1 ounce to 100 feet of drill, 6 lbs. to the acre in drills and 15 to 20 lbs. to the acre if sown broadcast. Plant from middle of May to middle of June in drills about 2½ feet apart and 1 inch to 1½ inches deep. When the plants are about three inches high begin thinning out and continue at intervals until they stand 8 inches apart in the rows. By thoroughly firming the soil over the seeds after planting and immediately cultivating, more uniform germination and a more even maturing crop will result.

Mammoth Long Red
Attains enormous size, producing thirty to fifty tons per acre. The roots are straight, well formed and much thicker than other sorts. Grows well above the ground and is therefore easily gathered. The flesh is white tinged with rose. Highest feeding qualities. 1/4 lb., 20c; 1 lb., 60c; 5 lbs., $1.75.

Lane’s Improved Sugar
The best general purpose stock feeding known. It is an American variety and in comparison with the French sorts is much larger and finer grained. White flesh, high in quality and a good keeper. Pkt., 5c; 1/4 lb., 15c; 1 lb., 35c.

Danish Improved
Very large and heavy, oval shaped roots, which are very sweet and most desirable for stock feeding. 1/4 lb., 15c; 1 lb., 40c.

Golden Giant Intermediate
A fairly uniform, long, redish-yellow, oval shaped root, growing half above the ground, very heavy and of good quality. 1/4 lb., 15c; 1 lb., 40c; 5 lbs., $1.75.

Golden Tankard
The best Yellow Mangel in cultivation. It contains a larger percentage of sugar than the red sorts. Very desirable for feeding purposes and easily harvested. 1/4 lb., 15c; 1 lb., 35c.
Cabbage

1 oz. for 2,000 plants; ½ lb. per acre.

CULTURE: The best results are obtained from a welldrained, deep rich loam. The very early varieties should be sown about Sept. 15th and in 4 or 5 weeks transplanted to coldframes, from which they are transplanted to open ground from March 15 to April 15. If this is not done, the seed should be sown in hotbeds in February; making plantings later of course according to variety and time crop is wanted. The earliest sorts should be set out in rows 2 feet apart and 18 inches apart in the rows. If it is not especially desired to have very early cabbage the seed may be sown in open ground and transplanted after 4 weeks. For second early crops sow in April and transplant in May; these will mature in July and August. The late varieties should be planted in May and transplanted in July to rows 3 ft. apart and 2 feet apart in the rows; these will mature from September to November.

Cabbages should be hoed every week and the ground thoroughly stirred as they advance in growth, drawing a little earth to the plants each time until they begin to head, when they should be thoroughly cultivated and left to mature.

First Early Sorts

Early Jersey Wakefield The earliest and surest heading of first early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Its exceeding hardiness, not only to resist cold, but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Our stock is grown and selected with the greatest care; there is none better, and there are few as good. Plant compact and erect or very slightly spreading, with few outer leaves, which are smooth, thick, nearly oval and light green. Stem short. Heads of medium size, very solid, uniformly pointed and of excellent quality. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., $2.00.

Charleston or Large Wakefield Produces larger and less pointed heads than Jersey and a week or two later in maturit. The heads are very solid and the leaves are large, smooth, thick. It is exceedingly hardy and has become very popular with growers and shippers because of its earliness and size. An excellent successor to Early Jersey Wakefield. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., $2.00.

Copenhagen Market This very fine, large round headed variety is of Danish origin and has proven to be very valuable to the American grower. It is nearly as early as Jersey Wakefield, being the earliest large round head variety in cultivation. The heads average about 10 lbs., and the stems are very short. Close planting is possible because of the fact that there are very few outer leaves, the heads are short and the heavy heads very compact. Pkt., 10c; oz., 25c; ½ lb., 75c; lb., $2.50.

Early Winnigstadt Medium early, short stem variety producing the hardest heads of all the early sorts. They are fine grained, cone shaped and more sharply pointed than Jersey. The leaves are dark green in color, smooth, having a peculiar and distinct twist at the point of the head. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

New Leader Solid heads very early but developing larger heads if allowed to stand. Oz., 25c; ½ lb., 75c; lb., $2.50.

Eureka First Early The earliest short stem, round headed variety, comparing favorably with Copenhagen Market but a little smaller and earlier. The quality is excellent and it is a reliable header and a sure variety for early culture. It is disease resisting qualities. Popular with market gardeners as it matures at the same time as the early pointed varieties. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., $2.00.

Second Early Sorts

New Glory This second early variety is very sure heading and of excellent quality. The plant is of vigorous growth, with large and rather spreading outer leaves which are noticeably curved and frilled. The head is globular or very nearly round, very solid and of large size for so early a variety. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., $2.50.

Volga One of the earliest main crop cabbages of superior quality. Very desirable where a large, uniformly round headed variety, with short stem and compact growth is wanted. This sort matures very early, for a variety furnishing such large heads of excellent shape. It is also exceptionally hardy and a good keeper. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., $2.50.

Fottler's Short Stem Rapid Grower Heads are large and solid and of excellent quality. Outer leaves, short stem. Oz., 25c; ¼ lb., 75c; lb., $2.50.

All Head Early or New Early Remarkably solid and uniform in color as well as in shape and size, its sure heading qualities and tenderness make it a favorite for the home garden. By reason of its compact growth, it is possible to produce 1,000 more heads per acre than many other good sized varieties. For winter use sow in July. Splendid sort for kraut making. Pkt., 10c; oz., 25c; ½ lb., 75c; lb., $2.50.
Cabbage
---Continued

Early Flat Dutch Excellent large early flat sort, producing solid heads that mature with Early Summer. The stem is short and it has comparatively few outer leaves. Compares favorably with Large Late Flat Dutch but much earlier and smaller. Pkt., 10c; oz., 25c; 1/4 lb., 55c; lb., $2.00.

American Drumhead Savoy This is the finest of the tight from all other sorts. It forms the hardest heads and is the best for either early or late crops. The leaves are heavily crimped or savoyed and grow closely about the large, solid, dark green heads. The flavor is far superior to that of other cabbages, and for this reason is very much in demand. It is an excellent keeper and very hardy. Entire "pit" of it will keep in perfect condition until May. Oz., 25c; 1/4 lb., 75c; lb., $2.25.

Early Summer Heads medium in size, round, somewhat flattened, compact and solid; outer leaves spreading and light green in color. Ten days later than Jersey Wakefield, and one of the best large second early sorts. Oz., 25c; 1/4 lb., 55c; lb., $2.25.

Henderson's Succession The best very large midseason cabbage, about a week later than Early Summer but much larger and can be planted closer because of its compact growth. It is sure to head, very uniform in habit and the quality is excellent. Oz., 35c; 1/4 lb., 70c; lb., $2.25.

All Seasons A reliable variety to use when only one planting of cabbage is made. It is equally as good for fall and winter as for summer use. Nearly as early as Early Summer and much larger heads of the best quality are produced. Pkt., 10c; oz., 25c; 1/4 lb., 70c; lb., $2.25.

Sure Head Extremely popular with the private gardener because of the sure heading qualities and the remarkably large, uniform, heavy heads. A good keeper and one of the best for late crops. Pkt., 10c; oz., 25c; 1/4 lb., 70c; lb., $2.25.

Lupton A grand Cabbage, combining the qualities of the second early and late sorts. It is vigorous, perfect in type and has the fine qualities of the early maturing varieties. The stem is short and the heads are large, uniform and dark green in color. It is sure to head and is an excellent keeper. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., $2.50.

Danish Ball Head or Holland A very hardy, sure heading variety which has proven to be the best keeper and the most desirable for distant markets. The plants are vigorous, compact and have a stem of medium length. Exceedingly hard and standing dry weather very well. Extremely solid, large and heavy heads are produced. Pkt., 10c; oz., 25c; 1/4 lb., 65c; lb., $2.50.

New Danish Round Head Compared with Danish Ball Head, has less outer foliage. The heads are larger in size and are set on shorter stalks, maturing two weeks earlier. They are extremely hard and solid, of sweet flavor and tender texture. It is very slight resisting and vigorous in growth during the hot summer and good keeper. Oz., 25c; 1/4 lb., 75c; lb., $2.50.


Gentlemen:—I am pleased to tell you that your strain of Savoy Cabbage is the best I have ever grown. My success with this crop has been far beyond my expectations and I have had two heads of average size photographed so that you may have some idea of the size. (Notice the bushel size market box almost hidden).

You should have seen the field before we started cutting. It was a beautiful sight; rows and rows of uniformly large, heavy, dark green heads developed to a degree of perfection unsurpassed.

I have always found your seeds to be absolutely dependable and moderately priced, resulting in profit and success.

Yours truly,

JOHN L. SCHAFER.

Late or Winter Sorts

Premium Flat Dutch A very good variety for fall use or for making kraut. The heads are very solid, tender and of superior quality. They mature earlier than other late varieties but do not keep as well over the winter. Pkt., 10c; 1/4 lb., 60c; lb., $2.00.

Extra Large Late Flat Dutch The best and most profitable of the late varieties. All the qualities a winter variety should have. It is hardy, vigorous, and high in quality. The heads are "as solid as a stone" and for that reason keep well for winter use. The leaves are formed about the head in such a way as to resemble a saucer. In which the light rains and dews collect, the moisture then being absorbed through the stem by the roots. This gives an added advantage when a very dry season is experienced. A favorite with the private gardener as well as the trucker. Oz., 30c; 1/4 lb., 60c; lb., $2.00.

Autumn King or World Beater One of the finest strains of late Cabbage. It produces regular, even heads of enormous size; a great cropper on account of few outside leaves. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., $2.50.

Mammoth Rock Red This is the largest and surest heading red Cabbage yet introduced, and much better than the stocks offered as Red Drumhead. The plant is large, with numerous spreading leaves. The head is large, round, very solid of very attractive deep red color. Nearly every plant will form an extra fine head. Pkt., 10c; oz., 50c; 1/4 lb., $1.75.
Cauliflower

1 ounce to 2,000 plants.
This delicious and very profitable vegetable is not as extensively grown as it should be because many gardeners have an erroneous opinion that cauliflower is difficult to grow. Anyone will be reasonably sure of success if the following suggestions are followed:

For an early crop sow the seeds either indoors or in a hot-bed in January or February, transplanting them to 2 or 3 inches apart thus allowing the plants to put forth a vigorous growth before being set in the permanent rows.

As soon as danger of freezing is over, set the plants in the open ground in rows 2½ to 3 feet apart and 12 inches apart in the row. The soil for Cauliflower should be like that for cabbage, but it is better if an additional quantity of manure is used so that the ground is very rich. Cultivate often and thoroughly. To fall crop sow the seeds during April or May. It is well to plan so that the early crop heads before very hot weather and the late crop matures after hot weather.

Plenty of moisture is needed at all stages of growth but is especially necessary when the plants are heading. At this time the leaves should be loosely tied over the heads as a protection from the sun. Cauliflower is highly esteemed for its mild, delicate flavor and the extreme tenderness of the solid white heads and always commands a favorable price in the markets.

Early Snowball The best early variety in cultivation.

If planted March 1st, large heads will be produced early in June, and scarcely a single plant will fail to form a head. Its compact habit renders it a very profitable variety to force under glass, and it does well for late planting also.

Our stock cannot be excelled in quality. Pkt., 25c; oz., $1.50; lb., $20.00.

Extra Early Dwarf Erfurt (Extra Selected.) This is the choicest selected strain of the popular Erfurt type, and is remarkable for its extreme reliability in heading. Nearly as early as Early Snowball. Pkt., 20c; oz., $1.25.

Dry Weather Cauliflower

Especially adapted for growing in dry locations where nearly all other varieties fail, and for heads of good size. Dry Weather, which is also known as Gilt Edge and Danish Giant, is about one week later than our Early Snowball, is much larger and with much more foliage; hence it is not so suitable for forcing. The heads are very large, white, firm and compact, and being well protected by the dense foliage, are easily blanched and remain fit for use for a long time. Pkt., 25c; oz., $1.50; lb., $20.00.

Celeriac

Celeriac or Turnip Rooted Celery is grown for its edible roots which keep well for winter use and are excellent for flavoring. Sow seed and cultivate same as celery, with the exception that it is not necessary to blanch the plants. When the roots grow to a diameter of two inches they are fit for use. To keep these through the winter, dock them, let the tops die down, then dig them and store them in a cellar or leave them out of doors, covering with earth and straw for protection.

Large Smooth Prague

An improved form of turnip rooted celery. One of the largest, very smooth, and almost round with very few side roots. Plants are vigorous, with large dark green foliage. French grown stock Pkt., 3c; oz., 25c; ¼ lb., 15c; lb., $2.50.

Cress

Sprinkle seed freely along shallow drills 1 foot apart at intervals through spring and summer, as desired.

Curled or Pepper Grass This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Pkt., 3c; oz., 25c; ¼ lb., 15c; lb., $2.00.

True Watercress This is quite distinct from the last, and only appears when its roots and stems are submerged in water. Pkt., 10c; oz., 50c.

Cauliflower Plants: We are especially equipped to supply strong healthy plants, fresh daily. Per doz. 25c; per 100 $1.60; per 1000 $12.00.
Carrots

Our stock is grown from choice selected and transplanted roots only, and are of the truest type and richest color money can purchase.

CULTURE. The culture of carrots is of the simplest. Any good soil will grow this vegetable, but the most perfect roots, however, are developed in rich, friable soil, preferably sandy loam. The flavor and tenability of the table varieties is secured by having a quick growth, which usually means good growing weather and proper cultivation. Sow as early as the ground can be worked or for late crop until the latter part of July, in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches in the drills. The seed is slow to germinate and is sown early or on moist soil, half an inch deep enough. When sown during the hot summer months it is well to protect the seed bed with a thin layer of chips or straw as excessive heat will kill the vitality of the seeds before they germinate. After the seed has sprouted remove the covering, selecting the late afternoon for this work. Carrots are usually quite free from pests and diseases. The usual danger from ground worms and slug is of course always prevalent, but once up they are easier to grow than most vegetables. They are ready for table use in about two months.

Early Horn. The most popular forcing variety, producing top-shaped reddish-orange roots about three inches long. Very early with small tops. Second in size, fine grained and of good quality when pulled young. Popular for early marketing but small. Pkt., 5c; ¼ lb. 25c; lb. 75c.

Oxheart or Guernando. One of the most popular sorts for table and stock. When full grown, ½ to 6 inches long, but should be pulled young for table use. Very stout and thick, ending in an abrupt small tap root. If the soil is too wet this variety will sometimes split badly, but this can be prevented by properly controlling the drainage. Very easily harvested and can be grown in very shallow soils where other sorts would not thrive. Quality excellent. Pkt., 5c; ¼ lb. 25c; lb. 75c.

Chantenay or Model Carrot. A most excellent, medium early, half-long variety. Its quality, shape, and size make it the best and most profitable sort for either the home garden or for marketing. The roots grow to a length of about 6 inches, very uniform, stump-rooted but tapering slightly. They are smooth, deep orange-red in color and the flesh is very crisp and tender, being fine grained and of highest quality for table use. The tops are a little larger than those of Chantenay and the crown is flat, the roots taper very slightly from the crown but form a blunt point at the tap root. For main planting this sort has no superior, and when sown during May may be depended upon to produce the very best crop of roots to store for winter use. Pkt., 5c; ¼ lb. 25c; lb. 75c.

New Sunrise. This new variety, originated and developed by a Danish specialist, is sure to be recognized as the leading carrot as soon as it comes on the market. The trials fully confirm all claims set forth by the originator. It is of the most perfect form, pointed-rooted, bright-red, above and below. In length it is the brightest scarlet as to skin, the smoothest grain or texture as to flesh of all the half-long carrots. Be sure and order at least a trial packet. Pkt., 5c; oz. 15c; ½ lb. 40c; lb. $1.60.

Danvers Half Long. This is an exceptionally fine Carrot for private and market garden use. It is slightly longer than Chantenay and our strain produces uniformly smooth and evenly sized roots of handsome appearance. They are orange-red in color and the flesh is very crisp and tender, being fine grained and of highest quality for table use. The tops are a little larger than those of Chantenay and the crown is flat, the roots taper very slightly from the crown but form a blunt point at the tap root. For main planting this sort has no superior, and when sown during May may be depended upon to produce the very best crop of roots to store for winter use. Pkt., 5c; ¼ lb. 25c; lb. 75c.

St. Vallerie or New Intermediate. A long pointed variety, very smooth and regular in growth, resembling Long Orange, except in size, being thicker at the shoulder and not so long. They grow to a length of 9 to 10 inches and are about 2 to 2½ in thick at the shoulder tapering in a straight line to the tip. The roots grow entirely under ground and are bright orange scarlet in color. Pkt., 5c; ¼ lb. 25c; lb. 75c.

Improved Long Orange. A stand and late variety, beautiful and uniform in shape, deep orange in color. The roots grow to a length of 12 inches and are of good quality for table use as well as for stock. They require a deep soil and if full size roots are wanted they should stand at least 8 inches apart in 18-inch rows. The tops are not large when compared with the size of the roots and a very heavy crop can be produced. The keeping qualities of this splendid variety are unexcelled and will be found to be very beneficial when fed to stock. Carrots are highly nutritious and their high feed value combined with the low cost of production makes them a very profitable crop for dairymen. Pkt., 5c; ¼ lb. 20c; lb. 60c.

Chantenay.

Oxheart.
Celery

1 ounce to 1,000 plants.

Celery seed is very slow to germinate and therefore should be started indoors in boxes from February to April or sown in the open during May or June. In May the prepared seed bed should be thoroughly well enriched with rotted manure, which should be spaded in deeply, the rows being spaced 3 to 4 feet apart. Cut off some of the root and set the plants about 12 inches apart in rows, five to six rows in each bed. Cultivate them frequently for a period of six weeks. Celery needs plenty of moisture.

When the plants are nearly full grown they should be blanched. This is done by drawing the soil closely about the plants to about two-thirds of their height, being careful not to allow any of the earth to fall between the leaves. Repeat this process every few days until only the tops of the leaves are visible. Do not disturb the plants while they are wet or the soil is damp as this is liable to result in injury from rust.

White Plume A very popular market variety, being very early, easily blanched and of handsome appearance. The leaves are light, bright green and the flesh is a beautiful ivory-white color, not as good akeeper as French Golden Self-Blanching. Pkt., 25c; 1/2 lb., 75c; lb., $2.50.

French Golden Yellow Self-Blanching (Originator's Stock). This is the standard celery for early use, being ready for use as early as any other variety and much superior in a great many respects. Our strain of this very popular sort cannot be excelled in quality or appearance. The stalks are very short, compact and stocky, with yellowish green foliage. As they mature the outer leaves and stems turn to a heart, giving the plant an appearance that adds much to their appearance and makes the work of blanching much easier. The stalks are solid, crisp, tender, free from strings and of a fine nutty flavor. A favorite with both large and small growers. Pkt., 10c; oz., 75c; 1/2 lb., $2.50; lb., $9.00.

Golden Self-Blanching (American Grown Seed). An early sort, of very compact growth, with thick, solid, heavily ribbed stalks which are very easily blanched to a clear waxen yellow. Pkt., 5c; oz., 25c; 1/2 lb., 75c; lb., $2.50.

Silver Self-Blanching Somewhat similar to French Golden Self-Blanching in habit of growth but having a more compact, blanched habit. White Plume in color. High in quality, very brittle and free from strings. Pkt., 10c; oz., 50c; 1/2 lb., 75c; lb., $2.50.

Easy Bleacher Two weeks later than Golden Self-Blanching. Blanches readily and is a great favorite with Southern growers who usually plant a full crop of this one sort. Vigorous in growth and a splendid keeper. Pkt., 10c; oz., 40c; 1/2 lb., 25c; lb., $3.50.

Winter Queen A favorite for long, slow winter keeping, producing thick, white stalks which are broad and very solid and compact. The hearts are large and it blanches well. Pkt., 5c; oz., 25c; 1/2 lb., 60c; lb., $2.50.

Evans' New Triumph This variety has a very strong and vigorous plant, with very large but crisp, brittle, tender and fine-flavored stalks. It is late, but requires the whole heat ton be used and will keep longer than other sorts. We recommend it for the first clam late Celery. Pkt., 5c; oz., 25c; 1/2 lb., 50c; lb., $1.75.

Kalamazoo A large sized, vigorous growing variety; stalks white, round and distinctly ribbed; very crisp, perfectly solid and of superior flavor; matures a little earlier than Giant Pascal. Pkt., 5c; oz., 20c; 1/2 lb., 50c; lb., $1.50.

Sweet Nut Very high flavored; perfectly stringless. Pkt., 5c; oz., 25c; 1/2 lb., 75c; lb., $2.50.

Boston Market It is a vigorous grower and very branching and an excellent keeper. Pkt., 5c; oz., 25c; 1/2 lb., 50c; lb., $1.75.

Golden Heart A distinct variety of sturdy dwarf habit. It is solid, and an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellowish flesh, and exceedingly showy and desirable for either market or private use. Pkt., 5c; oz., 25c; 1/2 lb., 60c; lb., $2.00.

Columbia It is a variety of large size and very compact, being short and wide, and very solid. Pkt., 5c; oz., 25c; 1/2 lb., 60c; lb., $2.00.

White Plume A very popular market variety, being very early, easily blanched and of handsome appearance. The leaves are light, bright green and the flesh is a beautiful ivory-white color, not as good akeeper as French Golden Self-Blanching. Pkt., 25c; 1/2 lb., 75c; lb., $2.50.

Giant Pascal It is a vigorous grower and very branching and an excellent keeper. Pkt., 5c; oz., 25c; 1/2 lb., 75c; lb., $2.50.

Corn Salad

1 ounce will sow 20 square feet; 6 lbs. to the acre.

ACKER SALAD A vegetable used as a salad. It is sown and is fit to use in 6 or 8 weeks from sowing. It is sown in early spring, sow in September; cover with straw frames, covered with straw mats or shutters, and used any time during the winter. Large seeded German, 1/2 lb., 25c; lb., 75c.

Pop Corn

White Rice The most popular variety. The pearly white grains are pointed and set closely on a small cob. 10c per lb.

Queen's Golden Yellow 10c per lb.

French Golden Self-Blanching Celery.
**Corn - Table Varieties**

**FIELD CORN—Page 46.**

1 quart to 200 hills; 3 quarts per acre.

Sugar and sweet Corn should not be planted until May, or when the ground is warm. For succession, plant about every two weeks until the last of July. All varieties may be either sown in drills or deep in rows; these seeds being placed about 8 inches apart in the rows, or they may be planted in hills at distances of three or four feet apart, each hill having more than 3 plants stand to a hill. The size of the variety and the richness of the soil should determine the distance of planting. Cultivate frequently and thoroughly but shallow until the tassels appear.

### Extra Early

**First Early Neck** This variety can be planted earlier than any other sort; ear short, grain white. It is not a Sugar Corn, but, on account of its being largely sold for table use in the Corn Belt, is treated as a Sugar Corn.

- 50c; qt., 25c; pk., $1.15; bu., $4.00.

**Adams' Extra Early** Similar to the First Early Neck, larger, but a fraction later; a favorite for early markets.

- Ear, 3c; doz., 30c; qt., 25c; pk., $1.15; bu., $4.00.

**Adams' Early** A splendid early variety and safe cropper. Doz., 50c; qt., $1.15; bu., $1.00.

**Improved Early Adams** A distinct improvement over the Old Early Adams, fully as hardy; ears measure from 10 to 14 inches in length, with 12 or more rows to the ear. Grains are narrow and deep, of excellent table quality. Any portion of the crop not needed for table will make fine ears for stock feeding. Qt., 25c; pk., $1.15; bu., $4.00.

**Delicious Cream** Adams, but it makes ears much larger and longer. It is a strong grower. It will produce a larger percentage of marketable ears than any other variety. It has from 2 to 3 ears to the stalk, of a most desirable size, either for table or stock use. The ears contain from 4 to 10 rows of bright, attractive grains well filled out to the tip. Makes beautiful creamy white roasting ears, while its flavor is sweet, tender, and delicious. Qt., 25c; pk., $1.00; bu., $5.00.

**Peep O' Day** is of recent introduction, and is credited by many as being exceptionally early, comparing favorably with the Premo of unparalleled sweetness. The stalks bear from 2 to 5 ears each, and are very dwarf, which admits for earlier planting. Qt., 25c; pk., $1.50; bu., $3.50.

**Premo** An Extra-early 65-day Sweet Corn; medium sized ears of good quality. Qt., 25c; pk., $1.50; bu., $3.50.

**Morse's Golden Cream** It is of California origin, resulting from a cross between Country Gentleman and Golden Bantam. The kernels are long and pointed, which are irregularly formed on a very small slender cob. The habit of growth is rather dwarf, and the brownish red stalks bear 2 to 4 ears of a rich creamy color of unequalled flavor and quality, maturing with the very earliest. Qt., 30c; pk., $1.65; bu., $6.00.

**Golden Bantam** A very early variety. The ears are medium sized, usually 5 rows, thickly set with delicious yellow kernels. Qt., 30c; pk., $1.00; bu., $4.00.

**De Lue's Golden Giant** Because of the extreme tenderness of the kernels, it is combined with the exquisite rich sugary flavor. Golden Giant has become the standard of perfection for sugar corn, and is 3 to 5 days early in earing 2 or 3 times as large as its own parent. The Golden Bantam, of better quality, deeper color and more prolific, superior to the small quantities only. 1/2 pt., 25c; pt., 35c; qt., 60c.

**Red Cob or Ninety-Day Corn** A distinct and well-known sort of white Corn; matures in about 90 days. It produces large ears on some ears. It adapts itself to any kind of soil, and can be used green as a table corn or when dry for stock feeding. It may be planted for early market at intervals as soon as the frost is out of the ground until the middle of July. Used by many truckers for late planting, as it produces a sure crop. Qt., 25c; pk., $1.25; bu., $4.00.

### Medium Early

**Howling Mob** Stalks are of strong, vigorous growth, 5 ft. in height; produces 2 large ears of sweetest quality. Qt., 25c; pk., $1.25; bu., $4.50.

**Sheffield** This cross-bred early variety combines the extreme hardness and abundance of the Extra Early Adams with the finer sugary quality of the Cory. Ears average 7 inches long, and are well filled with grains of large size, arranged in six rows, rather than regular rows. It is as hardy as the Adams, and of much larger size, but is not equalled by it in sweetness. Qt., 25c; pk., $1.25; bu., $4.00.

**Kendell’s Early Giant** Remarkably large in ear for a second early sort and very popular of all stalks about 5 ft. high. The ears are about 8 to 9 inches long, 12-rowed. The grain is rather broad and shallow, and the quality very good. Qt., 25c; pk., $1.25; bu., $4.00.

**Black Mexican** Although the ripe grains are bluish-black, they are remarkably white when in roasting ear stage. In tenderness and nice-sweetness none can surpass it. We recommend it highly to follow the first early varieties. Pt., 5c; qt., 30c; pk., $1.50.

### Main Crop and Late Varieties

**White Evergreen** A pure white strain of the popular Stowell’s Evergreen. The ears are very large and well filled from butt to tip with long, slender, pure white grains of the most delicious sweetness. Qt., 25c; pk., $1.25; bu., $4.00.

**Improved Narrow Grain Evergreen** In maturity and habit of growth resembles the well-known Stowell’s Evergreen. The cob is small in comparison to the size of the ear, and the kernels are very narrow, sweet and remarkably free from starch, producing 24 straight, uniform rows on the cob. Qt., 25c; pk., $1.25; bu., $4.00.

**Stowell’s Evergreen** Grown more extensively than any other; a favorite with canners and market gardeners for late use. The ears are of large size, kernels very deep, tender and sugary, very prolific and remains for a long time in fit condition for table use. Qt., 25c; pk., $1.25; bu., $4.00.

**Latte Mammoth** Sweet Corn; very weighty, profitable for growers selling by ton. Qt., 30c; pk., $1.25; bu., $4.00.
Cucumbers

1 ounce to 100 hills.

CULTURE. Plant as soon as the weather becomes settled in hills 4 feet apart each way, with 8 or 10 seeds in each hill, cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to the hill. For pickles, plant from the first of June to the first of August. The fruits should be gathered when large enough, whether required for use or not, as if left to ripen on the vine, it destroys their productive uses.

Arlington White Spine

The cucumbers are very regular in outline, uniform in size, averaging 7 to 8 inches in length, straight, and of a rich dark green color. Flesh white, crisp and solid, with comparatively few seeds. Vines of vigorous growth and very productive. Pkt., 5c; 1/4 lb., 25c; 1 lb., 90c.

Klondike

Of recent introduction, has already become a favorite with market gardeners and shippers all over the country. The handsome dark green cucumbers average 7 inches long and 2 inches in diameter, and demand the highest prices when offered on any market. Pkt., 5c; 1/4 lb., 25c; 1 lb., 90c.

Early Green Cluster

A short, prickly variety, bearing clusters; prolific; fine for bottle pickles. Pkt., 5c; 1/4 lb., 25c; 1 lb., 90c.

Fordhook Famous

This new extra long variety produces perfectly smooth, very dark green, handsome straight fruit, measuring 12 to 17 inches long. They are always solid, flesh being a greenish white, firm, crisp and of most delicious flavor. It is a great cropper, and fruit is full of flesh, with but few seeds. Pkt., 5c; 1/4 lb., 25c; 1 lb., 90c.

Cumberland

This new pickling variety was produced by a cross between White Spine and Paris Pickling. It combines the slim, straight shapes, fine spines and crisp flesh of Paris Pickling with the vigor and productive ness of the White Spine. The fruit is covered with fine spines except at the stem end. It makes a very fine quality of pickles, being of best shape, and good deep green and crisp. The vines are healthy and productive. Pkt., 5c; 1/4 lb., 30c; 1 lb., 85c.

Early Cyclone

It is not only the earliest cucumber in cultivation, being fully two weeks ahead of White Spine, but it is of the desirable White Spine type, being shorter, thicker and holding better its deep green color than any other early Cucumber in cultivation. It is very prolific, and grows its fruits in bunches of three and four, of uniform size and shape. A single hill will sometimes produce from 16 to 18 large Cucumbers. Pkt., 5c; 1/4 lb., 25c; 1 lb., 90c.

Boston Pickling or Green Prolific

Its characteristics are its uniform growth, seldom yielding Cucumbers too large for pickling, and its immense productivity. Pkt., 5c; 1/4 lb., 30c; 1 lb., 90c.

Long Green

Our careful selected strain, under favorable conditions, produces fruit averaging from 12 to 16 inches in length. Skin is a deep rich green, flesh solid, crisp and of excellent quality. Pkt., 5c; 1/4 lb., 40c; 1 lb., 1.50.

Japanese Climbing

Vines are extra vigorous, bearing a climbing sort, can be grown on trellises, etc.; valuable in small gardens. Very prolific, from 40 to 50 having been counted on single plants. Fruit long, round, of fine flavor. Pkt., 5c; 1/4 lb., 30c; 1 lb., 81.00.

Evergreen Extra: Long White Spine

This is a strain of White Spine Cucumber with longer fruit than the old type. The cucumbers grow 10 inches long, and are straight and handsome and of fine quality, and retain their green color for a long time. Matures a little later than the early strain, but the fruit is larger and handsomer. One of the best varieties. Oz., 10c; 1/4 lb., 35c; 1 lb., 50c.

Davis' Perfect

As now selected, this popular new variety is well worthy of praise. The thickly seeded fruit, even in the old greenhouse, is of fine form, with an intensely dark rich green skin. With few seeds, the solid white flesh is of superb quality for sliceing. So handsome and regular are the fruits that they bring an extra price on market, often being taken for "hot-house grown." The vine is of strong growth and quite prolific. Pkt., 5c; 1/4 lb., 30c; 1 lb., 90c.

Jersey Pickle

In size between the Half Long and Long Ling. Grown in small gardens, and is sold extensively by pickler growers; being productive and of deep green color. Pkt., 5c; 1/4 lb., 25c; 1 lb., 85c.

Gherkins or Burr

Very small, quite distinct from all others. It is grown exclusively for pickling, and should be picked when young and tender. Pkt., 5c and 10c; 1/4 lb., 35c; 1 lb., 81.00.
Egg Plant

1 ounce will produce 1,000 plants.
Sow in March in hotbeds, and transplant when 2 inches high into a second hotbed, or let them remain and thin out to 4 inches apart. When the weather becomes settled, transplant into the open ground 3 feet apart each way. Good culture is quite as important as good seed. Work the ground deep, make it rich with well-rotted manure and hoe often.

Mammoth Smooth Stem
This superior strain is a decided improvement on the New York Large Purple in quality, size and beauty. The plants are large and vigorous, leaves of a light green shade, stem smooth, fruit large, oval, early and of a fine deep purple. Pkt., 10c; oz., 40c; ½ lb., $1.35; lb., $4.50.

Black Beauty
The most beautiful and earliest of all large Egg Plants. Pkt., 10c; oz., 40c; ½ lb., $1.25; lb., $4.50.

New York Improved Purple
Large, very vigorous, leaves of a light green shade, stem smooth, fruit large, oval, early and of a fine deep purple. Pkt., 10c; oz., 40c; ½ lb., $1.15; lb., $4.00.

Florida High Bush
Very vigorous and productive; of uniform size and quality, leaves of a rich purple, color and rich flavor. Pkt., 10c; oz., 40c; ½ lb., $1.00.

Endive

1 ounce to 100 feet of drill; 3 lbs. to the acre.
Endive may be sown at any time. For main crop sow in June or July in rows 16 inches apart. When nearly full grown it is blanched, to destroy bitterness, in the following form: When dry gather up the leaves and tie them by their tips in a conical shape, or lay clean boards right over the plants, which thereby excludes the light and air from the inner leaves, which then blanch to a beautiful yellowish white. After 14 days or 3 weeks they will be ready for use. Tie up at different times, as it only keeps a short time after blanching. It makes a splendid salad, and is very useful, as it comes in after lettuce is gone.

Ever White Curled
By far the most beautiful variety. Plants moderately dense; leaves courser than those of the Green Curled, but the mid-rib is yellow and the leaves frequently almost white, so that the plants are very attractive and always bring the highest prices on the market. Pkt., 5c; oz., 20c; ½ lb., 30c; lb., $1.00.

Green Curled
This is the hardest variety, and very desirable for the home and market garden. The deep green leaves are beautifully cut and curled, easily blanched and become very crisp, tender and fine flavored. Pkt., 5c; oz., 20c; ½ lb., 30c; lb., $1.00.

Kohlribi

1 oz. will produce 1,500 plants.
This forms a bulb above the ground and its flavor is somewhat similar to Cabbage. Sow in April in rows 18 inches apart, thinning out to 8 inches between the plants.

Early White Vienna
Excellent for forcing and of fine quality. The bulbs grow to the size of an apple when ready for use, and are a pale whitish green. They are of delicate cabbage-like flavor. Pkt., 10c; oz., 15c; ½ lb., 30c; lb., $1.00.

Leek

1 oz. to 50 yards of drill.
Sow early in the spring in drills 1 inch deep and 12 inches apart; when about 6 inches high transplant into deep, rich soil, 8 inches apart; use a dibble and plant deeply, close to their leaves.

Large London Flag
Of enormous size, leaves large and broad; flavor mild and pleasant. Pkt., 5c; oz., 20c; ½ lb., 30c; lb., $1.25.

Monstrous Carentan or Scotch Champion
Of extremely large size; the leaves are fan-shaped, of a dark green color; the edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt., 5c; ½ lb., 50c; lb., $1.15.
Let lettuce to be at its best should be grown rapidly, hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For early crop sow in a seed-bed in September or October and protect through the winter with cold frames, which should be removed as soon as danger of severe freezing is past. Lettuce in the open ground will withstand some freezing but is killed by prolonged frost or frequent freezing and thawing. The seed may be sown in hotbeds in March, and the plants, if well hardened by being often exposed to the air, may usually be set in the open ground in April, maturing a crop much earlier than complete open ground cultivation would produce. If, however, it is not convenient to set the plants started either in the fall or early spring in hotbeds, the seed may be sown in open ground from the middle of April until the first of May, selecting varieties suitable to the season. The plants should be thinned or transplanted so as to stand 8 to 10 inches apart in the rows, and the rows should be about 18 inches apart. Good seed, rich soil, plenty of moisture and sunshine, and frequent cultivation will result in a successful and very profitable crop.

May King. A handsome, extremely early, compact cabbage or heading variety, forming very firm heads of medium size and excellent quality. Color light yellowish-green, tinged with reddish-brown when mature. Inter leaves blanche rich golden-yellow, very tender and buttery. Plant very compact for so large a head. Exceptionally early outdoors, attaining a size suitable for use before other sorts, and also very satisfactory for forcing. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.00.

Grand Rapids. As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list, being of quick growth, hardy, little liable to rot and remaining in condition several days after being fit to cut. The plant is upright and forms a loose cluster of large, thin, bright green leaves, savoyed, finely crimped at edges. The leaves do not wilt quickly after cutting, so that the variety will stand shipping long distances better than most sorts. Very attractive and desirable for garnishing. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Earliest ‘Wayahead.’ It shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months—it has proved to be not only the very earliest and surest heading of all early lettuces, but also of the very finest quality at all seasons. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Big Boston. This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size, often 12 inches or more across and succeeds better in cooler temperature than most forcing strains. The large heads are beautifully blanched and of

Grand Rapids Lettuce.

Black Seeded Big Boston. In comparison with the well-known white-seeded Big Boston, the leaves are a trifle smaller and rather lighter shade of green with less color on edges, producing larger solid heads, which are always tender and crisp, more compact and will stand shipping better. Excellent for forcing or growing in the open ground, spring or fall. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Boston Market Forcing. A medium-sized, light green, lettuce of excellent quality and desirable for forcing. Outdoors it is one of the earliest to form a head under favorable conditions. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Baltimore Early Market. Originated by a local market gardener who for several years past has supplied the earliest and finest Butterhead Lettuce to the Baltimore market. In comparison with May King, it is earlier and free from the red tint; the outer leaves are a light green, with the entire head fully blanched to a rich buttery yellow tint, which makes it so attractive for late fall or early spring forcing and early spring use. Oz., 15c; 1/4 lb., 30c; lb., $1.25.

Large White Loaf. This is a standard variety amongst truckers for planting early in the spring or fall to supply and test trials of winter. It is a exceedingly early heading variety, compact, tender, solid head and of fine quality. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Big Head. Plants of extra large growth, producing heads of immense size under favorable conditions. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., $1.25.

Big Boston Lettuce.
Lettuce - Continued

Manns' Defiance Summer Lettuce.

**Tuccarado** We have been supplying this excellent variety to our customers for several years but as there has been only a limited quantity of seed available, we have not had the opportunity to offer this to our friends until this season. The large handsome heads are solid, crisp and of superb quality. Being of very vigorous and hardy nature, this variety is especially desirable as a fall or early spring planting. Its prolific nature makes it one of the most critical market gardeners and private growers. Oz., 20¢; ¼ lb., 60¢; lb., $1.75.

**Unrivalled** This lettuce might well be called an improved Big Boston. It is rapidly coming into favor with market gardeners in sections where the Big Boston does well. Its usefulness and value are identical to the same as Big Boston, but it is preferred by many because of its being a solid green color with no brownish tinge at the border of the leaves; its heads are larger and better appearance than Big Boston. Pkt., 5¢; oz., 10¢; ¼ lb., 60¢; lb., $2.00.

**Improved New York or "Wonderful"** Plants of extra large growth, producing heads of immense size under favorable conditions. Inner portion is beautifully blanched and stands for a considerable time before becoming soft. Outer leaves have a deep, rich green. Pkt., 5¢; oz., 10¢; ¼ lb., 60¢; lb., $2.00.

**Hanson** The plant is compact and forms a large, flat, cabbage-like head, and is slow to form a seed stalk that it often fails to seed at all. Outer leaves are bright green, with prominent light-colored veins; inner leaves white and usually curled and twisted at the base; very tender and sweet; a favorite variety for home use. Pkt., 5¢; oz., 10¢; ¼ lb., 35¢; lb., $1.15.

**Manns' Defiance Summer** This variety, introduced by us several years ago, has made a very favorable impression upon the growers, as well as the consumer. In appearance it outclasses all others. It forms handsome, solid heads of enormous size, almost as large as cabbage heads, which remain in good salable condition long after all others have gone to seed. The flavor is excellent, the leaves are a beautiful light green. Very profitable for market gardeners. Oz., 20¢; ¼ lb., 60¢; lb., $1.75.

**All Seasons** One of the best all-season lettuces, standing the hot sun to a remarkable degree, and handsome in appearance. The outer leaves are a bright soft green; the finely-blanched interior leaves are rich golden yellow; the inner is tender and mild in flavor. The heads are broad and nearly flat at the top; they continue to increase in size for about two weeks after they are ready for use. Pkt., 5¢; oz., 15¢; ¼ lb., 40¢; lb., $1.25.

**Improved Mammoth Salamander** A grand mammoth hard-heading Cabbage Lettuce. Plants 12 inches across with extra large solid round heads that are particularly rich and buttery in flavor; always well blanched and tender. The inner leaves are beautifully white and curled like a fine Savoy Cabbage. Splendid for summer use, both for the home table and for market. Most highly recommended. Pkt., 5¢; oz., 15¢; ¼ lb., 40¢; lb., $1.35.

**All-Heart Lettuce** A very bright green and attractive variety. It forms large, solid heads, composed of thick, smooth, very tender leaves, the inner ones finely blanched and all of the finest quality. It remains a long time in head before running to seed. Pkt., 5¢; oz., 10¢; ¼ lb., 40¢; lb., $1.25.

**Baltimore Oakleaf** This is a great improvement upon the old variety; instead of the loose, green oak-leaved-shape plants, of inferior quality and taste, we are offering in this new strain a well-com- pact, large-headed, round-leaved variety of a beautiful light green color, which remains in fine condition long after other varieties have gone to seed. It is very hardy and largely used by market gardeners for late planting to stand out over winter and develop large, solid heads early in the spring. Oz., 15¢; ¼ lb., 60¢; lb., $1.00.

**Tenderheart** The heads are large and round, tightly formed, tender, sweet and crisp, with waxy cream colored leaves. This fine lettuce matures in 40 days and will withstand the early summer heat splendidly. Pkt., 10¢; ¼ lb., 40¢; lb., $1.35.

**The "Deacon"** This has been also "re- named" San Francisco Market. Large Russian, Vauxhall. The heads are light green outside, while the inner blanched portion is beautiful cream yellow, of delicious rich buttery flavor. A splendid lettuce for summer use. It stands the hot summer heat to a remarkable degree. Pkt., 5¢; oz., 15¢; ¼ lb., 30¢; lb., $1.00.

**Cos, or Celery Lettuce** Paris Self-Folding White Cos Grows to very large size, producing long-pointed, compact bunches. The outer leaves are closely folded about the center; heads interior is well blanched. Pkt., 5¢; oz., 20¢; ¼ lb., 40¢; lb., $1.25.

**LETTUCE PLANTS**

Fresh Daily in Season. See Page 53.
**Muskmelon or Cantaloupe**

1 oz. for 50 hills; 3 lbs. per acre.

The most suitable soil for melons is a warm, sandy loam, well worked and enriched with rotted manure. After danger from frost is over, sow ten to twelve seeds to a hill, about 2 inches deep; the hills being six feet apart each way. When the plants have the second pair of leaves and danger from insects is past, thin out to four plants to a hill. Cultivate frequently, deeply away from the plants and shallow close to them. When hoeing, remove the crust from around the plants and replace with fine, loose soil.

**Green Fleshted Varieties**

*Knight’s Early Maryland* An extremely early medium sized melon. Fruit oblong, showing the neck tendency; skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink near the center. A most high quality melon and a good shipper. Pkt., 5c; oz., 15c; 1/2 lb., 40c; lb., $1.25.

*Honey Dew* A new distinct melon of the Cucumis type. The fruit is large ovoid in form, about 10 inches long and 8 inches in diameter; surface smooth and hard, without ribbing or netting, creamy white in color turning to a lemon tinge when fully ripe. The very thick flesh is light green in color, ripening to the rind, very tender, with an extreme sweetness found in no other melon. The vines are vigorous and set 6 to 10 melons to the hill. An excellent shipper, will keep for several weeks even when fully ripe. Pkt., 5c; 1/2 lb., 40c; lb., $1.50.

**Salmon Fleshted Varieties**

*Paul Rose, Petoskey, or Salmon-Fleshted Gem* This is the original salmon-fleshted “basket” melon. It holds the same place in the salmon-fleshted sorts as the Netted Gem does in the green-fleshted. Pkt., 5c; 1/2 lb., 35c; lb., $1.00.

*Burrell Gem* Of sweet and aromatic flavor, oblong shape, smoothly rounded ends, closely netted and slightly ribbed dark green skin. Fruits average 6 inches long by 4 inches deep. Very fine for marketing. Pkt., 5c; 1/2 lb., 35c; lb., $1.00.

*Emerald Gem* Ripens early, medium size, nearly round, flesh a delicate light salmon color, very thick, fine grained and of superb flavor. The rind is thin, dark green, ribbed, slightly netted. Pkt., 5c; 1/2 lb., 30c; lb., $1.00.

**Red Seeded** A small, globular variety, striped and marbled with light green. Flesh white and solid; seeds red. Used exclusively for pickles and preserves. Pkt., 5c; oz., 10c; 1/2 lb., 40c; lb., $1.25.
Watermelon

1 ounce for 30 hills; 1 or 4 pounds to the acre.
Cultivate exactly as for Cantaloupe, except that the hills should be 8 to 10 feet apart.

Kleckley's Sweet, or Monte Cristo
This very popular long-leaved melon is one of the best for nearby markets. Fruits are medium size, oblong, of a dark green color and have very thin rind. Flesh bright scarlet with solid heart, crisp, sunny and melting, and entirely free from stringiness. Pkt., 5c; ½ lb., 25c; lb., 75c.

Halbert's Honey
Fully equal in quality to Kleckley's Sweet, which it resembles. It is even in outline, is blunter at the ends and the skin is of a richer, darker color. Pkt., 5c; ½ lb., 20c; lb., 60c.

Tom Watson
A large long melon with dark green rind and a rich dark red flesh of excellent quality. It is a splendid shipper, and is being grown extensively in the South for Northern markets. The seeds are white marked with brown. Pkt., 5c; ½ lb., 20c; lb., 60c.

Alabama Sweet
This excellent shipping melon is the leading sort grown by Texas and other Southern melon growers. The rind is dark green, marked with a still darker green mottled stripe, and while thin, it is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. The seeds are white, slightly tipped with brown, and are firmly set in small cavities near the rind. Pkt., 5c; ½ lb., 20c; lb., 60c.

Florida Favorite
Striped with a lighter shade. Rind thin but firm. Pkt., 5c; ½ lb., 15c; lb., 50c.

Triumph
A splendid shipping variety of large size and handsome appearance. The melons are rather shortened in form, but thick through. Skin deep bluish green, with dark-red flesh and of good quality. Pkt., 5c; ½ lb., 15c; lb., 50c.

Dark Icing
Skin dark green, indistinctly veined with white. Fruit almost round. Pkt., 5c; ½ lb., 15c; lb., 50c.

Irish Gray
In sweetness it is like Kleckley's Sweet; in shipping quality, uniformity in shape, size and in productiveness it is even better than Tom Watson. The thin rind is so tough it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted market crimson flesh of excellent quality. The color is a distinct mottled greenish gray; the flesh is red, sweet, crisp and free from stringiness. An unusual melon, for although a grand shape it is equally fine for the home garden. Pkt., 5c; ½ lb., 20c; lb., 75c.

Mustard

Southern Giant Curled
The true curled-leaf variety, so popular in the South for planting in the fall to furnish an early spring salad. Those who do not care for Mustard as a salad will be delighted with it as a vegetal. If cooked like spinach, as the flavor is much superior to that of spinach. Pkt., 5c; ½ lb., 25c; lb., 75c.

Mushroom Spawn
These delicious fungi can be grown in a warm cellar or enclosed shed, in which an even temperature can be maintained of from 50 to 60 degrees, and where a plentiful supply of fresh horse-stable manure for making the beds can be obtained. If grown with a depth of about 1½ pounds, and a brick is sufficient to plant about 8 square feet.

English Mill Track Spawn
Lb., 30c; 10 lbs., $2.50. If sent by mail, add postage.

Okra, or Gumbo

10 lbs. to the acre.
Sow in drills 1 inch deep in April and May. Thin until plants are 12 inches distant, and draw up early to the stems for support.

Improved Dwarf Green

Prolific or Density
A distinct variety growing about 14 inches high. Grown in competition with the ordinary dwarf, it produces twice the number of pods, which are very smooth and beautiful. Pkt., 5c; ½ lb., 20c; lb., 60c.

White Velvet
Pods are large, perfectly smooth. Pkt., 5c; ½ lb., 15c; lb., 50c.

Lady Finger
Plants produce slender pods of pale green color. Pkt., 5c; ½ lb., 15c; lb., 50c.

Perkins' Mammoth Green
Pod A splendid variety. Very prolific, with long green pods of best quality and most desirable color for canning. Pkt., 5c; ½ lb., 20c; lb., 60c.

Mushrooms.
Onion

To grow large bulbs 1 oz. to 100 ft. of drill 4-5 lbs. to the acre. To grow sets 10 oz. to 100 ft. of drill; 50 lbs. to the acre.

The Onion must have a clean and very rich soil. Use well-rotted manure only, and unless the seed is as early as possible in the spring, no matter if it is cold and unpleasant. If onions do not get a good growth before hot, dry weather, the crop is sure to be a failure. Keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart nor more than half an inch deep. As onions grow on top of the ground, they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing, destroy weeds and keep the ground mellow; do not cover the young bulbs with earth. It is useless to try to grow onions on poor, unsuitable soil. Three days neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing makes the difference between a good and a bad harvest.

White Silver Skin, or Portuguese Onion, is almost exclusively used for growing sets. It is a good keeper. The bulbs grow to good size, ripening early and quite evenly. The flesh is mild and sweet, the thin skin a clear silvery white, of handsome appearance if the bulbs are gathered as soon as ripened and carefully dried under shelter away from the strong sunlight. When seed is sown at the rate of 20 to 25 pounds per acre, it makes bulbs of suitable size and most desirable for pickling. Pkt., 5c; oz., 25c; ½ lb., 75c; lb., $2.50.

White Pearl Onion is very fine and very early variety. Bulbs when well grown are large, round, flattened, with a delicate pure white skin; flesh very mild in flavor. In the South this variety is largely planted for sets. Pkt., 5c; ¼ lb., 60c; lb., $2.00.

Mammoth Silver King is the large bulbs are of attractive form, flattened, but quite thick through, with silvery white skin, frequently measuring 20 inches in circumference. It matures quite early, coming just after Onions grown from sets are gone. Must be sown thinly to produce large onions. Pkt., 3c; ½ lb., 75c; lb., $2.25.

Yellow Globe Danvers Onion.

With proper manuring, onions can be grown on the same land for a score of years, and it will become cleaner and better every year.

White Silver Skin Onion.

Prizetaker (American grown). The seed we offer produces large, well-ripped bulbs the first season from seed; flesh white; crisp and mild in flavor. The skin is thin, of a bright straw-yellow, form nearly a perfect globe. Under ordinary cultivation this variety will yield bulbs nearly three times as large as the Globe Danvers, while under special cultivation specimen bulbs have been raised to weigh from 4 to 6 lbs. each. These are the large, mild Onions which are sold in small crates in the early fall, and are esteemed for their large size, handsome appearance, mild and delicate flavor. Pkt., 5c; oz., 20c; ½ lb., 50c; lb., $1.75.

Yellow Dutch, or Strasburg Onion is similar to the Yellow Danvers. Flat in shape, good color and size, but as a set onion it has the quality of ripening down earlier and more uniformly. Pkt., 5c; ¼ lb., 40c; lb., $1.50.

Yellow Globe Danvers Our superior stock of this celebrated variety is of fine round shape. It grows to good size, with thin yellow skin, white flesh, fine grained and excellent quality. It ripens early, keeps well and is very productive. Pkt., 5c; oz., 20c; ½ lb., 40c; lb., $1.50.

Red Wethersfield Large sized, somewhat flattened; skin deep red and very hardy. Oz., 20c; ¼ lb., 60c; lb., $1.50.

Australian Brown An early and very hardy variety which does especially well in the South. Should be planted early on low, wet ground, to get large bulbs. The skin is thick and the color is a rich brown. It is especially noted as a long keeper, as it keeps well into spring and much longer than other varieties. Pkt., 5c; ¼ lb., 45c; lb., $1.50.

Australian Yellow Globe It is a fine companion to the well-known variety. The bulbs are globe-shaped, with a light brown-yellow skin. Solid and heavy. Oz., 15c; ¼ lb., 50c; lb., $1.75.

Onion Sets

We are large producers and contractors of Onion Sets, with best facilities for handling large quantities.

Plant in drills 12 inches apart and 4 inches between the sets.

Choice Yellow Danvers
Quart, 15c; bushel, $3.50.

Choice Yellow Strasburg
Quart, 15c; bushel, $3.50.

Choice White Silver Skin
Quart, 20c; bushel, $3.00.
Parsley

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and 1 inch apart in the row. The seed is slow to germinate, and should be given the most favorable conditions. A deep, rich, loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.

Extra Dark Moss Curled The large leaves are very dark green and curled, and the leaf edges are thin. This variety is the large, compact growth, and the leaves have been heavily crimped, being of quite moss-like appearance. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Fine Double Curled Plants of dwarf, compact growth and highly attractive. Very productive and most attractive as a garnish, both on account of this green and coloring and fine mossy appearance. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Extra Curled Dwarf, or Emerald The plants are of compact growth, while the leaves are of a handsome bright green coloring, very finely curpled and curled, of a most ornamental appearance. One of the finest for garnishing or flavoring. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Turnip-Rooted, or Hamburg. This variety is the large, fleshy root, which resembles the root of a Parsnip, and is highly esteemed for flavoring soups, stews, etc. As the root is the portion desired, the young plants should be well thinned out. Pkt., 5¢; oz., 15¢; ¼ lb., 25¢; lb., 90¢.

Pumpkins

King of the Mammoths Pumpkin.

1 ounce to 15 hills; 4 lbs. per acre, in hills 10 by 10 feet apart.

CULTURE. Sow in good soil in May, when the ground has become warm, in hills 8 to 10 feet apart each way, or in fields of corn and other crops every fourth hill; always avoid planting near other vines, as they will hybridize.

Sugar Pie Pumpkins The fruit is small to medium in size, flesh solid and fine grained, and the seed cavity small, and it is a splendid keeper. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Quaker Pie It is oval in shape, and tapers toward each end; of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Connecticut Field Very productive, for feeding stock, shape almost round, of medium size, skin deep yellow and smooth, flesh yellow. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Cushaw, or Crookneck One of the most popular varieties to grow for pies as well as for stock feeding. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Sweet Potato Grown for pies, the sweet, white, smooth flesh and skin creamy white, fine grained, sweet and delicious; first-class keeper. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Japanese Pie This is the best of all Pumpkins for pies. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

King of Mammoths This giant variety grows to enormous size. Deep yellow, glossy color, splendid for growing for stock and exhibition purposes. Pkt., 5¢; ¼ lb., 25¢; lb., 75¢.

Hollow Crown Parsnips.

Parsnip

1 oz. to 150 feet of drill.

Parsnips are well known as a delicious table vegetable, but their value for the purpose of feeding cattle and stock is but little appreciated. The parsnip is rich in saccharine food, which adds greatly to the richness of the milk when fed to cows, while the fresh, succulent roots increase the flow of milk as greatly as does the use of fresh green food in the spring. It is especially valuable for the purpose from its extreme hardiness, as the roots can be left in the ground all winter and improve in quality by the continued freezing.

Sow as early in the spring as the weather will permit, in drills 15 inches apart and half an inch deep in rich, well-manured ground, well dug. Cultivate similar to Carrots, and thin out to 6 inches apart in the rows. To keep well in the ground over winter, draw a little earth over the tops.

Hollow Crown, or Large Sugar The best variety in cultivation for general use; roots white, smooth, of intermediate length; sugary, of excellent flavor. Pkt., 5¢; ¼ lb., 25¢; lb., 50¢.

Improved Guernsey An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality. Pkt., 5¢; ¼ lb., 25¢; lb., 50¢.
**First Early Smooth Varieties**

**Extra Early Alaska**

Vine strong and vigorous, 2 to 2½ feet high, of a peculiar light green color, pods 3 to ½ inches long, straight and blunt at the end. Ready for picking 45 to 50 days from planting. Seed round, blue, slightly pitted. Mature crop very early. Qt., $0.25; pk., $0.50; bu., $7.00.

This super strain is a great favorite with large growers. Equally as early as the choicest stock of Alaska, the peas are much better in flavor. The vines are quite slender, of very quick growth, and average 18 to 24 inches in height. The pods are well filled, and the entire crop can be gathered generally in one picking. Qt., 50c; pk., $2.00; bu., $7.00.

**New Market Surprise**

This new and very profitable variety is as early as Extra Early Alaska, and as large and prolific as Prolific Early Market. It has been established as a favorite among private growers and market gardeners. Our trial during the past three years have given us every reason to be very enthusiastic over the possibilities of this pea and we recommend it to all growers who want an early, prolific, and high quality crop. The vines grow about 2 feet high and bear a wonderful crop of large pods, well filled with luscious peas. Pt., 20c; qt., 50c; pk., $1.00; bu., $7.00.

**Second Early Smooth Varieties**

**Improved Sugar Marrowfat**

This fine Pea has given wonderful satisfaction to all who have grown it. It grows about 2 feet high, bears enormous handsome pods, which are completely filled with large, deliciously flavored, deep green peas. It is undoubtedly the best productive Pea offered. Qt., 50c; pk., $2.00; bu., $7.00.

**French Canners**

It is very prolific, bearing an abundance of long pods, containing from 7 to 9 peas of excellent flavor. Height 2½ feet. Qt., 30c; pk., $2.00; bu., $6.50.

**Dwarf Giant Poddled Prolific Green Grow**

This variety has become a favorite with the consumer as well as grower. Vines of a strong growth, with a large dark green foliage, but only 18 to 20 inches in height, and do not need to be supported. Pods of large size, well filled with large dark green peas of rich marrow flavor. Qt., 20c; pk., $0.50; bu., $10.50.

**Edible Potted Peas**

This is a class of Peas not generally known in this country, but much used abroad, in which the sweet, brittle and succulent pods have none of the tough inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans.

**Mammoth Melting Sugar**

This is by far the largest and finest of the true sugar edible potted Peas. The vines are of strong, vigorous growth, frequently 4 to 6 feet in length, and the pods come rather late, or about the same time as the Mammoth and Stratagrm Peas. The vines are not productive of enormous pods, and continue bearing for a long time. Pods average 5 to 6 inches in length and 1½ inches broad, thick and fleshy. Broken and boiled like string beans and served with butter sauce, they have a luscious flavor. Qt., 50c; pk., $3.75.

**Dwarf Sugar, Edible Pods**

This variety possesses all the fine cooking qualities of the Mammoth Sugar, nearly two weeks earlier in maturing, average growth 30 inches. Qt., 30c; pk., $3.00.
PEAS
-Continued
Wrinkled Varieties

Extra Early
Grades A. Also called "Prosperity" Peas. This popular new large-podded wrinkled pea of finest quality matures pods in two or three days later than the small-podded, round-seeded extra earlies. Vines grow from 2½ to 3 feet. We consider it one of the most desirable for the market garden or home use. Qt., 50c; bu., $1.00.

Pioneer Introduction two years ago and found to be a money-maker for the trucker. Vines 24 inches, large, dark green pods, maturing in about 75 days. Qt., 50c; pk., $1.25; bu., $4.00.

Little Marvel A new variety of recent introduction, similar to Nott's Excelsior. The vines are 1½ inches high and produce an abundance of pods, finest quality. Qt., 50c; pk., $1.25; bu., $5.00.

Pilot Very dwarf, large pods of fine quality produced early and abundantly. Qt., 50c; pk., $3.25; bu., $12.00.

American Wonder This is a dwarf variety, and leads all others in point of earliness. Growing about 10 inches high, and produces a profusion of good sized, well-filled pods, with finest-flavored peas. Qt., 50c; pk., $2.75; bu., $10.00.

Premium Gem Nearly as early as the American Wonder, and the very productive vine is decidedly larger, growing to a height of from 15 to 18 inches. The pods are large and crowded with 6 to 8 very large peas of fine quality. Qt., 45c; pk., $3.75; bu., $10.00.

Nott's Excelsior One of the best Early Dwarf Peas. It combines the good qualities of the American Wonder and Premium Gem Peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas in sweetness and quality unsurpassed. Qt., 45c; pk., $2.75; bu., $10.00.

Potlatch Strong, vigorous vines of even growth, 20 to 24 inches in height, with luxuriant dark foliage, bearing pods of medium green color, 3½ to 4 inches in length. Broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly shell out better. The Potlatch is a variety from which everyone may expect great things. Fit for table use 41 days from planting. Seed green, wrinkled, large in size. Qt., 45c; pk., $2.75; bu., $10.00.

Thomas Laxton This variety is of the same growth with that of the Gradius, but is usually three to four days later for market. The pods are square at the ends instead of having a long, sloping point, and considered by some to be of a better flavor than the Gradius. Qt., 50c; pk., $3.00; bu., $11.00.

Champion of England A universal favorite, delicious flavor, produced in large pods, filled well with large green wrinkled peas. Height about 4 feet. Qt., 45c; pk., $1.75; bu., $10.00.

Daisy, or Dwarf Telephone A second early, of robust growth, but remarkably even growth. From 16 to 18 inches high. The stout plants are fairly loaded with large, bright green pods. Each pod contains from 7 to 9 large peas of a light bright green color, tender and well flavored. Qt., 50c; pk., $3.00; bu., $11.00.

Laxtonian This is the finest dwarf early pea offered today. The vines grow 18 to 20 inches high and produce an enormous crop of dark green pods as large as Grade A, maturing a few days ahead of this variety. Qt., 55c; pk., $3.25; bu., $12.00.

Sutton's Dwarf Defiance A new wrinkled marrow of fine quality. Vines stocky, quite dwarf, pods large and well filled. The exceeding productiveness of this variety for a dwarf sort makes it one of the most valuable of all for home gardens. Qt., 45c; pk., $2.00; bu., $6.00.

Admiral Dewey The largest podded pea yet introduced. Height 3½ feet; pods a rich dark green color, frequently 6 inches long, beautifully shaped. Peas large, tender and of first-class flavor. Qt., 50c; pk., $2.75; bu., $10.00.

Long Island Mammoth or Telegraph Very popular with market gardeners who want a large, handsome pod of a deep green color. Qt., 45c; pk., $2.75; bu., $10.00.

Alderman This splendid new pea comes from a European specialist in hybridizing. It is similar in growth to the Teleph, maturing about the same time. Qt., 50c; pk., $3.00; bu., $12.00.

Dwarf Champion This new pea possesses all the merits of the Champion of England, with less vine (46 inches), larger pods and more of them, and coming a little earlier. Qt., 45c; pk., $2.75; bu., $10.00.

King Edward VII Hardy and very prolific. Vines 1½ feet in height, with dark green foliage. Pods dark green, curved and pointed at the ends. Ready for table use 60 days after planting. Qt., 50c; pk., $3.00; bu., $11.00.

Telephone A tall-growing late sort, 3½ to 4 feet in height, having pods of very large size, containing 6 to 7 large peas each. Delicious flavor. Continues in bearing for quite a long time. Qt., 50c; pk., $3.75; bu., $12.00.

Boston Unrivalled Telephone. Vines grow 4 to 6 feet high, and are covered with fine, large pods. Qt., 45c; pk., $2.75; bu., $10.00.
**Peppers**

1 oz. to 1,500 plants.

Peppers should be sown either indoors or in hotbeds early in April and transplanted to the permanent beds when about 3 inches high in two foot drills and two feet apart in the drills. The seed can also be sown in open ground when danger from frost is passed but the crop will naturally be much later. A top dressing of fertilizer or poultry manure well mixed with the soil when the plants are about 6 inches high will materially aid in the production of a big crop.

Royal King This remarkable new variety represents the result of 18 years of continuous selection and re-selection on the part of one of the largest and most reliable growers of pepper seen in this country. The type is firmly established, producing fruit which is exceptionally uniform in size, shape, color and quality. The plants grow about 2½ feet high, and are vigorous; compact in their nature of growth, and very productive, commencing to bear very early and continuing until killed by frost. The fruit is very large, bright and glossy and the extremely thick flesh is sweet and mild. They will stand distant shipping and hold up well for market as they do not wilt nor become ripe near so quickly as Ruby King and other large varieties. This strain is extensively grown in the South by large shippers and under very favorable conditions a record of 100 bu. per acre has been established. It is a decided improvement upon anything yet offered in the way of a large sweet pepper and deserves the attention of every trucker and home gardener, as the quality and marketing possibilities are unexcelled by any other variety. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Ruby Giant

**A variety of Pepper which is of a desirable size and shape for stuffing. A cross of Ruby King and Chinese Giant** grows to large size and is very mild. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

Pimento or Perfection

A medium early, prolific, perfectly mild variety with extremely thick flesh. On account of its thick flesh it will hold up for a long time and is an excellent sort for canning whole. Pkt., 10c; oz., 40c; ¼ lb., $1.25.

Chili, Small

Red conical pod about 2 inches long, very hot. Good variety for mangoes or pickling; very productive and sweet. Pkt., 10c; oz., 30c; ¼ lb., $3.50; lb., $12.50.

Ruby King

**A variety of Pepper which is of a desirable size and shape for stuffing. A cross of Ruby King and Chinese Giant** grows to large size and is very mild. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

Chinese Giant

This desirable variety is undoubtedly the largest Sweet Pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Pkt., 10c; oz., 35c; ¼ lb., $2.00.

Large Bell, or Bull Nose

This large early and productive sort has the most pungent flavor of all the large peppers. Thick flesh. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Neapolitan

A variety of Sweet Pepper which matures very early. It grows about 3 inches long, and is remarkably sweet. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $3.75.

Long Red Cayenne

The pods are long and slender; bright red color and very pungent. This is an old-time favorite and is used extensively for bunching with pot-herbs. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

World Beater

This splendid pepper of recent introduction is a cross between Chinese Giant and Ruby King and combines the size of one and the earliness of the other. It is exceedingly mild and the color is at first green changing to a beautiful shade of scarlet. The flesh is very thick, making distant shipment possible. Pkt., 10c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

**PEPPER PLANTS**

**In All the Leading Varieties**

Fresh Daily—See Page 33
Seed Potatoes

We offer only strictly first class and dependable seed, produced in Aroostook County, Maine, and in most every instance certified by the Government to be free from disease and true to type.

Potatoes will adapt themselves to various soil conditions as easily as many other vegetables. A better crop will be produced, however, on a sandy loam which contains a quantity of well rotted vegetable matter. A clover sod, veteches turned under in the fall, or a land which was previously used for a potato crop, is perfectly adapted for the production of the potato crop.

In preparing the seed the eyes should be cut so that the largest part of the surrounding flesh is situated toward the stem end, because the eye of a potato always have a root system running toward that end and for that reason it is strictly pure. If the sprouts cannot draw moisture from the opposite direction. If the ground is too wet, use a spade to make the furrows and cover to a depth of about 1.5 inches, gradually filling in the furrows to level as the vines grow larger. For main crop it is just as well to cover the eyes with four inches of soil at once, if fertilized and thinned in the row or broadcast before planting and be sure that it is thoroughly mixed with the soil so that the seed is not burned. Fresh stable manure will cause the potatoes to become scabby.

For a very early crop, run off furrows about three feet apart and about four inches deep. Drop the pieces about 1-2 inches in the furrows and cover to a depth of about 1.5 inches, gradually filling in the furrows to level as the vines grow larger. For main crop it is just as well to cover the eyes with four inches of soil at once, if fertilized and thinned in the row or broadcast before planting and be sure that it is thoroughly mixed with the soil so that the seed is not burned. Fresh stable manure will cause the potatoes to become scabby.

Spraying for insects and blight is very necessary, Pyrox, Bug Death, etc., giving very satisfactory results. Preparations containing sulfur should be used lightly as this has a tendency to weaken the plants.

The size and quality of the crop and the ability to resist diseases is directly dependent upon the seed planted and no amount of cultivation or attention will offset the uncontrollable results of poor seed. Be sure of your crop and the only best Maine grown seed potatoes.

Vermont Gold Coin
A very desirable main crop variety, known for its large, white, smooth, flattened tubers of good quality, with smooth eyes. It is hardy, productive and yields well.

White Star
Light, medium, late, of good size and quality, white in color; eyes flush with the skin and a good keeper.

Carman No. 3
It is a good late variety and one of the best in the market, large, white, of good size and quality.

Norcross
Its shape is a little oblong and slightly flattened. The skin is finely netted or rusty, which always indicates good cooking and eating quality. The tubers are large and very uniform, maturing medium early.

American Giant
One of the heaviest yielders grown, and a favorite with all large growers. It is a long, white, smooth, handsome potato of good quality, with smooth eyes; maturing with the second earlies and is a late keeper. Continue weeding and harrowing until the vines have attained full growth and before starting to sprout.

Prosperity
This is a very handsome general crop potato. Its skin is slightly rusty, of a light orange color; flesh is firm and slightly flattened. The eyes are very shallow. The size is large and desirable, very few under market size. Always smooth and round with splendid quality.

Burbanks
This variety is quite largely used as one of the reliable late Potatoes, of good size, white skinned, of oblong shape and good yielder. It is a late keeper and is a good favorite.

Puritan
A very desirable potato for a late crop, large, white, smooth, of good quality, color and shape, a pure white, shape oblong, yielding large crops.

Seed Sweet Potatoes

Yellow Jersey
Select “up-ver” strain. A select strain of smooth, short, “chunky” Yellow Jersey. Yields 25 to 50 per cent more marketable stock and sells higher than any other. Dry and sweet; decidedly the best of all.

Prices subject to market fluctuations.

Sweet Potato Plants
For prices see page 35.

Prices on Application
Radishes

1 oz. for 100 feet of drill; 9 lbs. per acre.
Light, sandy soil, rich in organic matter is essential to produce crisp and tender radishes. For an early crop sow the seed as soon as the ground can be worked, in drills 6 to 10 inches apart, covering the seed half an inch deep. When the plants are well started, thin out to one inch apart in the drills. Frequent watering in dry weather is very beneficial as high quality is largely dependent upon rapid growth. For a continuous supply, successive plantings should be made at intervals of 10 days to two weeks, selecting varieties best suited for the season.

Extra Early Scarlet Globe (Forcing) This is the market gardener's favorite as a forcing Radish, very early; mild and crisp, juicy and tender; top small; will stand heat without becoming pithy. One of the best selling and most attractive Radishes on account of its bright scarlet color and handsome shape. Our stock of this is the very best, selected with special care as to size, shape, color and earliness, and market gardeners will find it a money maker, as it is just right in every respect. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

Extra Early Deep Scarlet Turnip Deep turnip shaped, small top, desirable for frames or outside. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

Early Deep Scarlet Turnip For outdoor sowing this is the more important in the Baltimore market, thousands of pounds being annually used. Our stock is the very best. It has a rich scarlet color, ball shape, a little larger top and matures a week later than the forcing varieties. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

Ruby-Pearl The color is a bright scarlet and white. It is extremely quick to mature, being ready for the table in 20 days from the time of sowing. It is invaluable for forcing under glass as well as for growth in the open air. The skin is very smooth, and its clear color gives an appetizing appearance on the table. Its flavor is excellent, and its qualities high in all respects. Pkt., 5c; 1/4 lb., 25c;

Early Scarlet Turnip, White Tipped One of the handsomest of the Turnip Radishes for early planting outdoors. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality. Pkt., 5c; 1/4 lb., 20c; lb., 60c.

Crimson Giant

A variety combining earliness and great size. It grows much larger than other extra early varieties, but does not become pithy, even when fully twice as large in diameter and a week older; beautiful crimson-carmine; turnip-shaped; flesh firm, crisp and tender. We recommend it for outdoor garden planting as well as for greenhouse forcing. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 75c.

(New) Round Scarlet China This new variety Radish may be sown at intervals from spring until autumn. Matures in from six to seven weeks, and is much harder than most other varieties. Valuable as a winter Radish, as well as for summer. Its handsome round shape, rich scarlet color and pure white flesh commend it to all. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

Golden Globe

Second early, grows to a good size; stands the heat well; very popular with market gardeners. A beautiful golden yellow, flesh crisp and tender. Pkt., 5c; 1/4 lb., 30c; lb., $1.00.

Half Long Deep Scarlet, or “Paris Beauty” This is a splendid strain of similar season to the Early Long Scarlet. Very popular. The Radishes are of slightly larger diameter and most brilliant scarlet coloring. Flesh purest white, crisp and juicy. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

French Breakfast Color is a scarlet rose, shading to a waxy white at the tip; quick growth, mild and tender; good for forcing. Pkt., 5c; 1/4 lb., 25c; lb., 60c.

Felton's Model White Box (Forcing) It is of handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy and unsurpassed in flavor. Pkt., 5c; 1/4 lb., 25c; lb., 75c.

Crimson Giant Radishes.
Radishes - Continued

Long Scarlet This is the standard extra early long scarlet market variety, short top, long scarlet roots; crisp, fine flavor. Pkt., 5c; ¼ lb., 20c; lb., 60c.

White Icicle Radish It fully equals in crisp, tender flesh and mild flavor the popular White Vienna or Lady Finger. While it is as early as Long Scarlet Short Top, planted in spring, the young Radishes are ready for use in 20 to 25 days from sowing the seed, and their long, slender forms and pure paper-white skin are most attractive when bunched for market. Pkt., 5c; ¼ lb., 20c; lb., 60c.

Cincinnati Market "Glam Radish") A selected strain of the Long Scarlet, growing to slightly larger size than as early and darker in coloring. Pkt., 5c; ¼ lb., 20c; lb., 50c.

Long Bright Scarlet, White Tipped This is the brightest and handsomest colored scarlet Radish known. Pkt., 5c; ¼ lb., 20c; lb., 50c.

Improved Chartier The color at top is crimson, running into pink at middle, and from thence downward is pure white, very quick growth, ready for use as early as Long Scarlet. Exceedingly tender and crisp. Pkt., 5c; ¼ lb., 20c; lb., 50c.

Pearl Forcing This variety is a cross between Wood's Early Frame and White Strasburg. The color is a pearl white, with a fine waxy appearance, very solid, and will remain in good condition longer than any other extra early variety. Pkt., 5c; ¼ lb., 20c; lb., 60c.

Long White Vienna, or Lady Finger This is the finest Long White Radish in cultivation, it is most beautiful in shape, white in color, both skin and flesh are pure snow-white, crisp, brittle, and of rapid growth. Highly recommended. Pkt., 5c; ¼ lb., 20c; lb., 60c.

New White Strasburg A very new desirable summer variety, a favorite with our market gardeners; skin and flesh both white. It is excellent quality and a quick grower. Pkt., 5c; ¼ lb., 25c; lb., 75c.

Perpetual White Summer This variety, introduced by us, has given splendid satisfaction to all who have tried it. They are pure white, of uniform good quality, crisp and brittle, and they keep longer in a fit condition for the table than any variety we know of, hence its name. Perpetual White Summer. Can be sown any time of the year, and will always produce good radishes fit for market earlier than the Charleroi, and keep in perfect shape for marketing about four weeks, or longer for home use. Pkt., 5c; ¼ lb., 25c; lb., 75c.

White Chinese Radish Large, stamp-rooted Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition, mild in flavor, brittle, and never woody. Market gardeners will find this a special seller. Pkt., 5c; ¼ lb., 25c; lb., 60c.

White Chinese New Celestial Large, stamp-rooted Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition, mild in flavor, brittle, and never woody. Market gardeners will find this a special seller. Pkt., 5c; ¼ lb., 25c; lb., 60c.

White Round Spanish Root large, often five inches in diameter, turnip-shaped, skin pure white, flesh white, crisp and not becoming pithy, very compact and highly flavored; an excellent sort for winter, as the roots last a long time. Pkt., 5c; ¼ lb., 25c; lb., 75c.

Improved Half-Long, Black Spanish Radish This variety is intermediate in shape between the Old Round and Long Black Spanish, and much superior to either. Flesh mild, very sweet and crisp, never pithy, and is decuded of the best of all black radishes. If stored in damp sand in the cellar, they will keep all winter. Pkt., 5c; ¼ lb., 25c; lb., 90c.

Round Black Spanish Large, stamp-rooted Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition, mild in flavor, brittle, and never woody. Market gardeners will find this a special seller. Pkt., 5c; ¼ lb., 25c; lb., 60c.

Chinese Rose A splendid rose-colored variety that keeps during winter; tempting flavor and very crisp. Pkt., 5c; ¼ lb., 25c; lb., 60c.

Long White Spanish This variety is of a snow-white color, similar to the White Strasburg in shape, but rather more stamp-rooted. Pkt., 5c; ¼ lb., 25c; lb., 75c.

Long Black Spanish Eaten as Black skin, white flesh, very firm and solid, good keeper, grows long and large. Pkt., 5c; ¼ lb., 25c; lb., 60c.

California Mammoth Was first introduced into this country by the Chinese in California. It is pure white, about one foot long, and two or three inches through. Tapering regularly to the tip. The flesh is tender and crisp, keeping well through the winter. Pkt., 5c; ¼ lb., 25c; lb., 60c.
**Salsify or Oyster Plant**

1 oz. for 50 feet of drill.
Requirements are well enriched, mellow soil, which, previously to sowing the seeds, should be stirred to a depth of 18 inches. Sow early in the spring in drills 18 inches apart; cover the seed with fine soil 1½ inches in depth, and when the plants are strong enough thin out to 6 inches apart. As the leaves resemble grass, be careful they are not mistaken for it when weeding.

**Large White** The standard variety, with white roots 1 inch in diameter at shoulder and tapering to a length of 8 to 10 inches. Oz., 20c; ½ lb., 40c; lb., $1.50.

**Mammoth Sandwich Island**
A new and improved type, producing roots of nearly double the size and weight of the old varieties; mild and delicately flavored. Pkt., 5c; ½ lb., 10c; lb., $1.25.

**Herbs**

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**Rhubarb or Pie Plant**

Sow in April or May, in drills 1 foot apart; when 3 or 4 inches high, thin out in rows 6 to 10 inches apart. Transplant the ensuing fall or spring in rich soil. Set out the roots 3 to 4 feet apart each way; the following spring it will be fit to use.

**Linnaeus** Pkt., 5c; Oz., 20c; ¼ lb., 40c; lb., $1.25.

**Victoria** Very large, the finest cooking variety. Pkt., 5c; Oz., 20c; ¼ lb., 40c; lb., $1.25.

**RHUBARB ROOTS—See page 33.**

**Squash**

1 oz. of bush sorts to 40 hills of lgs. seeded 15 hills. 2 lbs. of bush sorts to 4 acres of lgs. seeded 3 to 4 to acre. Squashes, like other vines, are partial to a light, dry, rich soil. Plant the running varieties in hills 18 feet apart each way; thin out to three plants in a hill. Cultivate frequently until the vines commence running, after which do not work the soil deep. Use Paris Green to destroy bugs, as with Cucumbers. Plant Bush Squashes in hills feet apart each way; thin out to four plants in a hill.

**Extra Early Jersey White Bush Scallop** This is an improved strain of the Old White Bush. It sets fruit 10 days earlier; of a beautiful clear waxy white instead of the greenish white often seen. Very productive, and shows less ridge or scallop; containing a larger amount of solid flesh. Pkt., 5c; ½ lb., 30c; lb., $1.00.

**Summer Crookneck** A beautiful, bright yellow, bears all summer, and commands good prices. Very desirable for market and private use. Pkt., 5c; ½ lb., 25c; lb., 75c.

**Bush Fordhook Squash** In this new true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type, and have a smaller seed cavity. Our Fordhook Squash is about a week later than the Early White Bush, but is much sweeter and better flavored. Stored in a dry place they will keep in good condition until the following June. Pkt., 5c; ½ lb., 40c; lb., $1.50.

**Fall and Winter Varieties**

**Hubbard** Well-known winter variety, with very hard, firm shell, fine grain, sweet and rich flavor, and excellent for table use. A splendid keeper. Pkt., 5c; ¼ lb., 30c; lb., $1.25.

**Winter Crookneck** Flesh rod, of fine flavor and good keeper. Pkt., 5c; ¼ lb., 30c; lb., 40c.

**Boston Marrow** A fall and winter variety regarded very highly in the markets. A large, pointed, thin rind, fine grain; salmon-colored flesh, remarkably sweet and delicious. Keeps well in winter and will boil dry as a mashed potato. Pkt., 5c; ¼ lb., 25c; lb., 75c.

**IMPROVED HUBBARD**

**Large-Leaved French** Pkt., 5c; ¼ lb., 30c; lb., $1.50.
Spinach

1 oz. to 100 ft. of drill; 12 to 15 lbs. per acre.

One of the most staple vegetables of the American table, possessing highly valuable and health-giving qualities; easily grown, requiring but little attention, and in sections where the soil is rich, very profitable, crops are produced.

Select a rich piece of ground, the richer the better; and for late spring and early summer use, sow the seed during February, March and April in drills one foot to 20 inches apart, one-half to one inch deep. When the plants are well started thin out to 4 to 6 inches apart, or sow the seed thinly and allow all the plants to stand.

For winter and early spring use, sow either in drills or broadcast during August, September and October. A top dressing of Nitrate of Soda will make a vast improvement in the earliness, size and quality of the crop.

American Bloomsdale Curled Savoy A very popular variety with market gardeners and truckers for fall sowing. Grows very large and in the opinion of some growers, superior to the imported strains. 1/4 lb., 10c; 1 lb., 25c; 10 lbs., $1.00.

Imported Bloomsdale Curled Savoy Norfolk Savoy-Leaved. It produces a crop extremely early and thrives best in the cooler seasons, as warm weather causes it to run to seed. For this reason early spring and late fall plantings are most profitable. We grow large quantities of this variety in Europe. In sections best suited for its perfect development, and qualities; easily grown, requiring but little attention used by the largest and most successful truckers. Pkt., 5c; lb., 20c; 100 lbs., $1.00.

King of Denmark This new variety is undoubtedly the most valuable introduction of Spinach in recent years. Although the plants are ready for use almost as soon as the medium-early sorts, they remain in condition from a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Bloomsdale type in habit but the leaves are more crumpled or blistered and are of much darker green color. The leaves are thick, stand well after cutting and are of good quality. This variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both home and market gardeners. Pkt., 10c; lb., 50c; 10 lbs., $1.00.

New Giant Market, or Mammoth Evergreen

Of recent introduction, producing plants of large size and vigorous growth. The leaves are of the Bloomsdale type, of remarkably fine texture and of deepest green color, very hardy and slow to run to seed. Pkt., 5c; 1/4 lb., 15c; lb., 40c.

Improved Curled Late Seeding

Excellent for late spring planting in an area it will stand longer than any other variety before running to seed. Has large, thick, fleshy leaves, produced abundantly. Pkt., 5c; 1/4 lb., 10c; lb., 35c.

Victoria Midseason sort of low spreading habit, producing an abundance of very dark green leaves, slightly crumpled in the center. Late seeding and of excellent quality. Pkt., 5c; lb., 15c.

Nitrates of Soda At an attractive price—See page 32. Market Boxes and Bushel Baskets In Large or Small Quantities.
Tomato

1 oz. to 2,000 plants; ½ lb. per acre.

All our tomato seeds are grown from stocks, exclusively for seed purposes, by the originators, experienced growers and experts. We are fully convinced of the merit of all new varieties before placing them in our catalog, and therefore strongly recommend our strains as being absolutely reliable.

For early, the seed should be sown in hotbeds during February or the first week in March, in drills 8 inches apart and half an inch deep. Later sowing may be made until the last of April. Plants raised in this manner should be set out 4 or 5 inches apart in another hotbed or cold frame, or removed into small pots, allowing a single plant to the pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate freely as long as the weather is very warm, but, for the last two or three workings should be very shallow or the crop may be badly injured, especially if the cultivator is run near the plants.

Extra Early Varieties

Mann’s Improved Advance This new acquisition supplies a long-felt need for an extra early, large tomato of high quality, symmetrical shape, and a perfect tomato flavor. It is as early and hardy as Sparks’ Earliana, producing a good crop of globular and distinctly smooth fruit. One of its chief characteristics is its freedom from acid, so commonly found in all other extra early sorts; its mild juicy flavor being equal to that of the highest quality main crop varieties. With Mann’s Improved Advance the grower can produce a crop which will stand superior in appearance and quality, in competition with the other extra early varieties on the market.

Fruit, one-half pound, 35c; one pound, 70c.

Bonny Best ¾ lb., 90c; lb., $1.25.

Ripens 10 days later than Earliana, a more prolific but less upright. It has a larger fruit with a very firm texture and its color of yellowish red, with good flavor.

King of the Earlies A very productive and quite early variety, very similar to Sparks’ Earliana; the vines are somewhat heavier and leave more plentiful, which furnish great protection for the fruit, and for this reason, it has become a favorite with many growers.

Fruit, one-half pound, 35c; one pound, 70c.

IXL Extra Early For description see King of the Earlies.

Second Early and Main Crop Varieties

Bonny Best This new sort has already become a favorite among large growers for early market. It is earlier than Chalk’s Early Jewel, and within two or three days as early as Earliana. Very prolific, with liberal foliage to protect the fruit from the sun. The beautiful scarlet-red fruit is set in clusters of 5 or more. Its great characteristic is that it ripens even later than Earliana in hotbeds, but may be used for home use, as fruits are thicker end more solid, comparing the flesh of Bonny Best with that of Earliana. Color bright scarlet and quality very best. Pkt., 10c; oz., 30c; ½ lb., $1.00; lb., $3.50.

Chalk’s Early Jewel Ripens 10 days later than Earliana, but a second early variety, maturing 10 days later than the King of the Earlies. Fruit is borne in clusters of 4 to 6, averaging 3 inches across and 2½ inches from stem to blossom end.

Fruit, one-half pound, 35c; one pound, 70c.

John Baer Early, a second early variety, maturing 10 days later than the King of the Earlies. Fruit is borne in clusters of 4 to 6, averaging 3 inches across and 2½ inches from stem to blossom end.

Wisdom Tomato Medium early, perfectly smooth, deep red and uniform. Pkt., 10c; oz., 35c; ½ lb., $1.15; lb., $1.00.

Livingston’s Globe One of the main varieties grown by the leading Tomato Growers in Florida. It is of beautiful globe shape, very deep through from blossom end to stem, in which, permits the greatest number of slices being taken than with the flat rooted fruits. Among the very finest to ripen, although of large size; very smooth, firm fleshed, few seeds; ripens evenly; color a beautiful glossy rose-tinted purple. A good cropper and one of the best for greenhouses or first crop on stake or trellis. Pkt., 10c; oz., 35c; ½ lb., $1.00; lb., $3.50.

Coreless A very large, uniformly globe-shaped, bright scarlet, main crop or late tomato. Fruits very solid, almost entirely free from green core, and with little or no depression at stem end, making the variety especially desirable for slicing, canning and shipping. Vines very vigorous, blight resistant and productive. Pkt., 10c; ½ lb., $1.00.

Livingston’s Beauty A decided favorite for home market or shipping, being early, hardly, a strong grower, productive, large, always smooth, of perfect shape and excellent quality. Color is very glossy crimson, with a three times the size of the variety. Grows in clusters of 4 to 6 large fruits, retaining its large size until late in the season. Ripens early, and entirely free from ribbed or elongated fruits. Pkt., 10c; ½ lb., 90c; lb., $3.00.

Livingston’s Early Perfection An improved. Acme with a red skin, produces large fruit until the close of the season, invariably smooth and of handsome blood-red color. Some canners prefer it to all others, especially those who can the tomatoes whole. It usually ripens 10 days ahead of Stone. Pkt., 10c; oz., 35c; ½ lb., 90c; lb., $3.00.

Blythe Best Tomatoes.
Tomato - Continued

Kelley's Red
The plants grow vigorously, and are very productive. The fruits are large, slightly flattened, bright scarlet, smooth, ripening evenly to the core. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Matchless
The vines of are of strong, vigorous growth, well set with fruit, the foliage is very rich, dark green color. They are entirely free from core, of a very rich cardinal red color, and are not liable to crack from wet weather. The fruits are of the largest size, and this is maintained throughout the season, the healthy growth of foliage continuing until killed by frost. Oz., 30c; ¼ lb., 90c; lb., $3.00.

Maryland Pride
Since our introduction of it in 1905 it has been grown with great success by canners and market gardeners, who pronounce it “the very best second early and main crop Tomato they have ever grown.” The fruit is a beautiful bright red color, magnificent size and handsome, smooth shape. The vines grow vigorously, and produce abundantly until killed by frost. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

Enormous
So named on account of the large size of Tomatoes, which are very solid and smooth. Quality good Pkt., 10c; oz., 25c; ¼ lb., $1.00; lb., $3.50.

Greater Baltimore
Large, smooth, solid, bright scarlet; second early. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.00.

Favorite, or Queen
Large size, ripens evenly and early, very prolific, red color; flesh solid and good flavor. Pkt., 10c; ¼ lb., 60c; lb., $2.00.

New Stone
This variety has attained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape perfectly smooth, and thicker from stem to blossom end than most varieties, making it most handsome and salable. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

B. B. Tomato
For description see New Stone. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Livingston’s Paragon
Large size, solid and highly flavored. It is larger than several of the standard varieties, and grows large fruit up till frost. Oz., 25c; ¼ lb., 60c; lb., $2.00.

Success
The vines are of strong, vigorous growth, with abundant foliage. The fruits, set in clusters, average three inches in diameter and two to two and a half inches through from stem to blossom end. Color brightest scarlet; perfectly smooth; very meaty; of fine flavor. Pkt., 10c; ¼ lb., 90c; lb., $2.00.

Ponderosa
The largest purple fruited Tomato in cultivation; very solid and of finest quality. Pkt., 10c; oz., 30c; ¼ lb., $2.50.

Buckeye State, or Duke of York
One of the largest set; fruits in immense clusters; solid and meaty. Color similar to Beauty, but darker and richer. Pkt., 10c; ¼ lb., $1.00; lb., $3.50.

Red Rock
By close comparison of this new Tomato we find several strong points in its favor; extreme hardiness, size of fruit and productiveness. Compared with Livingston’s New Stone, they yield one-third more Tomatoes of a deeper red; in beauty of coloring and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, with very rich, dark green foliage. The rich cardinal red fruit has very tough skin, and is not liable to crack from wet weather. Oz., 30c; ¼ lb., 90c; lb., $3.00.

Preserving Tomatoes
The following small-fruited varieties are used for making preserves, and are quite ornamental while growing in the garden:

Pear-Shaped Red
Pkt., 10c; oz., 30c; ¼ lb., $1.00.

Pear-Shaped Yellow
Yellow Plum

Red Rock
**Turnip**

1 oz. to 150 ft. of drill; 1 lb. per acre.

Being primarily a cool weather vegetable, turnips thrive best when planted in early spring or in the fall. For spring crop, drills are best made early in April, while for fall use, in rows not less than 18 inches apart and one-half to three-quarters of an inch deep. A very popular method, however, is to broadcast the seed between rows of corn or in the cultivated orchard. Proper control of root maggots is effected by rotation of crops, the use of commercial fertilizers instead of manure and the application of Mag-o-tite or other carbo acid emulsion.

**Extra Early Purple Top Milan**

This, with the White Milan, is the earliest of all turnips. Remains in good condition a long time. Oz. 10c; ¼ lb. 30c; lb. $1.00.

**Extra Early White Milan**

Similar to above, except it is pure ivory white, in color, and about one week earlier. Oz. 10c; ¼ lb. 30c; lb. $1.00.

**White Early Dutch Flat**

A standard variety, good size, pure white; small top, few leaves and very sweet. ¼ lb. 15c; lb. 40c.

**Purple Top Strap Leaf**

The popular variety, either for family or market use; large size, white, purple a b v ground, flesh fine grained. ¼ lb. 15c; lb. 50c.

**Yellow Globe Orange Jelly**

One of the best for general crop; flesh firm and sweet; grows to a large size; splendid for table or stock, and keeps well until late in spring. ¼ lb. 20c; lb. 50c.

**Purple Top White Globe**

Also known as Red Top White Globe. This excellent turnip is decidedly the most popular variety and more extensively grown. The tops are globular, very handsome and of superior quality; either for table use or stock feeding purposes. It is a heavy producer, early, of rapid growth, and one of the best for winter storage. ¼ lb. 15c; lb. 30c.

**Cow Horn**

Very heavy cropper, a quick grower, best for stockmen. ¼ lb. 20c; lb. 50c.

**Seven Top**

This variety is principally planted in the South for the green tops which are produced very abundantly. ¼ lb. 20c; lb. 50c.

**Rutabagas or Swedes**

Rutabagas require about four weeks longer to mature than ordinary varieties of turnips, but are sold in the market, of finer flesh and therefore keep later into the spring. They are for this reason more desirable for storage, while turnips are better adapted for the early market. Sow during July either in drills or broadcast.

**Neckless Purple Top Rutabaga**

Our superb strain of this excellent variety has become a favorite because of its hardy and productive nature.

**Manns’ High Grade Fertilizer**

When Thinking of Fertilizer, Do Not Overlook the High Value of Combines, Cow Peas, Soy Beans, Vetches, Etc., For Plowing Under as Green Manure.

**Bone Meal (Extra Fine)**

An excellent fertilizer especially recommended for lawns, gardens, and shrubbery, where it is desired to furnish the plants with a perfectly safe, slow acting but continuous supply of nourishment. Flints and nurseries use large quantities of our bone meal very successfully. 2 lbs. 15c; 10 lbs. 65c; 50 lbs. $2.50; 161 lb. bag, $4.50. (Add transportation charges). Special price on large quantities.

**Manns’ Vegetable and Flower Plant Foods**

This class of fertilizers can be supplied in a number of combinations, each having a guaranteed analysis which will prove most helpful to the grower for which it is intended. Our volume of business in vegetable fertilizers is rapidly increasing, because our customers have found our stock to be strictly first class, dependable, low priced, and productive of the best crops in competition with other brands.

**Sheep Manure**

One of the most popular fertilizers for lawns, garden crops and potted plants, of high analysis, thoroughly dried and pulverized, giving excellent results. For top dressing of lawn, use 1 ton per acre, applying in fall or early spring. For garden crops use 2 to 3 tons per acre, turning half the quantity under and top dressing the remainder. Clean to handle and very effective. 8 lbs. 25c; 50 lbs. $1.75; 100 lb. bag, $3.75. Special price in quantities.

**Land Plaster**

Useful as a medium for retaining moisture and the skins and nutrients of manure with which it is often mixed. Often applied on sandy soils, which do not retain moisture readily. Also used for digging potatoes after they have been cut for seed, sealing the cuts as a protection and also supplying nourishment. Mixed with Paris Green proves very effective in destroying plant vermin. Excellent lawn dressing, 200 lb. bag, $5.50. Special price in quantities.

**Nitrate of Soda**

A fertilizer for all crops. It is highly soluble, quick in action and hastens the maturity of crops fully two weeks. Will not take the place of another fertilizer but supplies the growing crop with an abundance of nitrogen which greatly assists the plants to make use of other nourishment already in the soil. 1 lb. 85c; 10 lbs. 60c; 100 lbs. $4.00; 200 lb. bag, $6.50. Special price on quantities. (Add transportation charges).

**Tobacco Dust**

A scientific, odorless renovator for potted plants. 10c and 25c sizes.
MANNS' VEGETABLE PLANTS AND ROOTS

We are large producers of the following plants and can fill orders daily with fresh, strong, stocky plants grown on our trial grounds from the best strains of seed. Varieties not grown by ourselves are contracted for with the most reliable and trustworthy plant growers in this section, who, we know from experience, produce only the best plants. We shall be pleased to quote special prices on lots of 5,000 or more. If sold out of any variety ordered, we shall take the liberty to substitute a nearly similar kind unless otherwise instructed.

CABBAGE PLANTS. Frame-grown and transplanted. (Ready in March and April.)
Early Jersey Wakefield. Pointed head.
Charleston Large Wakefield. Pointed head.
Copenhagen Market. Round head.
Eureka First Early. Flat head.
All Head, or New Early. Flat head.
Postpaid, per 100, 75c; 1,000, $5.00.

CABBAGE PLANTS. Field-grown, strong and stocky. (Ready May and June.)
All Head Early. Flat head.
Early Flat Dutch. Flat head.
Volga. Larger round head.
Early Summer. Flat head.
Succession. Flat head.
Improved Lupa. Flat head.
Large Late Flat Dutch. Flat head.
Imperial Drumhead Savoy. Flat head.
Postpaid, per 100, 50c; 1,000, $4.00.

CABBAGE PLANTS. For late planting. (Ready September and October.)
Extra Early Jersey Wakefield. Pointed head.
Charleston, or Large Wakefield. Pointed head.
All Head, or New Early. Flat head.
Postpaid, per 100, 50c; 1,000, $3.00.

CAULIFLOWER PLANTS. (Ready in March, July and August.)
Postpaid, per doz., 25c; 100, $1.50; 1,000, $12.00.

BORECONE PLANTS. (Ready in May and June.)
Hardy Winter.
Dwarf Green Scotch.
Postpaid, per 100, 75c; 1,000, $4.50.

CELERY PLANTS. (Ready in July.)
American Self-Blanching.
Columbia.
Giant Pascal.
Winter Queen.
Postpaid, per 100, $1.10; 1,000, $6.00.

CELERY PLANTS. Grown from French seed.
Golden Self-Blanching.
Per 100, $1.25; 1,000, $8.00.

Egg PLANTS. (Ready in May and June.)
Mammoth Imp. Purple.
New York Smooth Stem.
Postpaid, per doz., 25c; 100, $1.50. By express, 1,000, $10.00.

LETTUCE PLANTS. (Ready in March, April, September and October.)
Postpaid, per 100, 50c. By express, 1,000, $4.00.

PEPPER PLANTS. (Ready in May and June.)
Ruby Giant.
Chinese Giant.
Perfection.
Postpaid, per doz., 25c; 100, $1.50. By express, 1,000, $10.00.

PEPPER PLANTS.
Ruby King.
Bull Nose and Needle.
Postpaid, per doz., 25c. By express, 1,000, $8.50.

SWEET POTATO PLANTS. (Ready May and June.)
Up Rivers.
Big Stems.
Yellow Jerseys.
Postpaid, per 100, $1.00. By express, 1,000, $7.00.

TOMATO PLANTS. Hothouse grown. (Ready in April and May.)
King of the Earlies.
L. P. L.
Bony Best and Ponderosa.
Maryland Pride.
Postpaid, per doz., 20c; 100, 75c. By express, 1,000, $5.00.

TOMATO PLANTS. Field-grown plants. (Ready June and July.)
Maryland Pride.
Red Rock.
New Stone.
Greater Baltimore.
By express, per 100, 60c; 1,000, $4.00; 5,000, $18.00.

ASPARAGUS ROOTS. See page 2.

HORSERADISH ROOTS. (Ready till May.)
Large Nuremberg.
Postpaid, per doz., 25c; 100, $1.25.

RHUBARB ROOTS. (Ready November till May.)
Postpaid, each, 15c; doz., $1.50; 100, $9.00.

Strawberry Plants

We can supply fresh, strong, healthy plants of all the leading varieties in any quantity. Following is a partial list of the most popular sorts for planting in the vicinity of Baltimore.
Mitchell's Early. Extra early.
Lady Cornelle. Midseason.
Gandy. Late, very productive.
$1.50 per 100; $9.00 per 1,000. Postage or expressage extra.

Everbearing

PROGRESSIVE. Undoubtedly the best everbearing variety in cultivation, producing a large crop of high quality fruit the same year they are set out. True main crop ripens in the fall.
$2.50 per 100, 1,000, $15.00. Postage or expressage extra.

Get Our Prices on Berry Boxes
Our constant aim is to supply our customers with the very best domestic and imported strains obtainable. We spare no expense in our efforts to maintain the highest standard of quality. Our list contains those varieties which are most popular because of their beauty, usefulness, and ease of cultivation.

**Annuals** are those which attain full growth, bloom and die the same year, and are raised from seed exclusively.

**Perennials** produce plants the first year, which with a few exceptions do not flower until the second year from planting of seed, after which they bloom every year and last several years.

The class to which each variety belongs is indicated as follows: (A) for Annuals; (B) for Biennials; (P) for Perennials.

**AGERATUM (A)**
Splendid for bedding or pot culture, covered from June until frost with a mass of very attractive flowers of a tufted appearance. Very effective when contrasted with geraniums. Large-flowered White, large-flowered Blue or Mixed. Pkt., 10c; ½ oz., 25c.

**ALYSSUM (A)**
Sweet Alyssum. Little Gem. Very popular border flower, coming into bloom six weeks after planting seed and requiring the least attention of all flowers. Very erect and dwarf, its white flowers greatly enhancing the beauty of any bed or border. Height 4 inches. Pkt., 10c; ½ oz., 15c; oz., 30c.

**AMARANTHUS (A)**
Very useful in borders of tall plants, among shrubs, or in centers of large beds. One type has large feathery plumes or sprays of rich crimson coloring while the other is grown exclusively for the brilliant-colored leaves.

**CAUDATUS. (Love Lies Bleeding.)**
Plants of erect growth three to four feet high, producing numerous feathery sprays of rich crimson color. Pkt., 5c; oz., 15c.

**SALICIFOLIUS. (Willow-Leafed or Fountain Plant.)** Grows two to three feet high, with long hanging flower heads and foliage of a deep purple coloring. Pkt., 10c; ½ oz., 45c.

**SPLENDENS. (Rainbow Plant.)**
Beautiful variegated foliage with large crimson flower heads. Pkt., 10c; ½ oz., 25c.

**TRICOLOR. (Joseph’s Coat.)** Similar to Splendens, having a single erect stalk of brilliantly-colored foliage. Pkt., 5c; ¼ oz., 15c.

**ANTIRRHINUM or Snapdragon (P)**
This border and bedding plant of long blooming season is now one of the best perennials suitable for flowering as an annual. The long showy spikes of curiously-shaped tubular flowers with spreading lobes and finely marked throats are fragrant as well as brilliantly-colored. They are very desirable for cutting as the blooms are borne well above the dark glossy leaves and keep fresh for a long time.

For flower the first season outdoor, sow seed very early under glass and transplant to open border as soon as the ground is warm and dry, in rich loamy soil in a sunny situation, setting one foot apart each way and giving them plenty of water; or sow the seed in August or September and cover the plants with a mulch on approach of cold weather. These fall-sown plants may be transplanted into pots and flowered, and in this case give them the same temperature and treatment as geraniums and carnations. Tender perennial, often treated as an annual or biennial, attains a growth of one and one-half to two feet high. Special mixtures of the very best delicate colors. Tall mixed, pkt., 5c; ¼ oz., 20c; oz., 50c. Semi-dwarf mixed, pkt., 5c; ¼ oz., 20c; oz., 50c. Separate colors, pkt., 10c; oz., $1.00.
Aquilegia or Columbine (P)

As a cut flower the long spurred Aquilegas are the daintiest of our outdoor grown flowers. Very hardy, blooming profitably early in the season and remaining in bloom for a considerable period. Pkt., 10c; ½ oz., 50c.

Asters (A)

Very popular because of their beauty and ease of culture. The varieties listed represent the finest Asters of the early, midseason and late types and will give a profusion of bloom from July to late October. Asters require good rich soil and during the growing period should be well supplied with water.

QUEEN OF THE MARKET. Branching habit, 1 ft. high, large flowers borne on long stems, blooming in July. Mixed colors. Pkt., 5c and 10c; ½ oz., 25c; oz., 75c.

GIANT COMET. Very distinctive, the outer petals being broad, flat and reflexed, while the center of the flower has a feathery appearance. Follows Queen of the Market in season and grows 1½ to 2½ feet high. Deep scarlet, dark blue, light blue, delicate yellow and rose.

Pkt., 10c; ½ oz., 50c; oz., $1.50. Mixed, ½ oz., 25c; oz., 75c.

ASTER UNICUM. Brilliant rose, salmon-rose, rose-lilac.

Pkt., 10c; ½ oz., 75c.

VICTORIA. Compact plants with very large and double flowers. Good for bedding or cutting. Free flowering.

Mixed, pkt., 10c; ½ oz., 40c.

CREGO. Flowers of immense size, 4 to 5 inches in diameter borne on very long stems. Plants are of strong branching growth, 2 to 2½ feet high. Separate colors. Pkt., 10c; ½ oz., 50c. Mixed, ptk., 10c; ½ oz., 30c.

Bellis Perennis - Double Daisy (P)

Favorite perennials producing their handsome double flowers in the spring. Best soil and a cool situation suit them best. Extra large double large flowered or white. Pkt., 10c; ¼ oz., $1.20.

Improved Longfellow type, large flowered. Pkt., 10c; ¼ oz., $2.00.

Balsam or Lady Slipper (A)

An easy growing annual of quick growth, producing numerous flowers resembling tiny roses. Splendid double mixed, ptk, 5c and 10c; oz., 20c.

Coreopsis - Calliopsis (A)

Very handsome and showy plants with numerous flowers of brilliant colors excellent for bouquets. Thrive well in any soil. Pkt., 10c; ½ oz., 25c.

Campanula-Canterbury Bells (B)

An old-fashioned favorite, stately, showy and easily grown, hardy biennial. Single, ptk., 10c; ¼ oz., 15c. Double, ptk., 10c; ½ oz., 15c.

Candytuft (A)

This hardy annual is universally known and its clusters of small flowers are very beautiful and useful for cutting and borders.

EMPRESS. Large spikes of purest white, erect growth.

Pkt., 5c and 10c; oz., 20c.

FINEST MIXTURE OF ALL COLORS. Pkt., 5c and 10c; oz., 10c.

Campanula-Canterbury Bells.

Carnations (P)

With protection these well known half-hardy perennials can be wintered over outdoors. When planted early they will begin to bloom in about four months and continue until late in the fall. For winter blooming they should be cut back by removing the flowers shoots early in the fall and transplanted to pots and kept in a cool room.

VIENNA. Early flowering, extra double dwarf mixed.

Pkt., 10c; ¼ oz., 60c.

PERFECTUAI (Famous Chabaud type). Choicest mixture.

Pkt., 10c; ¼ oz., 75c.

PERFECTUAL (Very popular Marguerite type). Half dwarf mixed. Pkt., 10c; ½ oz., 60c.

PERFECTUAL (Marguerite). Pure white or Pure Pink.

Pkt., 10c; ½ oz., 75c.

Celosia or Cockscomb (A)

STANDARD STRAIN. Extra fine mixed. Pkt., 10c; ¼ oz., 40c.

PLUMOSA. Feathered varieties mixed. Pkt., 5c; ½ oz., 15c.

EMPRESS. Dark-leaved, bright crimson. Pkt., 10c; ¼ oz., $1.25.

GLASGOW PRIZE. Pkt., 10c; ¼ oz., $1.70.

CHILDISH. (Chinese Woolflower). Pkt., 10c.
Coleon (P—Tender)

An attractive foliage plant for ornamental bedding. Finest hybrid mixture. Pkt., 25c; ¼ oz., $2.50.

Cosmos (A)

One of the most satisfactory hardy annuals, flowering in late summer. Can be sown anywhere and easily grown. Grow 4 to 6 feet high. Mammoth large flowered. Mixed and early flowering. Pkt., 5c and 10c; ¼ oz., 25c. New double-crimson mix, Pkt., 10c; ¼ oz., 50c.

Dahlias (P—Half Hardy) Roots, see page 47.

Seed should be planted very early indoors and the plants transplanted in May or June. Most of the plants will bloom the same year. The roots should be dug before freezing weather and stored in sand in a cool place.

GIANT FLOWERED. Choice mixed. Pkt., 25c; ¼ oz., $2.00.

EXTRA DOUBLE. Large flowered, choice mixed. Pkt., 10c; ¼ oz., 75c.

CACTUS HYBRIDS. Extra double mixed. Pkt., 25c; ½ oz., $2.50.

Datura (A)

Large branching plants producing very large handsome, double or single, trumpet-shaped blossoms of exquisite fragrance. Excellent for late summer and autumn flowering. Mixed colors. Pkt., 10c; ¼ oz., 25c.

Delphinium or Hardy Larkspur (P)

Splendid border perennial of vigorous growth, strikingly effective as a background for borders and for planting among shrubbery. The blooming season is very long and the beautiful irregular flowers are clustered on long spikes 3 to 5 feet high. Double and semi-double varieties mixed. Pkt., 10c; ¼ oz., 15c.

Dianthus or Pinks (B)

These very beautiful and popular biennials flower freely the first year from seed, and in most locations they are quite hardy and produce larger flowers the second year.

CHINENSIS. Extra double flowered in chloest mixture. Pkt., 5c; ¼ oz., 50c.

HEDDEWIGH. Fringed single, very large flowers. Pkt., 5c; ¼ oz., 50c.

HEIDENHAIN PLEEMANN. Double and semi-double mixed. Pkt., 10c; ¼ oz., 75c.

FLORIST'S PERPETUAL. Large clusters, fragrant, very useful for cutting flowers. Double mixed. Pkt., 10c; ¼ oz., 30c.

Digitalis or Foxglove (P)

Handsome and highly ornamental hardy perennial plant of stately growth, very effective among shrubbery, thriving best in half-shady places. Three feet high. Finest mixed. Pkt., 10c; ¼ oz., 25c.

Chrysanthemum—Bridal Robe.

Centaura (A)

CENTAUREA CYANUS or BACHELOR'S BUTTON or CORN FLOWER. Charming old-fashioned flowers, requiring little or no care and flowering within eight weeks from planting of seed. Free and uninterrupted in its flowering habit, reseeding itself year after year. Useful as a cut flower as well as a garden decoration. Double blue or double mixed. Pkt., 5c and 10c; ¼ oz., 15c.

CENTAUREA GYMNOCARPA or DUSTY MILLER. One foot foliage, finely cut of silver gray color, used for bedding. Pkt., 10c; ¼ oz., 15c.

CENTAUREA MOSCHATA or SWEET SULTAN. Beautiful, sweet scented, artistic shaped flowers borne on long stems, when cut will last for several days. White. Pkt., 10c; ¼ oz., 25c.

Chrysanthemum (P and A)

The annual Chrysanthemums are free-blooming, easily grown plants, having large flowers in a variety of brilliant colors, fine for cutting.

CARINATUM. The Sultan. Double, brilliant scarlet. Pkt., 5c and 10c; ¼ oz., 25c; oz., 75c.

Perennial Chrysanthemums are grown chiefly from divisions of roots of the Japanese varieties and cultivated by florists for late fall and winter cut flowers. The following perennials however, can be very satisfactorily grown from seed, producing beautiful white, double flowers in abundance.

INODORUM PLENISIUM. Double white. Pkt., 10c; ¼ oz., 25c.

BRIDAL ROBE. Extra double. Pkt., 10c; ¼ oz., 50c.

Cineraria (P—Greenhouse)

Among the most ornamental plants that can be grown for indoor or conservatory decoration, producing large heads of brilliant flowers in all shades of blue, purple and red. One of the most beautiful potted plants.

HYBRIDA. Extra large flowered, first quality mixture. Pkt., 5c; ¼ oz., 87c.

MARITIMA. Entirely different from the popular Cineraria, being most useful for bedding. Silver-leaved; also called Dusty Miller. Pkt., 5c; ¼ oz., 15c.

Clarkia (A)

Very pretty, profuse flowering annuals, much used for edging. They grow from nine to eighteen inches high, producing mostly red or white flowers. Useful for hanging baskets. Pkt., 5c; ¼ oz., 15c.

Clematis. See page 43.
Gaillardia Grandiflora (P)
A very showy flower easily raised from seed. Should be sown early in spring. Very beautiful in beds and borders and very useful for cutting. Extra fine mixed. Pkt., 10c; ½ oz., 50c.

Globe Amaranth - Gomphrena (A)
Similar in type to Bachelor's Button but having flowers of perfect globe shape. Mixed colors. Pkt., 5c; ½ oz., 15c.

Helichrysum - Everlasting Flower (A)
Also called Immortelles and Strawflowers. The Helichrysum is the most beautiful of all the everlasting flowers. The plants grow from two to three feet high and are literally covered with fine, large, double flowers in a variety of brilliant colors. The blooms should be cut as soon as they are open, tied in small bunches and dried slowly in the dark, cool place, hanging the flowers downward to keep the stems straight.

Hesperis Matronalis - Sweet Rocket (P)
Old-fashioned garden plants growing 2 to 3 ft. high, bearing spikes of white or purple flowers. Excellent for planting in a border or among shrubbery. Pkt., 5c; ½ oz., 15c; oz., 45c.

Hollyhock (P)
Tall old-fashioned garden perennial of great beauty, very useful as a background to a flower garden. The large, richly colored blossoms are crowded around the strong flowering stalks. Seed planted in open ground in June or July will furnish blooms the following summer.

Kochia - Summer Cypress (A)
Quick growing hedge plant about two and one-half feet high. Very symmetrical and attractive, the bushes take on a distinctive red tinge late in the summer; for this reason often called Mexican Fire Bush. Pkt., 5c; oz., 15c.

Larkspur (A)
One of the best known of garden flowers and if planted in April will produce flowering plants by the first of July and continue to bloom until frost.

Lantana (P-Half Hardy)
One of the most desirable greenhouse or bedding plants, constantly in bloom, somewhat resembling Verbenas; 2 to 3 feet. Mixed colors. Pkt., 5c; oz., 15c.

Lobelia (P)
ERINUS COM-PACTA. This charming variety forms compact bushes about 6 inches high and are covered with bloom throughout the season. Highly desirable for edging and for pot decoration as well as for pot culture. They flower the first season from seed. Pkt., 10c; ½ oz., 15c.

Lupinus (A)
Free-flowering, easily grown annuals with long graceful spikes of richly colored, pea-shaped flowers. Prefers a little shade. 2 feet high.

Lycnis (P)
Handsome hardy perennial plants of easy culture, for massing in beds and borders; blooming the first year if sown early. Very popular by reason of their beauty and ease of culture. Called Mallow, Mallow Cross, Lamp Flower and Burning Star. 1 foot high.

VISCARIA SPLENDENS (Bagged Blond). Bright rose-red, very showy. Pkt., 5c; ½ oz., 15c.
Marigold (A)
The African and French Marigolds are old favorite free-flowering annuals of easy culture, extremely effective and well adapted for large beds. The variety in a light soil fully exposed to the sun. The flowers of the French type are smaller than the African but are marked and spotted with varied shades of red and orange. The African are very large, double and in solid colors.


Marvel of Peru - Four O'Clock (A)
Large showy fragrant flowers, blooming the entire season. Succeed well in any ordinary garden soil in a sunny location. Mixed. Pkt., 5¢;

Mesembryanthemum (A)

CRISTALLINUM or ICE PLANT. Dwarf trailing annual plants. Flowers white, prized for its distinctive icy foliage. Pkt., 5¢; ¼ oz., 10¢.

Mignonette (A)
Well known fragrant bedding or potting plant. Sowings made in April and again in July will result in a succession of bloom from early summer until frost.

STANDARD. Large flowering, sweet scented. Pkt., 5¢; ¼ oz., 15¢.

MACHET GIANT. Large spikes, very fragrant. Pkt., 10¢; ¼ oz., 15¢.

Mimulus (P—Half Hardy)
Showy, profuse flowering plants, fine for greenhouse or moist shady situations, blooming the first year from seed if sown early in 1 foot deep. Often used for hanging baskets or window boxes.

MOSCHATUS, or MUSK PLANT. Fragrant foliage. Seed extremely small. Pkt., 10¢; ¼ oz., 35¢.

Myosotis
Forget-Me-Not (P)
These dainty and greatly admired spring flowers are especially effective when grown in masses. They are hardy if given slight protection through the winter.

ALPESTRIS. Blue; 9 inches; flowering in April. Pkt., 10¢; ¼ oz., 40¢.

BAILNTIRIS. Blue, everblooming; flowers from May until frost. Pkt., 10¢; ¼ oz., 75¢.

Nasturtium (A)

TOM THUMB. The very popular dwarf or bedding variety, producing very showy large flowers. Our mixture contains all the newest hybrids as well as the distinct old varieties. all in proportion to assure a marvelous display of colors ranging from cream-white to the very darkest red. Pkt., 3¢; oz., 10¢; ¼ lb., 30¢; lb., 75¢.

SPENCER. Choice mixed, very brilliant, in all shades of yellow, red and purple. Pkt., 3¢; oz., 10¢; ¼ lb., 30¢; lb., 81¢.25.

Pinto Tall or Climbing Nasturtiums see Vines.

LACINIATUM. Dark leaved, very showy, mixed. Pkt., 5¢; oz., 10¢; ½ lb., 25¢; lb., 50¢.

Nicotiana (A)

AFFINIS. Gives a continuous display of flowers through the summer and autumn; plant 2 to 3 feet high. The blooms are white, sweet scented and measure 3 inches in diameter. Pkt., 5¢; ¼ oz., 10¢.

Nigella or Love-In-a-Mist (A)
Free-flowering plant, 1 foot high, producing curious flowers surrounded by the finely cut foliage. Easily grown; useful for cutting.

DOUBLE BLUE. Pkt., 5¢; ¼ oz., 10¢.
Petunias (A)

Very popular because of their free-flowering habit and ease of culture; succeeding in almost any soil and giving a mass of blooms from June until frost. Beautiful in beds and borders, growing 1 to 1\(\frac{1}{2}\) feet high. Our mixtures contain the best colors obtainable and are of the highest quality.

HYBRID Choice mixture, first quality. Pkt. 10c; 1/4 oz., 35c.
HOWARD’S STAR Finest striped colors. Pkt. 10c; 1/4 oz., 75c.
NANA COMPACTA Of dwarf habit, excellent for bedding. Pkt. 10c; 1/4 oz., $1.00.

Phlox (A and P)

Phlox makes a magnificent show in beds and masses where their brilliant and varied colors produce a gorgeous effect. Very easily raised and afford a bright display of flowers all through the summer.

DRUMMONDI Choice mixture, first quality. Pkt. 10c; 1/4 oz., 35c.
STAR PHLOX (Cuppsilata). With star-shaped flowers, dwarf growth. Pkt. 10c; 1/4 oz., 75c.
FIMBRIATA Fringed flowers of beautiful form and color. Pkt. 10c; 1/4 oz., 75c.

LARGE FLOWERING DWARF VARIETIES

DEFIANCE Deep scarlet, very compact, free-flowering. Pkt. 10c; 1/4 oz., $1.50.
DWARF MIXED Selected colors, compact habit of growth, very effective in beds or borders. Pkt. 10c; 1/4 oz., $1.00.

HARDY PERENNIAL PHLOX

DECUSATA Quite distinct from the above-mentioned annual varieties, being very hardy and producing large heads of beautifully colored flowers, blooming in August and September. Pkt. 10c; 1/4 oz., $1.50.

Poppies (A and P)

Annual poppies should be planted as early in the spring as possible in their permanent places as they will not stand transplanting. The Perennial or Oriental varieties should be sown thinly in the spring and the plants transplanted in September. They are extremely hardy and when once established will remain for years, producing immense single flowers 4 inches in diameter.

TULIP POPPY One of the most brilliant annuals, the flowers are 3 inches in diameter and of a brilliant scarlet color, greatly resembling tulips. Pkt. 10c; 1/4 oz., 25c.
THE SHIRLEY Special strain mixed; fine for bedding or cutting; single annual. Pkt. 5c; 1/2 oz., 10c.
CARNATION FLOWEED Splendid double fringed flowers; annual, Pkt. 5c; 1/2 oz., 15c.
PEONY FLOWEERED Tall growing annual, very double; mixed colors. Pkt. 5c; oz., 15c.

HARDY PERENNIAL ORIENTALE Poppies

Oriental Poppies. Hardy annuals; of all the very best Oriental Varieties. Pkt. 10c; 1/4 oz., 50c.

Portulaca (A)

Very showy annual, easily grown, and very effective when massed in beds or edgings. A profusion of brilliantly colored flowers are produced throughout the summer. They thrive best in rather rich soil in a sunny situation.

LARGE FLOWERING EXTRA DOUBLE MIXED. Pkt. 10c; 1/4 oz., $1.00.
LARGE FLOWERING SINGLE MIXED. All colors. Pkt. 5c; 1/4 oz., 20c.

Primrose

VULGARIS Old English garden favorite, beautiful shade of yellow. Pkt. 10c; 1/4 oz., $1.00.
AURICULA Finest mixed, all colors. Pkt. 10c; 1/4 oz., 15c.
COWSLIP OR GENTRICHIA. Evening Primrose; free-flowering plants of easy cultivation, producing an abundance of brilliantly colored single flowers, which open on approach of twilight. Pkt. 10c; oz., 25c.

Pyrethrum (P)

Hardy extra double and semi-double mixed. Ranging in color from white to deep red, with yellow centers, blooming in May and June again in the fall. The flowers are very effective and somewhat similar to the Daisy or Cosmos. Pkt. 10c; 1/4 oz., $1.00.

Sensitive Plant - Mimosa (A)

Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. Pkt. 5c; 1/4 oz., 15c.

Ricinus - Castor Oil Bean (A)

Ornamental plants of strong, stately growth, the foliage having the appearance of a tropical plant, very effective when planted in masses or as centers of Canna or Dahlia beds. Mixed. Pkt. 5c; oz., 35c.

Salvia Splendens or Scarlet Sage (A)

Very popular bedding plant, extensively used for lawns and conservatory decoration, bearing long spikes of brilliant flowers from July to frost. It is preferable to start the plants indoors very early in the spring and transplant to the beds when the weather has become warm and settled; also planted in the open ground in May with very favorable results. Pkt. 10c; 1/4 oz., 50c.

SANDDRAGON

See Antirrhinum page 34.

Sweet Rocket

See Hesperis.

Stocks - Ten Weeks (A)

One of the most popular annuals, either for potting or bedding. For brilliance and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

DWARF GERMAN DOUBLE MIXED. Pkt. 10c; 1/4 oz., $1.00.

Scabiosa or Mourning Bride (A)

Fine free-flowering plants for mixed borders and highly esteemed for cut flowers. The blooms are borne on long erect stems in globular heads in colors ranging from white to dark maroon. Height 2 to 2\(\frac{1}{2}\) ft. Pkt. 10c; 1/4 oz., 40c.
Sweet Peas

THE GRANDIFLORA type, owing to its vigor of growth, its freedom of blooming and extremely wide range of colors is well suited for most conditions and locations.

THE SPENCERS are of exceptionally large size, the petals waved and frilled and the general effect remarkably graceful and effective. The plants are of vigorous growth and remain in bloom for a longer time than the Grandiflora sorts.

CULTURE. Early in the spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it and plant the seed in the bottom, covering at first only one inch deep. When the plants are two inches high, cultivate; and as they grow, gradually fill high they should be supported by poultry netting, strings or brush. Water should be applied thoroughly once or twice a week early in the morning or in the evening. The plants will soon stop flowering. The following have been the highest quality in their respective classes.

GRANDIFLORA VARIETIES.

WHITE.

DOROTHY ECKFORD. Considered the best white of this class, of good substance, shell-shaped and pure white.

PINK.

PRIMA DONNA. The most popular clear soft pink, producing flowers of good size.

PRIMROSE.

HON. MRS. E. KENYON. Clear primrose, large semi-hooded flower, white seeded.

ORANGE PINK.

MISS WILLMOTT. A fine orange pink, showing veins of deeper tint. Flowers semi-hooded, good size, on long stems, plant very vigorous.

RED.

AMERICA. Carmine striped and splashed on white, producing large flowers of open form.

KING EDWARD VII. A bright crimson scarlet or pure red of largest grandiflora size; open form.

DEEP MAROON.

BLACK KNIGHT. A glossy deep maroon, producing medium sized flowers of open form.

OTHELLO. A very dark maroon with almost black veining. Large size, hooded form, very attractive.

BLUE.

FLORA NORTON. The flowers are of medium size, hooded form and a beautiful light clear blue in color.

HELEN PIERCE. Finely mottled light blue and white with ivory-white veins, semi-hooded form.

DEEP PURPLE.

MRS. WALTER WRIGHT. A large rosy purple, shell-shaped, self colored, beautiful in form and color.

LAVENDER.

LADY GRISEL HAMILTON. A large soft lavender, tinted mauve; one of the best.

Prices: Pkt., 5c and 10c; oz., 15c; ¼ lb. 40c; lb., $1.25.

SPENCER VARIETIES.

WHITE.

WHITE SPENCER. Standard and wings of pure white, beautifully waved and frilled. An especially attractive variety of very large size; seed white.

PINK.

COUNTRESS SPENCER. Bright clear pink, sometimes darker near the edges; very large open form; long stems. The first varieties of the Spencer type introduced and still considered one of the best.

PRINCESS VICTORIA. A beautiful shade of deep blush pink, possessing wonderful flowering qualities.

ORANGE AND SALMON PINK.

HELEN LEWIS. Re-selected. A rich crimson-orange, with wings of orange, rose, or orange-salmon-pink. Large fine Spencer form.

CREAM.

MARGARET ATLEE. Most beautiful deep cream pink, perfectly suffused with a rich glowing pink. The flowers are of largest size, beautifully frilled or waved; many are double.

DOBBIE’S CREME. A strong growing, profuse blooming variety, with large, much waved flowers, often double.

RED.

KING EDWARD SPENCER. Brilliant crimson-scarlet; very large size and of open form.

THOMAS STEVENSON. Bright orange-scarlet, of large size, the standard showing more orange than the wings. Vigorous and free flowering.

DEEP MAROON.

OTHELLO SPENCER. The most reliable Spencer maroon, of a beautiful, deep shade and very large.

BLUE.

FLORA NORTON SPENCER. Bright blue, with a tint of purple.

WEDGWOOD. Bright silvery blue. Large well waved flowers on long stems. An attractive and very desirable shade.

PURPLE.

ROYAL PURPLE. Rich Royal purple; the best purple yet introduced; vigorous growth.

LAVENDER.

ASTA OHN. Large, wavy and of true Spencer form and size. Suffused lavender and tinted sometimes with pink.

MASTERCHEESE. Lavender tinted mauve; the large wavy blooms are not surpassed in beauty.

Prices: Pkt., 10c; oz., 40c; ¼ lb., $1.00; lb., $3.00.

Sweet Pea Mixtures

Our Sweet Pea Mixtures are combined of carefully considered proportions of all the named varieties in our list, which have proven themselves to be the very choicest of their respective types and colors. These mixtures cannot be equaled in their beauty and flowering qualities.

MANN’S GRANDIFLORA SUPERIOR MIXTURE. Pkt., 5c and 10c; oz., 15c; ¼ lb., 40c; lb., $1.00.

MANN’S SUPERB SPENCER MIXTURE. Pkt., 10c; oz., 40c; ¼ lb., $1.00; lb., $3.00.
Sweet William - Dianthus Barbatus (P)

A universally admired perennial flower, which, when once started, will last for years. Free-flowering and attractive, producing a splendid effect in beds and borders. It is preferable to sow the seed very early in the spring every year and have vigorous young plants coming into bloom the same season. Very satisfactory results are also obtained by dividing the roots of old plants. SINGLE MIXED. All shades of pink, white, and red. Pkt., 10c; oz., 75c.

DOUBLE MIXED. Very fine; 2½ oz., 90c.

Verbena (A)

One of the finest bedding plants and also suitable for borders, with its heads of brilliantly colored flowers, producing one mass of bloom throughout the summer. Seeds may be planted as soon as the ground can be worked or earlier indoors and transplanted to the beds in April or May. They succeed in almost any good garden soil.

DEFIANCE. Deep scarlet, large attractive blooms. Pkt., 10c; ½ oz., 15c.

HYBRID MIXED. Extra-large flowered, brilliant colors and vigorous. Pkt., 5c and 10c; ½ oz., 25c.

HYBRID COMPACTA MIXED. Very compact and erect in its habit of growth; excellent border variety. Pkt., 10c; ½ oz., 60c.

VIOLAS OR Tufted Pansies (P)

Well known, free-flowering hardy perennials, easily grown from seed. While the flowers are not so large as the regular type of Pansies, the blooms are produced in such an abundance and the flowering season so much longer that they are superior to pansies for some purposes. Seed sown in April produces flowering plants by June and from then on until frost they are a sheet of bloom.

PURPLE QUEEN. Clear distinct blue. Pkt., 10c; ¼ oz., 75c.

Violet - Odorata (P)

This beautiful, sweet-scented hardy perennial can be easily grown from seed, thriving best in a partially shaded, moist situation. Pkt., 10c; ½ oz., $2.25.

Zinnias - Double (A)

We have given particular attention to these annuals, developing them into perfection unsurpassed.

GIANT WHITE. Pkt., 10c; oz., 50c.

GIANT BUTTERCUP. Pkt., 10c; oz., 50c.

Dahlia Flowered Mixed. Pkt., 65c.

CURLED AND CRESTED. Pkt., 10c; oz., 50c.

CLIMBERS

BAVOLINE VINE (Cardiopeum). Very graceful, rapid grower, producing inconspicuous flowers, foliage light green. Pkt., 5c; oz., 50c.

BALSAW. Beautiful foliage with apple or pear-shaped fruits of a rich golden yellow color. Pkt., 5c; ¼ oz., 15c.

CANYON BIRD FLOWER (Nasturtium peregrinum). A most beautiful climber of rapid growth with handsome fringed, rich yellow flowers and fine delicate foliage. Pkt., 5c; ½ oz., 15c.

COBEA SCANDENS. Of rapid growth, with fine foliage and large bell-shaped flowers of a beautiful violet blue color. Pkt., 5c; ¼ oz., 30c.

WILD CUCUMBER VINE (Echinocystis lobata). A quick-growing and attractive climber, will grow 10 feet in six weeks, the large foliage affording plenty of shade. Covered during the summer and fall with sprays of small white flowers. Pkt., 5c; ¼ oz., 15c.

CYPRUS VINE (Ipomea quamoclit). Beautiful and very popular, slender vine, with fern-like foliage and a mass of small star-shaped flowers. Mixed colors. Pkt., 5c; ¼ oz., 15c.

CUT FLOWER (Ipomea purpurea). This splendid and very popular climber needs no introduction. Our Giant Japanese Imperial Mixture is unsurpassed. Pkt., 5c; ¼ oz., 30c.

PASSION FLOWER (Passiflora). A most interesting and well known climber, bearing singularly beautiful flowers. Pkt., 10c; ½ oz., 50c.

SIMAX (Medeola). This popular Boston Simaxia is a most desirable window vine, on account of its charming, glossy green, graceful foliage covered with sprays of orange yellow for greenhouse or conservatory. Pkt., 15c.

THUNBERGIA (Black-eyed Susan). Free-flowering and of rapid growth. May be trained on a slender trellis or allowed to run freely over the ground to cover bare spaces. Pkt., 10c; ¼ oz., 40c.

CLIMBING NASTERTUM. Flowering vine, and foliage similar to dwarf Nasturtiums; the growth, however, being much more vigorous, 6 to 12 ft. They may be used for porches or urns or left to run freely over the ground. Cheslet Mixture. Pkt., 5c; oz., ½ lb., 30c; lb., 75c.

SCARLET RUNNER. Of very rapid growth, producing clusters of showy bright scarlet pea-shaped blossoms, followed by edible beans of very fine quality. Pkt., 5c; ½ lb., 50c.

Passion Flower.
Bulbs and Roots for Spring Planting

New Giant Orchid Flowered Cannas

CITY OF PORTLAND. 3½ ft. pink. Flowers of largest size borne on heavy trusses. A glowing shade of pink. The foliage is substantial and strong. Of rich green color and free from defects. 10c each; $1.00 per doz.

MRS. ALFRED F. CONRAD. 4 feet. The grandest salmon pink in existence. Magnificent heads of perfectly formed flowers of great size and wonderful substance. 10c each; $1.00 per doz.

AUSTRIA. 4½ feet. Pure canary yellow with crimson spots in the center of the two inside petals. 5c each; 50c per doz.

FLORENCE VAUGHAN. 4 feet. Flowers of golden yellow, thickly dotted crimson. 5c each; 50c per doz.

GOLDEN GATE. 4 feet. The flowers open almost pure gold but soon become richly rayed with orange crimson and apricot centering to the throat. 5c each; 50c per doz.

YELLOW KING HUMBERT. 4 feet. Like King Humbert in habit of growth and flowering, and produces golden yellow flowers, blotched red. 5c each; 50c per doz.

MADAM CROZY. 3½ feet. Flowers brilliant vermilion scarlet, with narrow edge of bright golden yellow. 5c each; 50c per doz.

EUREKA. 4 feet. The best white Canna for all purposes. The large substantial flowers are very freely produced on strong, vigorous plants. 5c each; 50c per doz.

CHAS. HENDERSON. 4 feet. Brilliant crimson scarlet with flame yellow throat. 5c each; 50c per doz.

THE PRESIDENT. 4 feet. This canna is superior to any other red variety in the quality of bloom. Color rich flowing scarlet and immense firm flowers are produced on strong erect stalks well above the large, rich green foliage. The foliage is entirely free from disease. 10c each; $1.00 per doz.

KING HUMBERT. 4 feet. This is the grandest canna ever offered. The large heart-shaped leaves are purple brown over bronze. The plants are crowned with immense heads of orchidlike, velvety orange scarlet, rose-tinted, and margined at the base. A combination of leaf and blossom incomparably beautiful. 5c each; 50c per doz.

STARTED CANNAS.
Fresh daily in all leading varieties. 2 for 25c; $1.25 per doz.

Gladiolus

Large, Sound Bulbs, Sure to Bloom.

AMERICA. Beautiful soft flesh pink; one of the best for cutting or bedding. 50c per doz.; $4.00 per 100.

AUGUSTA. Pure white, with blue anthers, lovely and very useful. 7c each; 75c per doz.; $5.00 per 100.

BARON J. HULOT. Rich royal violet blue; full round flower. 12c each; $1.25 per doz.; $9.00 per 100.

CHICAGO WHITE. White, with lavender marking in throat. 7c each; 75c per doz.; $4.50 per 100.

HALLEY. Delicate salmon pink, very effective. 7c each; 75c per doz.; $4.50 per 100.

MRS. FRANCIS KING. Brilliant vermilion scarlet, very popular. 60c per doz.; $6.00 per 100.

NIAGARA. Delightful cream yellow, splashed with carmine. 7c each; 75c per doz.; $5.00 per 100.

PANAMA. Rich salmon pink, one of the best. 7c each; 75c per doz.; $4.50 per 100.

PEACE. Grand large white flower, with pale violet feathering on lower petals. 7c each; 75c per doz.; $4.50 per 100.

PINK BEAUTY. Fine dark rose, with violet blotch, very early. 7c each; 75c per doz.; $4.50 per 100.

FINEST MIXED.
Large size bulbs of all the leading varieties, selected to give the most harmonious color scheme of all the most desirable sorts. 50c per doz.; $3.50 per 100.

CALADIUM ESCULENTUM or ELEPHANT’S EAR.
These are very effective either as single plants on the lawn, in beds, or along the edges of a pond or stream. The leaves often attain a length of 36 inches. Bulbs can be kept over winter and used year after year by storing them in dry sand. Large bulbs, 3 to 4 inches in diameter. 15c each; $1.50 per doz. Add postage.

EXCELSIOR PEARL TUBEROSE.
One of the most fragrant and most popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after the first of May. Extra large size bulbs, 5c each; 50c per doz.; $3.50 per 100. Medium size, 50c per doz.; $2.25 per 100.

TUBEROUS ROOTED BEGONIA.
Excellent for bedding and well adapted to conservatory culture, thriving best in partial shade. Single or double mixed, 10c each; $1.00 per doz.

HARDY PHLOX.
These perennials are very useful and beautiful in borders and for cutting. They succeed in almost any soil enriched with manure and should be watered freely in dry weather. Strong roots, separate colors, 15c each; $1.75 per doz.

PEONY.
This old-fashioned flower is still considered the Queen of spring flowers. They are perfectly hardy, requiring no protection and once planted increase in beauty each year. All leading varieties, 2 to 5 eyes, 30c to 50c each. Send for list.
Dahlias

The following list includes the most popular named varieties of each type, in a wide range of colors. Every effort is made to supply our friends with those varieties which have proven to be of most value as garden and cut flower sorts.

Prices quoted are for large field grown dormant roots; or strong pot rooted plants, which many experienced growers prefer. We can usually fill the earliest orders with either roots or plants as preferred, but it often happens that all of our roots of certain varieties must be started early to take care of our plant trade. This leaves us with a shortage of roots while plants are still available.

Unless instructed to the contrary, we shall take the liberty to substitute plants instead of roots if necessary. Place your order for Dahlias early and avoid disappointment when the time for planting arrives.

FANCY CACTUS DAHLIAS.

This splendid type is considered by some to be the most beautiful of all. The colors are very distinctive and many are variegated in unsurpassed tints. The petals are long and pointed, some twisted.

COUNTESS OF LONSDALE. Rich salmon orange, suffused lavender. 20c each; $2.00 per doz.

STANDARD BEAVER. Rich fiery red. 15c each; $1.50 per doz.

GOLDEN GATE. Bright golden yellow; truly a colossal cactus; flowers often measure 9 inches in diameter, full to the center. A first class dahlia in every respect. 30c each; $3.00 per doz.

CRYSTAL. A tender silvery pink, shedding to ivory white in the center. Flowers large and fine in form, having long, twisted incurved petals. 29c each; $2.50 per doz.

KALIF. Pure scarlet, truly majestic. Colossal in size, often measuring 8 to 9 inches in diameter, perfect cactus form. 50c each; $5.00 per doz.

DECORATIVE DAHLIAS.

The decorative dahlia are an intermediate form between the cactus and show types, having petals which are broad and flat, and sometimes twisted and curved almost resembling chrysanthemums. Preferred by florists for use as cut flowers.

DELICE. Beautiful glowing rose pink, good stems. Fine for cutting. 20c each; $2.00 per doz.

DOROTHY PEACOCK. The best shell pink. 20c each; $2.00 per doz.

GOLDEN WEST. The most beautiful yellow, good stems. 25c each; $2.50 per doz.

HENRY PATRICK. Large pure white. 15c each; $1.50 per doz.

FRANK L. BASSETT. Bright rose purple. 15c each; $1.50 per doz.

OREGON BEAUTY. An intense oriental red, with golden sheen and garnet suffusion, producing large flowers on long stems. 20c each; $2.00 per doz.

PEONY-FLOWERED DAHLIAS.

The flowers of this type are semi-double, the petals being twisted and curled, somewhat resembling the semi-double peony.

MRS. CHAS. L. SEYBOLD. Distinct bright crimson pink, each petal tipped with white. Strikingly beautiful. 15c each; $1.50 per doz.

PRAIRIE FIRE. Rich scarlet. 20c each; $2.00 per doz.

QUEEN EMMA. Distinct rose. 15c each; $1.50 per doz.

QUEEN WILHELMINA. Fine pure white. 15c each; $1.50 per doz.

HONORABLE R. L. BORDEN. Large distinct rich golden bronze. One of the finest of recent introduction. 20c each; $2.00 per doz.

SHOW DAHLIAS.

This type produces large fine-shaped flowers with plain petals showing only solid colors or sometimes two or more shades of the same color. Usually very free-flowering.

A. D. LIVONI. Rich shell pink. 15c each; $1.50 per doz.

BLACK DIAMOND. Purple garnet, dark shading. 15c each; $1.50 per doz.

MARGUERITE BRUANT. Pure white, dwarf, free flowering. 15c each; $1.50 per doz.

QUEEN OF THE YELLOWS. Pure yellow, quilled petals. 15c each; $1.50 per doz.

ZEbra. Pearl white. Edged deep pink. 20c each; $2.00 per doz.

MIXED DAHLIA ROOTS.

This mixture is a combination of the most beautiful varieties of all types. If no particular type or color is especially desired, these roots will prove entirely satisfactory, each producing beautiful flowers of one of the popular varieties. 10c to 25c each, according to size.

DAHLIA SEED.

Very satisfactory results are obtained from seed planted early indoors and transplanted permanently in May or June. With proper care the plants will bloom the first year. (See page 36.)

Cinnamon Vine.

Hardy climber, small white flowers. Strong tubers. 10c each.

Madeira Vine.

Rapid growing climber. 8c each, 10c each.

Hardy Clematis.

One of the most beautiful hardy climbers; of strong rapid growth producing a profusion of deliciously fragrant flowers. 20c, 25c, and 30c each.
Miscellaneous Farm Seeds

Our fair dealing and conservative methods have resulted in an enormous increase in the volume of our field seed business and we are thoroughly convinced that high quality seed at reasonable price will make many more pleased customers during this year.

Our experience in this line and our equipment protect you from the many losses which must result from the planting of inferior seed, which is expensive at any price. All seeds offered must strictly conform to our high standards, and purchasers may depend upon our best efforts to supply only seed which is fresh, pure and free from weeds.

Continual market fluctuations make it impossible to quote firm prices; changes are made almost daily. We shall therefore appreciate the opportunity to mail samples and quote the very latest price on any quantity.

When comparing quotations, consider both purity and germination.

Clovers

**MEDIUM or COMMON RED.** (Trifolium pratense.) The Clover Seed of Commerce, and the most important and valuable of the Clover family for agricultural purposes. Sow 1 to 1½ bushels per acre. (Bushel $1.95 lb.) Per bu., $2.50.

**ALSIKE or HYBRID.** (Swedish.) (Trifolium hybridum.) Hardest of all Clovers; perennial. On rich, moist soils it yields large quantities of hay and pastureage, as if it formed a thick bottom; has fibrous roots like White Clover. Estimied highly by bee keepers. Lb., 30c.

**MAMMOTH CLOVER.** (Trifolium pratense perenne.) Valuable with other grasses for mixed hay; ripens with Trifolium pratense. At once ranks as the largest used for WHITE DUTCH. (Trifolium repens.) Grows naturally in pastures in a great variety of soils and situations; indispensable in parks and lawns. Lb., 65c. Ploving under as a fertilizer. Lb., 25c.

**CRIMSON CLOVER.** (Trifolium incarnatum.) Being an annual, it must be sown in July, August, and September of each year, which, the spring following, can be cut for seed by April 20th; for ensilage, May 1st to 15th; for seed, about first week of June. Can be grown in corn, or any cultivated crop. Ten to fifteen pounds necessary to seed an acre. Cover with a light harrow. (60 lbs.) $1.75.

**ALFALFA or LUCERNE.** (Medicago sativa.) This Clover claims to bear the palm as a forage plant, coming earliest in spring and remaining latest in fall. It delights in plenty of sun, being a very child of the sun; must be sown at the rate of from 16 to 22 pounds of seed per acre on well drained, well pulverized soil after freezing is over, and prefers sand or gravel sub-soil. Wet sub-soil is fatal to the plant. Roots 3 to 4 feet deep, and when well established lasts for years. 2 to 5 crops a year can be cut. Not recommended for pasture. Lb., 22c; $2.25.

**BOKHARA.** (Melilotus albus.) This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer stems. The spikes usually 5 to 6 feet in height and branches freely, with slender spikes of small, fragrant, white flowers, which afford an excellent food for bees. (60 lbs.) $2.50.

**JAPAN CLOVER.** This makes most nutritious and desirable summer pasture. Grows well and spreads rapidly on poor lands, hillside and under the shade of trees. Lb., 50c; bushel of 25 lbs., $5.50.

Drought Resisting Grasses

**PERENNIAL RYE GRASS.** (Lolium perenne.) Very nutritious; valuable for meadows or permanent pastures; rapid grower; most prominent grass in England. Sow 1 to 1½ bushels per acre. (Bushel $2.49 lb.) Per bu., $2.50.

**MEADOW FESCUE.** (Festuca pratensis.) Thrives in all soil; excellent for permanent pastures; starts early; very productive. Sow 1 to 1½ bushels per acre.

**SHEEP’S FESCUE.** (Festuca ovina.) Grows naturally on light, dry, sandy soils and mountain pastures; considered quite valuable with other grasses for permanent early spring pasture. (about 12 lbs.)

**HARD FESCUE.** (Festuca duriuscula.) Not very productive, but is of some use in fine quality in dry situations where many other grasses would fail, thus making a desirable pasture variety. Per lb. 50c.

**MILLETS.**

**GERMAN or GOLDEN MILLET.** True Southern grown German Millet Seed is far superior to Western grown seed. Peck, 50c; bu., $2.25.

**HUNGARIAN GRASS.** A very valuable forage plant of the Millet family, but not so coarse. Two to three weeks earlier than German Millet. Peck, 75c; bu., $2.50.

Grass Seeds

**KENTUCKY BLUE GRASS.** June Grass. (Poa pratensis.) Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 2 or 3 bushels per acre. Fancy clean seed. (Bushel 14 lbs.) Bushel, $5.00.

**RED TOP GRASS.** (Agrostis vulgaris.) Thrives well in any soil, but best on low land; produces a firm sod. Sow 1 to 2 bushels per acre. Lb., 25c.

**ORCHARD GRASS.** (Dactylis glomerata.) Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly; furnishes an abundance of pasture the entire season. 1½ to 2 bushels per acre. (Bushel 14 lbs.) Bushel, $2.75.

**RHODE ISLAND BENT GRASS.** (Agrostis canina.) Valuable for lawns. Sow 3 to 4 bushels per acre for lawn. 1½ to 3 bushels for pasture. (Bushel 12 lbs.) Lb., 90c.

**TALL MEADOW OAT GRASS.** (Avena elata.) Used for soils. Succeeds well in sandy lands, and owing to its long, fibrous roots, stands cold and drought well. Sow 3 bushels per acre. (Bushel 10 lbs.)

**SWEET VERNAL.** (Anthoxanthum odoratum.) Very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in the spring and grows until late in the fall. (Bushel 10 lbs.)

**CREEPING BENT GRASS.** (Agrostis stolonifera.) Excellent for pasture when mixed with other grasses; succeeds well in most situations and thrives in moist land. Sow 40 pounds per acre. (Bushel 14 lbs.)

**WOOD MEADOW GRASS.** (Poa nemoralis.) Recommended especially for low, wet pasture, or for lawns in damp, wet situations. It starts early in the spring and produces a beautiful green turf, which lasts a long time. (Bushel of 14 lbs.) Per lb., $1.25. 
Sudan Grass

Sudan, the greatest forage crop, should be grown on every farm, where either hay or pasture is desired. It is highly resistant to drought and stands very heavy grazing. Yields from 2 to 10 tons per acre, is superior to either Millet or Sorghum in feeding quality, and may be fed in unlimited quantities.

Sow 10 to 20 lbs. per acre, 1 to 1½ inches deep, the highest quality hay resulting from heavy seeding. Should be harvested just before the heads appear. In the same manner as other grasses. Cures quickly and matures as early as Millet, the first cutting being ready in about 6 to 8 weeks. Successive cuttings may be made every 30 to 45 days until frost. Highly recommended by the Government as being very nutritious and easily digestible. Being an annual, this must be seeded every year and therefore never becomes a pest. $16.00 per 100 lbs. Subject to change.

Kaffir Corn

The heads are greedily eaten by horses and cattle and make splendid food for poultry. Fed either in the grain or ground and cooked. Excellent forage. Cultivate same as common corn, requiring four or five pounds per acre. 100 lbs., $3.50.

Dwarf Essex Rape

This plant is extensively grown for forage, especially for sheep, and for green manure. Prepare the ground as for turnips and sow in June or July in rows two and a half feet apart at the rate of two and a half pounds of seed per acre. Lb., 10¢; 100 lbs., $3.50.

Sorghum or Cane

EARLY AMBER SORGHUM. Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten or twelve feet high. Sow at the rate of one peck per acre in drills three and a half to four feet apart. Peck, 90¢; bu., $2.25.

EARLY ORANGE SORGHUM. This variety is similar in growth to Early Amber, but under fair conditions produces a heavier crop. It is better for stock feeding than the Amber. Per bushel, $2.50.

Buckwheat

JAPANESE. This variety yields very largely. The kernels are larger than other sorts, but owing to its branching qualities it need not be sown so thickly. Peck, 60¢; bushel, about $2.25.

SILVER HULL. A superior variety in every way to the ordinary Buckwheat, which it has almost entirely superseded. Peck, 60¢; bushel, about $2.25.

Oats

WHITE SPRING OATS. Our best reclaimed stock of these are Choice Northern grown, all heavy oats, which have been reclaimed by us. Bushel, 85c.

RUST-PROOF OATS. A favorite spring variety in the South, particularly where the land is rich; produces enormous yield, and excellent for cutting for hay. Bushel, 85c.

Cow Peas

There is no surer or cheaper means of improving and increasing the productiveness of our soils than by sowing the Cow Peas. It has the power to extract easily nitrogen from the atmosphere and to store the same in the vines and roots, so that the land is enriched and its condition improved. From five to nine tons of green fodder per acre have been produced. For ensilage they are unsurpassed. When it is desired to turn the whole crop under, as a soil improver, it is better to do so after the vines are partly dead. Cow Peas can be sown in May or June, at the rate of one and a half bushels per acre.

BLACK. Quick to mature, adapted for late planting in Northern sections; vigorous grower and great yields. Write for latest price.

BLACK EYE. A prolific vine-growing variety of merit, seed often sold for table use. Write for price.

WHIPPOORWILL. A favorite early bunch-growing variety. A prime favorite in the North and West on account of its early maturity and habit of growth. Price fluctuates.

Canada Field Peas

Sown in open weather during December, January, February and March, making large yields of most nutritious food, which can be used either green or cured for hay. It also makes a good green manuring crop to turn under, but not equal to Cow Peas. A light seeding of oats, rye or barley will increase the yield and help to support the vines when the crop comes to maturity. Ready for cutting in May and June, cures easily and makes splendid hay. Write for price.

Soy or Soja Beans

A Great Drought-Resisting Forage Crop, Producing Immense Quantities of Nutritious Food, Beside Being an Excellent Soil Improver.

The Soy Bean is coming right to the front as a great soil enricher, as a food for hogs or cattle, both in the green and dry state. To plow under in the green state it is certainly one of the very best plants, next to Cow Peas. Subject to market fluctuations.

Sand or Winter Vetch

Sometimes called Hairy Vetch. The most valuable of all Vetches. It succeeds on nearly all soils and is especially recommended for poor lands, where it thrives and improves the soil wonderfully, as it is very rich in nitrogen. It belongs to the pea family, but the vines are more leafy and longer. It may be sown in the spring or in the fall, preferably with rye. It remains green all winter and is valuable for early pasturing, as well as a fertilizer. 60 pounds per acre. Per 100 lbs., $26.00.
Manns' Evergreen Lawn Grass

Sow 1 pound to 200 square feet, 10 to 60 pounds per acre. Our "Evergreen" Lawn Grass is a carefully proportioned mixture of the very best varieties of grasses blended according to a formula which has resulted from many years of study and experience.

Every variety included has its special duty to perform in the quick production and steady maintenance of a beautiful and permanent lawn. Soil and climatic conditions are provided for by including each of the grasses which flourish during the various seasons. There are those which develop to perfection very early in the spring, some especially suited for resisting the heat of the summer while others grow best during the fall and early winter. We have also included those types which produce strong, fibrous root systems holding the purifying moisture, preventing the soil from washing and holding the moisture, thereby assuring the other varieties. Others because of their creeping nature quickly fill up the bare spots which may be caused by the taller sorts dying down; some particularly useful for their beautiful, velvety appearance, some for drought resisting qualities and others for ability to withstand very wet seasons. Both imported and domestic grasses are procured from growers best equipped to produce the respective sorts in their highest quality most economically. We do not purchase an ounce of ready mixed lawn seed and therefore we positively know our customers are getting "Evergreen" Lawn Grass mixed according to our own formula. By this method of purchasing, we also find it possible to supply the highest quality seed at the lowest possible prices.

In offering this mixture, we realize that the customer does not merely purchase a bag of seeds, but also makes an investment of time and money for the establishment of a permanent lawn with which to beautify his property. We therefore do not grade our mixture down to a price, but carefully follow our formula and our knowledge of the markets and experienced purchasing methods take care of the prices.

As with all J. Manns & Co. seeds, our "Evergreen" Lawn Grass Seed is superior in quality and moderately priced. Lb., 40c; 100 lbs., $35.00, f.o.b. Baltimore.

Manns' Shady Place Lawn Grass

This mixture contains only those grasses which are best adapted for growing under trees and in shaded spots. It quickly produces an abundant and even growth of beautiful grass, harmonizing in color and general appearance with our regular "Evergreen." Lb., 40c; 100 lbs., $35.00, f.o.b. Baltimore.

Field Corn

Iowa Gold Mine With the expert farmer Gold Mine is known as medium-early, between the 110 day and the extra early sorts that mature in 85 days. It is a great producer and pure cropper. Ears are medium, symmetrical. Cob, bright yellow, gallon yellow. The grain is deep and the cob is small. Pk., 75c; bu., $2.50.

Improved Maryland Yellow Dent A cross with the earliest Dent, Maryland Yellow Dent, both well known varieties. Ears measure 12 to 15 inches in length with 14 to 18 rows of very dense purple ears. The strain has been entirely established and will mean larger and more profitable crops to the grower. Pk., 85c; bu., $2.00.

Boone County White Boone County is a very large and high yielding variety white corn, something like Silver King, but larger and later in maturing. Ears well filled out at both ends, cylindrical. 9 to 11 inches long, averaging 10 rows, some 14 to 15. Grain very deep, a little rough. Cob, white, of medium size. Sizes in 110 to 120 days. Pk., 85c; bu., $3.00.

Maryland White Dent An old standard variety and great favorite of everyone who has grown it. The stalks are of a strong growth, bearing from one to two large ears, which have 10 to 12 rows of very dense white cob. Grain is pure white and of fine quality. Pk., 85c; bu., $3.00.

Improved Hickory King Largest grains of any white variety. Matures early and very productive. Ears set low, are of large size, well filled. Grains deep and uniform. Pk., 85c; bu., $3.00.

Cuban Giant Ensilage Well known as the leading variety for the production of fodder. Pk., 85c; bu., $3.00.

INOCULATE YOUR ALFALFA, CLOVERS, COW PEAS, AND ALL OTHER LEGUME CROPS WITH MULFORD CULTURES

The U. S. Department of Agriculture strongly recommends the use of nitrogen-fixing bacteria to induce a prompt "catch" and increase the yield of legume crops. Mulford's Cultures are scientifically prepared and tested by experts. The first cost is very small but the returns large because crops are increased and the soil improved. 1/4-acre size, 75c; 1-acre size, $1.50; 5-acre size $5.00.

Always state variety of seed to be inoculated.
ANTIDOTE. A remedy against ants in lawns. In powder form applicable to 200 sq. ft. It is impossible to have a good lawn where ants are at work cutting off the roots of the grass. 1 lb., 10c; 5 lbs., $1.25; 25 lbs., $5.00.

GOOD'S NO. 1 FISH OIL SOAP. Keeps trees, plants and vines clean and healthy, effectively controlling such pests as scale, mealy bug, etc. Sold in powder form on 10 lb. scale. The effectiveness of nicotine soap is greatly increased by adding Fish Oil Soap as the spray is more penetrating, and is spread more thoroughly. Price, 1 lb., 25c; 5 lbs., 75c.

GRAPE DUST. A readily diffusible, light weight powder fungicide, very efficient in destroying mildews and preventing blights. 5 lbs., 60c.

FORMALDEHYDE. Extensively used in the preparation of potatoes for preventive against potato scab and to destroy other pests. It will also control some forms of grum smut. For potatoes a solution of 1 pt. to 15 or 20 gallons of water is made and the cut pieces are soaked for 2 hours. For two to ten gallons of this will be sufficient for 1 bushel of seed. Pt., 75c. 1 lb., $1.50; 25 lbs., $5.00.

HELEBBORE. Finely powdered remedy against rose slugs, tobacco worms and other leaf eating insects. Can be applied dry or sprayed. Per lb., 65c; ½ lb., 35c.

HE BO. A substitute for nicotine, being less highly concentrated and therefore satisfactory for mild cases. Excellent for leaf eating insects. ½ lb., 25c; 1 lb., 35c.

KAYLOX. A fine powered insecticide and fungicide, applied with water or dry. Excellent for fruit and vegetables, a certain remedy against some forms of fungus and all leaf eating insects. Not used for dormant spraying or sowing seeds. Serves as a tonic to vegetables, thereby prolonging the growing season. ½ lb., 30c; 1 lb., 55c; 5 lbs., $2.50; 10 lbs., $5.00; 25 lbs., $10.00; 100 lbs., $35.00.

LEMON OIL. Soluble in water; will destroy Aphids, Rust, Scale, and Bugs on Palm, Pears, Redwood, Kitchen, etc. Highly recommended as a wash for dogs and other animals destroying lice and relieving mange. ½ pt., 25c; 1 pt., 60c; 1 qt., $1.00.

LIME AND SULPHUR SOLUTION. The popular spray material for dormant spraying against scale and as a Summer spray against certain fungus diseases. 1 gal., 45c; 5 gal., $3.50; 10 gal., $5.00; ½ bbl., 21c per gal.; 1 bbl., 18c per gal.

MAGOTITE. Protects your crops against the ravages of the root maggot which infest cabbage, kale, cauliflower, radishes, turnips, etc. 1 lb., 35c; 4 lbs., 65c; 8 lbs., $1.00; 25 lb. sack, $2.50; 100 lbs., $5.00.

NICO-FUMIC. Very powerful tobacco extract. Soluble in water. Guaranteed 40% nicotine. 7½ lb. tin, 75c; 1 lb. tin, $2.25; 4 lbs., $8.00.

NIKOTEN. An economical and powerful nicotine extract. Effective remedy against aphids and fly insects. Half lb., $1.15; 1 lb., $2.60; 4 lbs., $7.60.

PURE PARA-DICHLOROBENZENE. For Flea Borer Control. Very powerful and effective remedy just coming into general use as a result of the experiments of the Department of Entomology. Should be applied Sept. 1st to Sept. 15th according to latitude. Some growers prefer to make two applications, the first being in the month of June. One pound is sufficient for 10 to 30 trees, according to size. It is not advisable to treat trees under 4 years of age with Para-Dichlorobenzene, and apple trees should never be treated. Price, 75c per lb.

PARIS GREEN. A poisonous, insoluble powder similar to arsenic in its effects; used extensively against plants, garden pests, etc. Half lb., 25c; 1 lb., 45c; 5 lbs., $2.00. Special price on larger quantities.

PYROX. Kills Insects—Prevents Fungus and Disease. 1 lb. Jars...$0.45 1 lb. Drum...$1.65 10 lb. Jars...3.00 10 lb. Drums...6.00 50 lb. Jars...11.00 50 lb. Drums...18.50

SULPHUR. (Flour). Extra fine; for dusting purposes. 1 lb. 10c; 10 lb. 75c; 25 lb. $2.25; 50 lb. $2.00; 100 lb. bag, $3.00.

TOBACCO DUST. Excellent insecticide and fertilizer combined, extensively used against, black and green aphids, fleas, beetles, etc. Finely powdered and high in nicotine content. Grade 1: 1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 50 lbs., $2.50; 100 lbs., $4.25; ton, $12.50. Grade 2: Per 100, $2.25; ton, $39.00.

TREE TANGLEFOOT. Applied directly to the bark of trees, protecting them from climbing insect pests. Easily applied and will remain sticky for three months, fully exposed to the weather. 1 lb. can, 50c; 5 lb. can, $2.25; 10 lb. can, $4.25.

WEEK KILLER. For killing weeds in walks, drives, and tennis courtyards. It is greatly wanted. Successful against all kinds of weeds and grass, applied dissolved in water with an ordinary watering pot. 1 lb., 35c; 5 lbs., $2.00. To kill weeds in lawns without killing the grass use Lawn Compound. 5 lbs., 75c; 10 lbs., $1.25; 100 lbs., $7.50.
SPRAYERS

THE "MISTY" SINGLE ACTION.

A low-cost sprayer made of heavy tin for general purposes holds one quart. Misty $0.35 Faultless .35 Midget, 1-pint $0.50 Powder Duster .40

GLASS JAR SPRAYER.

Holds one quart; has long, powerful pump; two discharge nozzles, which send the spray over a wide area. Price, 75c.

EASY AIR COMPRESSOR.

Has a large and strong pump, automatic shut-off nozzle; can be used for white-washing, disinfecting, and is very desirable for large gardens, etc. It is built of galvanized steel and holds one gallon. Price, $3.25.

CONTINUOUS DOUBLE ACTION.

Works both ways of stroke, giving twice the results with half the work; will not turn over on its side and allow the liquid to run out; made of heavy galvanized steel. Price, 75c.

KANSACK SPRAYER.

Tank holds 5 gallons. The pump is made entirely of brass, with large air chamber, ball valves, solid plunger and agitator, fitted with 5 ft. 3/8-inch hose, and Bonaparte nozzle. Galvanized steel, $11.25. Brass Tank, $18.00.

COG-GEAR BARREL SPRAY PUMP.

The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the head of the barrel. Has bronze ball valves and brass seats. The air chamber is 32 inches in length, enabling the pump to throw a uniform, constant and elastic spray. It has good leverage, is very powerful and easily operated. Complete with 15 ft. 4 1/2-inch 6-ply hose, Vormor or Bordeaux nozzle and agitators. Price, No. K505B, $12.75. No. 3181B, $13.50. No. 3195B, $14.50.

HUDSON SPECIAL.

The 1922 is a high pressure compressed air sprayer, and it works everywhere. It is particularly adapted for spraying potatoes and garden truck, fruit trees and vines, shade trees and ornamental shrubs, for whitewash, cold-water pest disinfectants, deodarizers, insecticides, stock dips, floor oils, etc. Capacity about 40 gallons. Shipping weight 11 pounds. No. 1922B. All brass, $8.50.

HUDSON JUNIOR SPRAYER.

The Hudson Junior is a high pressure compressed air sprayer. It is designed especially for the Farmer, Gardener, Physician, Clerks, Store Keeper, or anyone having a few fruit trees, ornamental shrubs, rose bushes, or a vegetable garden which requires spraying. It will do the work just as thoroughly as any larger power outfit, as it has all the necessary features to produce best results. Tank is heavy gauge galvanized sheets or all brass as ordered. Side seams are riveted and soldered. Pump is seamless brass tubing which seals into the tank by a half turn of the D handle and is easily removed for filling, cleaning, and plunger is equipped with special spray hose built to withstand high pressures, and our "Perfection" automatic shut-off, to prevent excessive extension may be used with it if desired. Capacity about 25 gallons. Shipping weight 8 pounds. No. 1106. Junior with galvanized tank, $4.50. No. 1103. Junior with brass tank, $7.25.

PERFECTION.

This is the most powerful machine in its class. The barrel is 7 1/2 in. in diameter and 20 in. high. The pump is 1 1/4 seamless brass tubing. The valves are metal and work automatically from 8 to 15 minutes, and may be recharged in 12 seconds. A boy with the Perfection can work as much work as three men using a hand pump and it more thoroughly. For whitewash use a No. 2 cap in the nozzle, which is furnished with each sprayer. Galvanized Steel, $8.00. Brass, $9.00.

MYERS COMPRESSED AIR SPRAYER No. 296.

Made of heavy galvanized iron, with 1 1/2" brass tubing, and attached to the can by means of a heavy brass screw nut. The nozzle is a special feature of this sprayer, making long distance spraying possible. The solution can be thrown a distance of 25 ft. Has always given entire satisfaction. Capacity 3 gallons. Price, Galvanized, $5.50. Brass, $8.50.

LITTLE GIANT AND PEERLESS BUCKET SPRAY PUMPS.

Made entirely of brass, made to order, provided with large air chamber and throws a continuous spray. Price, with 4 ft. 1/8-inch hose and two nozzles, $4.00.

PERFECT LEVER BUCKET SPRAY PUMP.

The air chamber is 59 per cent larger than the Little Giant Sprayer. Price, complete with agitator, hose and terminal nozzle, $6.00. 5-foot extension pole, 50c.

MODOCK BUCKET SPRAYER.

Price $1.50.

JUNIOR NO. 5 BUCKET SPRAYER.

Does away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc. This Pump requires no fastening of any kind; holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. It will itself, the upward stroke being made by a brass spring forcing the cylinder upward.

The all brass suction working within a brass cylinder with all brass valves. Everything except handle and hose is solid brass threaded and screwed together.

It is the easiest working and will do more different kinds of work than any pump ever made. Will pump from a pail, bucket, spring or creek. Weighs only 4 lbs. and is ready for instant use anywhere.

Will throw three sizes of solid continuous streams and two sizes of duster sprays. The automatic mixer to keep solution stirred, pleases everybody and will last a lifetime. Price, $3.75.

"KANT KLOG" COMPRESSED AIR SPRAYER.

The most practical compressed Air Sprayer, and useful in every variety of spraying and white-washing. The tank is made of either heavy brass or galvanized iron as desired. The pump is of heavy brass in inches in diameter, and four or five strainer holes. The plunger will discharge in complete, under a high pressure.

"Kant Klog" patented nozzle, which can be instantly cleaned by pressing it with the thumb. Stops liquid instantly when the thumb pressure is released. Galvanized Tank, $6.00. Brass Tank, $9.00.
LOW DOWN SPRAY PUMP.

R309B. This is an entirely new type of pump, with double the power of any other. They are fitted with removable 2½-inch brass cylinders and poppet valves, and are adapted for the use of hot or cold mixtures. They are built for use in extensive spraying operations of any kind, as their capacity is sufficient to carry from 1 to 3 leads of hose. Complete with 6 feet wire-bound suction hose, 15 feet of 7½-discharge hose, 4-foot extension pipe and one Fembro nozzle. Price, $46.00.

EUREKA HIGH-PRESSURE SPRAYING OUTFIT.

One of the best spraying contrivances on the market. Mounted on a very substantial all-steel cart; equipped with high-pressure steel tank, double-acting force pump, air gauge and one lead of 15-foot ½-inch 7½-hose and extension pipe. Price, $45.00.

LITTLE GIANT DUSTER.

This Blower is the highest development of all Powder Guns and Dusters now in use. Covers two rows perfectly and can be adjusted to any desired width. Each machine is furnished with two bins, five sieves and strap, and weighs 6 pounds. Price, $12.00.

DICKY DUSTER.

Indispensable for dusting vines and plants of all kinds. Price, 45c.

ACRE-AN-HOUR SITTER.

For applying Bug Death, Slug-Shot, etc., to any kind of plants and bushes as fast as a man can walk. Will cover perfectly a plant 3 ft. in diameter. Price, $1.00.

ACRE DRY POWDER GUN.

Applies all kinds of insect powder in any desired quantity. Price, complete with spreader, $1.32.
PUTTY BULBS.
A very useful tool for applying liquid Puttry and Mastics for glazing Sash or Greenhouses, Large size, $1.25.

MASTICA.
For glazing greenhouses, sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold. Price, 1/2 gal., $1.50; 1 gal., $3.50.

MASTICA GLAZING MACHINE.
Price, $7.25.

TWENILOW'S OLD ENGLISH GLAZING PUTTY.
Semi-Liquid.
For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses or hotbeds. 16-pound can (1-gallon capacity), $3.50.

HOT BED MATS.
Burlap, Made of strong burlap interleaved with cloth. Size, 8x76 inches, each, $2.50; size, 8x136 inches, each, $3.50.

GALVANIZED IRON WATERING POTS.
Made of heavy galvanized iron, with removable Sprinkler:
1 quarts .................. $0.50
2 quarts .................. $0.70
3 quarts .................. $0.85
4 quarts .................. $1.05
10 quarts ................ $3.50

GUARANTEE RUBBER HOSE.
Full 4-inch Moulded Hose made by one of the most reliable factories in the U.S., constructed out of the very best materials—first-class cotton fibre and brand new live rubber. This brand is giving entirely satisfactory service to many of our florist customers who need quality material to withstand the hard usage of the greenhouses. Furnished in 16-foot length. Price, 15c per foot. Best quality. Wrapped Hose, 13c per foot; 30 feet, $5.00.

HOSE NOZZLES.
Mystic Spigot Nozzle ................ $0.69
Justrite Spray Nozzle ................ $1.50

MARLINE.
Made from Indian Hemp and the best product in making Straw Mats. Furnished in 1 and 2-quilts. Per pound, 25c.

POT LABELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>1 inch, per 1000</th>
<th>1¼ inch, per 1000</th>
<th>1½ inch, per 1000</th>
<th>2 inch, per 1000</th>
<th>3 inch, per 1000</th>
<th>4 inch, per 1000</th>
<th>6 inch, per 1000</th>
<th>8 inch, per 1000</th>
<th>10 inch, per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain</td>
<td>$1.00</td>
<td>$1.40</td>
<td>$1.85</td>
<td>$2.30</td>
<td>$2.80</td>
<td>$3.35</td>
<td>$4.00</td>
<td>$5.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>Painted</td>
<td>$1.40</td>
<td>$1.90</td>
<td>$2.45</td>
<td>$3.00</td>
<td>$3.60</td>
<td>$4.20</td>
<td>$5.00</td>
<td>$6.00</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

TREE LABELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>¾ inch, iron wired</th>
<th>1 inch, iron wired</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain</td>
<td>$1.80</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

GARDEN TROWEL.
No. 2, 5-inch blade .................. $0.20
No. 1, 6-inch blade ................ $0.30

Rapid Plant Setters.
These setters are giving entire satisfaction to many large growers of Tomatoes, Cabbage, Tobacco, etc. They take the place of the dibble in making the holes; the plant slips through a slot into the ground and is watered all in one operation. The plants are fed into the slots from a basket which the planter carries and the work can be done standing almost erect. A great time saver and more satisfactory than hand work. Price, $6.00.

MOUNTED GRINDSTONES.
Chillax, Price, $2.00.

WHEEL BARROWS.
Garden Barrows, Substantially made of seasoned wood, firmly bolted and braced. No. 20. Steel wheel, wooden body. $3.75.
No. 16. Steel wheel, wooden body. $5.00.
Buch's No. 1. Size of body 28 inches long, 24 inches wide in front and 28 inches in back. Side-boards 12 inches high. $4.50.
Buch's No. 2. Size of body 28 inches long, 22 inches wide in front and 24 inches wide. Side-boards 12 inches high, $6.00.
Buch's No. 3. Size of body 28 inches long, 19 inches wide in front and 24 inches wide, side-boards 12 inches high. $6.30.
Buch's No. 4. Capacity 4 cubic feet. Steel spoke wheel, full-sized bent tray, planed, beveled and strapped together well finished. $7.00.

STEEL TRAY BARROWS.
No. 17B. Size of tray 32x27 inches; capacity, 2 cubic feet. $2.75.
No. 21. Light steel tray cement and dirt barrow. $3.75.
No. 25. All steel, tubular handles, riveted tray, high front to prevent spilling. Specially built for heavy work and rough usage $8.25.
OAT AND BARLEY FORKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Fork, 10 square tines</td>
<td>$1.00</td>
</tr>
<tr>
<td>1-tine, 15-in Diamond tine,</td>
<td>$1.60</td>
</tr>
<tr>
<td>cap. Wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Coal Forks, 12-tine</td>
<td>$1.25</td>
</tr>
<tr>
<td>14-in Diamond tine,</td>
<td></td>
</tr>
<tr>
<td>cap. Wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Coal Forks, 14-tine</td>
<td>$1.40</td>
</tr>
<tr>
<td>15-in Diamond tine,</td>
<td></td>
</tr>
<tr>
<td>cap. Wood D-handle.</td>
<td></td>
</tr>
</tbody>
</table>

HEAVY MILL AND STREET FORKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 heavy, 16-in Diamond tine,</td>
<td>$2.10</td>
</tr>
<tr>
<td>wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>6 heavy, 16-in Diamond tine,</td>
<td>$2.50</td>
</tr>
<tr>
<td>wood D-handle.</td>
<td></td>
</tr>
</tbody>
</table>

MANURE FORKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental, oval, 4-tine,</td>
<td>$1.40</td>
</tr>
<tr>
<td>plain ferrule,</td>
<td></td>
</tr>
<tr>
<td>4-ft. handle.</td>
<td></td>
</tr>
<tr>
<td>Continental, oval, 4-tine,</td>
<td>$1.60</td>
</tr>
<tr>
<td>light strap, D-handle.</td>
<td></td>
</tr>
<tr>
<td>18-in Diamond tine,</td>
<td></td>
</tr>
<tr>
<td>cap. Wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Extra heavy, 16-in Diamond</td>
<td>$2.00</td>
</tr>
<tr>
<td>tine, full strapped, wood</td>
<td></td>
</tr>
<tr>
<td>D-handle.</td>
<td></td>
</tr>
</tbody>
</table>

POST-HOLE Diggers.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baldwin Brand.</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

EARTH AUGER.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1, Bores holes 8 to 14</td>
<td>$6.00</td>
</tr>
<tr>
<td>inches in diameter, 3½ ft.</td>
<td></td>
</tr>
<tr>
<td>deep.</td>
<td></td>
</tr>
<tr>
<td>No. 2, Bores holes 8 to 16</td>
<td>$6.75</td>
</tr>
<tr>
<td>inches in diameter, 3½ ft.</td>
<td></td>
</tr>
<tr>
<td>deep.</td>
<td></td>
</tr>
</tbody>
</table>

HAY FORKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental, 2-tine, plain</td>
<td>$1.10</td>
</tr>
<tr>
<td>ferrule, 6-ft. straight</td>
<td></td>
</tr>
<tr>
<td>handle.</td>
<td></td>
</tr>
<tr>
<td>Continental, heavy, polished</td>
<td>$1.65</td>
</tr>
<tr>
<td>angular tines, Wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Iron D-handle.</td>
<td>$1.15</td>
</tr>
</tbody>
</table>

SPADING FORKS, D-HANDLE.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental, heavy, polished</td>
<td>$1.65</td>
</tr>
<tr>
<td>angular tines, Wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Iron D-handle.</td>
<td>$1.15</td>
</tr>
</tbody>
</table>

HOES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Socket, all steel, 6</td>
<td>$1.50</td>
</tr>
<tr>
<td>× 4, 7 3/4 in. inch.</td>
<td></td>
</tr>
<tr>
<td>Solid Shank, all steel, 6</td>
<td>$1.00</td>
</tr>
<tr>
<td>× 4, 7 3/4 in. inch.</td>
<td></td>
</tr>
<tr>
<td>Malieable Iron Socket, steel</td>
<td>$1.25</td>
</tr>
<tr>
<td>blade.</td>
<td></td>
</tr>
</tbody>
</table>

LAWN RAKES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawn Queen.—24 steel wire</td>
<td>$5.75</td>
</tr>
<tr>
<td>teeth, reversible head.</td>
<td></td>
</tr>
</tbody>
</table>

STEEL GARDEN RAKES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bow Shank Curved Teeth, gold</td>
<td>$1.60</td>
</tr>
<tr>
<td>bronze finish, Price, 12 teeth, 90c; 14 teeth, $1.60; 16 teeth, $1.10.</td>
<td></td>
</tr>
<tr>
<td>Goose Neck Shank, bronze finish, Price, 12 teeth, 75c; 14 teeth, 65c; 16 teeth, 90c; 18 teeth, $1.00.</td>
<td></td>
</tr>
<tr>
<td>Malieable Iron Bow Shank, Price, 10 teeth, 40c; 12 teeth, 45c.</td>
<td></td>
</tr>
</tbody>
</table>

WOOD HAY RAKES, wire bow, hand made. Price, 35c.

SCYTHES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best American Grass.</td>
<td>$1.50</td>
</tr>
<tr>
<td>Rush or Brier Scythes.</td>
<td>$1.50</td>
</tr>
<tr>
<td>English T. Waldron.</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

GRASS AND BRUSH HOOKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Grass Hook.</td>
<td>$1.40</td>
</tr>
<tr>
<td>German Grass Hook.</td>
<td>$1.60</td>
</tr>
</tbody>
</table>

BRUSH HOOKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>For shubbery and underbrush.</td>
<td></td>
</tr>
<tr>
<td>Tempered steel.</td>
<td>$1.15</td>
</tr>
</tbody>
</table>

HAND-MADE GRAIN CRADLES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand-made, 4-finger Cradle.</td>
<td>$2.00</td>
</tr>
<tr>
<td>With English Waldron scythe.</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

SHOVELS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid steel strap, D-handle,</td>
<td>$1.40</td>
</tr>
<tr>
<td>round point.</td>
<td></td>
</tr>
<tr>
<td>Solid steel strap, square</td>
<td>$1.40</td>
</tr>
<tr>
<td>point, long handle.</td>
<td></td>
</tr>
<tr>
<td>Solid steel, full strap,</td>
<td>$1.50</td>
</tr>
<tr>
<td>extra quality.</td>
<td></td>
</tr>
</tbody>
</table>

HOES.—Acme.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>For weeding and cultivating.</td>
<td></td>
</tr>
<tr>
<td>double prong, 4 1/2-in. blade</td>
<td>$40c.</td>
</tr>
<tr>
<td>Acme W. &amp; C. single prong,</td>
<td>$6.00</td>
</tr>
<tr>
<td>polished steel.</td>
<td></td>
</tr>
</tbody>
</table>

SPADES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semper D-handle, carbon steel</td>
<td>$1.60</td>
</tr>
</tbody>
</table>

NURSERY, extra heavy D-handle, full strap. Price, $2.00.

Knoxall, long handle; very substantial. Price, $1.40.

LIGHTNING HAY KNIFE.

Crucible steel. Price, $1.40.

For weeding and cultivating; double prong, 4 1/2-in. blade.

Lightning Hay Knife.

FORKS, HAND-MADE. 4 and 4 1/2-ft. Handle.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental, oval, 4-tine,</td>
<td>$1.40</td>
</tr>
<tr>
<td>light strap, D-handle.</td>
<td></td>
</tr>
<tr>
<td>18-in Diamond tine, cap.</td>
<td></td>
</tr>
<tr>
<td>wood D-handle.</td>
<td></td>
</tr>
<tr>
<td>Extra heavy, 16-in Diamond</td>
<td>$2.00</td>
</tr>
<tr>
<td>tine, full strapped, wood</td>
<td></td>
</tr>
<tr>
<td>D-handle.</td>
<td></td>
</tr>
</tbody>
</table>

36-in. FORKS.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental, oval, 4-tine,</td>
<td>$1.40</td>
</tr>
<tr>
<td>light strap, D-handle.</td>
<td></td>
</tr>
<tr>
<td>18-in Diamond tine, cap.</td>
<td></td>
</tr>
<tr>
<td>wood D-handle.</td>
<td></td>
</tr>
</tbody>
</table>
HAND WEEDERS.

![Hand Weeder](Image)

40c. 25c. 20c. 10c. each.

HAND GARDEN FORKS.

No. 2. 5½ inches long, hardwood handle, 3 tines, Japanned. Price, 25c.
No. 3. 10½ inches long, hardwood handle, 4 tines, Japanned. Price, 50c.

ASPARAGUS KNIFE.

Made of solid steel; see the cutting point. Price, 45c.

ASPARAGUS BUNCHER.

Price, $3.50

THE RODERICK MOLE TRAP.

Self-setting by pressing down on lever. Very convenient feature, found on no other trap. Made from best spring steel, thoroughly galvanized. Simple and durable in its construction. Price, 85c.

OUT-O'-SIGHT MOLE TRAP.

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass in hot beds. Price, $1.25.

THERMOMETERS.

8-inch, Tin, Japanned. Price, 50c.
10-inch, Hardwood Cabinet. Price, 60c.
12-inch, Tin, Japanned, Hot-Water Reg. Price, $1.00.
10-inch Cottage, with Barometer. Price, 35c.
Mushroom Bed and Hot Bed, Brass Point. Price, $2.00.

Scuffle Hoe.

TURF EDGER.

AMERICAN EDGING KNIVES.

All Steel. Price, $1.00.
SCUFFLE or PUSH HOES.
Price, $1.00.

VEGETABLE TYING MACHINE.

The Felins Tying Machine is an absolute labor saving device for market gardeners and tourists; doing five hours of tedious hand work in one hour. It ties any size bunch from one-quarter to five inches as tightly as desired and adjusts itself automatically to any size bunch. Simple and durable in construction, speedy, and can be operated by a child. Write for further information. Price, $75.00.

BUDDING KNIVES. PRUNING.

Malleable Handle Steel Plate. Price, 50c and 60c.
Solid Steel, 8-inch. Price, 75c.
Solid Steel, see illustration. Price, $1.00.
Imported French Steel. Price, $1.75.
Imported 1X1. Price, $2.00.

BUCKEYE PRUNERS.

No. 1 18-inch. Price, $1.50.
No. 10 18-inch adjustable. Price, $1.75.
No. 3 26-inch, extra heavy. Price, $2.25.
No. 26 Oakland. Price, $2.75.

FRUIT PICKER.

Made of galvanized hard-steel wire, shaped so as to imitate the human hand. Without pole. Price, 35c.

GRAFTING WAX.

Trowbridge Brand. .......
Price, 1/2 lb., 15c; lb., 30c.

WATERS' IMPROVED TREE PRUNER.

8 ft. ............ $1.50
10 ft. .......... 1.65
12 ft. .......... 1.80
Extra Knives, 30c. each.

LITTLE GIANT PRUNING HOOKS.

Without pole. Extra Heavy, $2.50 each.

PRUNING SAW.

16-inch .................. $1.20
18-inch .................. 1.35
20-inch .................. 1.75

HEDGE SHEARS.

8-inch American ........ $1.50
10-inch ............ 2.25
12-inch, English ........ 2.50
9-inch .......... 3.00
10-inch .......... 3.25
12-inch .......... 3.75
With Notch. 25c extra.

NORCROSS CULTIVATOR.

The Norcross is an adjustable garden cultivator of 6 blades. A very handy garden tool. By removing the center tooth you can straddle the rows. The teeth can be made to set close or wide apart. Can be detached from handle and attached to any wheel hoe. Price, $1.00.

MIDGET NORCROSS.

3-Prong, short handle. Price, 40c.
3-Prong, long handle. Price, 75c.

MAGIC WEEDER.

A perfect and efficient tool, made of best tempered steel and furnished with 6 and 18-inch handle. Price, 15c and 30c.
OLOVER CHILLED FLOWS.
Wood or Steel Beam.

Floors:
A1 Light, one horse ........................................... $8.75
B Medium, one-horse ........................................ 10.00
10 Full, one-horse ........................................ 12.75
13 Heavy, one-horse ......................................... 14.25
19 Light, two-horse ......................................... 15.75
30 Medium, two-horse ..................................... 17.50
40 Two or three-horse ...................................... 20.00
E Full, two-horse ........................................... 20.90
Wheels, complete, each .................................. $1.50 and 2.25
Jointers, complete, each ................................ $3.25 and 3.50

SYRACUSE CHILLED FLOWS.
John Deere Syracuse Plows are the result of forty years study and experience in plow manufacture and "Quality" always has been the moto of the Syracuse Plow Co.
The Company has made a special study for years of shapes and the assembly of different materials in the same plow, with the purpose of fitting properly a particular plow for a particular section.
Syracuse plows have proved their worth through years of use. They are scientifically designed, built of the best material obtainable and are equipped with attachments which will permit of a fine, accurate and reliable adjustment for governing the plows.

One-horse Plows.
No. 51L Right, wood beam, light, one-horse, making furrow 2 to 6 inches deep and 8 to 10 inches wide, with jointer and wheel, $15.50.
No. 52L Right, wood beam, medium, one-horse, making furrow 3 to 5 1/2 inches deep and 9 to 11 inches wide, with wheel and jointer, $17.50.
No. 53L Right, wood beam, heavy, one-horse or light two-horse, making furrow 3 to 6 inches deep and 9 to 12 inches wide, with wheel and jointer, $23.50.

Two-horse Plows—Wood Beam.
No. 603. Right, wood beam, light, one-horse, making furrow 4 1/2 to 6 1/2 inches deep and 10 to 12 inches wide, with jointer and wheel, $21.75.
No. 602 Right, and No. 502 Left. Wood beam, medium, two-horse, making furrow 5 to 7 inches deep and 11 to 14 inches wide, with jointer and wheel, $25.50.
No. 601 Right, and No. 501 Left. Wood beam, heavy, two-horse or light, three-horse, making furrow 5 1/2 to 8 inches deep and 12 to 16 inches wide, with wheel and jointer, $25.50.

Two-horse Plows—Steel Beam.
No. 401 Right, and No. 301 Left. Steel beam, making furrow 5 to 8 inches deep and 12 to 16 inches wide, with wheel and jointer, $33.50.

EMERSON-BRANTINGHAM TRACTOR FLOWS.
The E-B No. 105E is a most popular tractor plow for use with Fordson and other tractors. It has not been very extensively introduced in this section but it is sure to replace some plows now in use when its advantages are known. Built on principles developed through years of practical plow building experience, this implement is theoretically and mechanically constructed to do high class work. Full information and prices cheerfully given.

We always carry in stock a full line of plow repairs at popular prices.

SHOVEL FLOWS.

Steel beam, single shovel. Price, $5.90.
Steel beam, double shovel. Price, $5.90.
Steel beam, triple shovel. Price, $6.75.

BOSS DRAG SCOPS.

No. 1. With runners ........................................... $9.90
No. 2. With runners .......................................... 9.15

OLIVER CHILLED FLOWS.
Wood or Steel Beam.

Floors:
A1 Light, one horse .......................................... $8.75
B Medium, one-horse ....................................... 10.00
10 Full, one-horse ......................................... 12.75
13 Heavy, one-horse ...................................... 14.25
19 Light, two-horse ......................................... 15.75
30 Medium, two-horse ..................................... 17.50
40 Two or three-horse ...................................... 20.00
E Full, two-horse ........................................... 20.90
Wheels, complete, each .................................. $1.50 and 2.25
Jointers, complete, each ................................ $3.25 and 3.50

SYRACUSE SPINE TOOTH FLOWS.

This Steel Frame Spring Tooth Lever Harrow is now a favorite with every farmer. The frame is made of angle steel and the bottoms are equipped with detachable runner shoes which can be renewed when they become worn. Adjustible to any pitch.

15-Tooth 2 Section Cuts, 51-inch ........................................... $21.40
17-Tooth 2 Section Cuts, 61-inch ...................................... 23.00
20-Tooth 3 Section Cuts, 81-inch ...................................... 25.50

SYRACUSE CULTIVATOR.

The well-known, favorite Perry Harrow. Steel lined, guarded, protected bolt heads, perfect tooth asat.

14-Tooth Harrow ................................................. 15.75
16-Tooth Harrow ............................................... 17.00
20-Tooth Harrow ................................................. 19.50

W OOD FRAME SPRING TOOTH HARROW.

A spike-tooth Harrow with lever up. A smoothing Harrow with lever down. Made entirely of steel. The teeth can be instantly set at any angle desired and pitch to straight up or slanting backward.

One-Horse, One Section, 4 ft. Cut ................................ $8.25
Two-Horse, Two Sections, 8 ft. Cut ................................ 19.00
Two-Horse, Two Sections, 10 ft. Cut ................................ 21.00

DISK HARROWS.

The use of Disk Harrows has become a matter of necessity to the successful farmers.

EMERSON All Steel Special:
3 Disk, 16 inches, 5-foot ........................................... $88.50
10 Disk, 16 inches ................................................. 11.95
12 Disk, 16 inches ............................................... 16.00
16 Scraper not taken deduct $2.25.

TONGUE TRUCK FOR DEEP DISK HARROW

The Harrow Truck is a new device and enables the user to make a short turn and relieves the neck weight entirely. $8.60.

EMERSON-BRANTINGHAM DISK HARROWS.

For Horse and Tractor Power.

If you are farming to make money, you cannot ignore the advantages and the economy of labor-saving machinery, and the farmer who labors along without the good implements that modern conditions demand, pays a higher price in the end.

The H-B Tandem Disk Harrow enables you to do more work in shorter time and with less man labor. With one of these double action machines one man can do the work of two men with single disks in the same length of time and the work will be done better. Besides it may be equipped with either a horse or tractor hitch, which is an advantage when both kinds of power are available. Desired, the rear section may be detached and the front section used as a horse or tractor-drawn single disk harrow. Many of our customers operating Fordson tractors now have these harrows in use and are highly pleased with them. Quality and usefulness are built in. Let us send you illustrated literature and prices.
This is the oldest type of Planet Jr. Seed Drills, and is still very popular.

No. 1. As illustrated above. Price, $15.00.

No. 2. Same as above, but Drill Seeder only. Price, $13.00.

No. 4. Price complete, $18.00. Weight, 50 lbs.

As a Seeder only, $11.50.

Holds 2½ qts. of seed. The most popular of all seeders. Always gives entirely satisfactory results.

COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE NO. 35.

Holds 2½ quarts. It combines in a most practical way the No. 4 Drill and No. 12 Double Wheel Hoe. Price, $22.00.

No. 31. Price, complete as illustrated, $12.50

No. 31D. As a Seed Drill only. Price, $10.00.

Another Planet Jr. labor-saving tool intended for the small grove. Possesses all of the good qualities and accessories of the larger machines.

HILL AND DRILL SEEDERS NO. 2 AND NO. 3.

Recommended for the general market gardener. 15-inch and 16½-inch driving wheels. Seed hopper capacity 2 and 3 quarts. Price, No. 3, $17.50. No. 3, $20.00.

NO 33 PLANET JR. SEEDER ATTACHMENT FOR WHEEL HOES AND GARDEN FLOWS.

Particularly useful to the home gardener, as it is just as accurate and efficient as the larger seeders but designed for sowing short rows. Holds one pint of seed and plants every seed, even to the last one at the proper depth and distance apart. Planting with a seeder machine saves time as well as seeds and the crop is much more readily cultivated and kept free from weeds. Quickly attached by a single bolt to any Planet Jr. Wheel Hoe or Garden Flows. Price, $6.00.

EMERSON AUTO-PIVOT CULTIVATOR NO. 48.

Has the celebrated Emerson foot-lift device. Can be raised or lowered, and guided with the foot, leaving the hands free to manage the team. Has Roller and Ball Bearings. Can be used as a surface cultivator or a corn plow. Wheels can be widened or narrowed. Furnished in 6 or 8 shovels and has no complicated balancing devices. The gauges are nearer the team than are other makes and the draft is direct to the beams instead of the wheels. This machine has proven satisfactory wherever it has been placed.

Circular is yours for the asking.

6-Shovel Spring Hoe

NO. 33 — SINGLE WHEEL Hoe AND CULTIVATOR.

Will delight the suburbanite. Boys and girls, young and old, will find in this tool a light-hearted and amusing wheel hoe. Price, $6.00.

NO. 19 — IRON AGE HAND CULTIVATOR. Price, $4.75.

VICTORY IRON AGE HAND FLOW. Price, $4.00.

NO. 16 SINGLE WHEEL Hoe, CULTIVATOR, Rake and PLOW.

Equipment: One pair of 6-inch hoes, three cultivator teeth, one large garden plow, one 1-inch rake, one 4-inch rake, one leaf guard, All oil tempered. Price, $8.25.

NO. 12 — DOUBLE AND SINGLE WHEEL Hoe.

Equipment: One pair of 6-inch hoes, four steel cultivator teeth, one pair of plows, two leaf lifters. All oil tempered. Price, with attachments as in Cut. $11.00.

NO. 13 — WHEEL HOE.

Most useful. Has same frame, wheels and handles as No. 12, but has for equipment one pair of 6-inch hoes only. Price, $8.75.

NO. 17 — SINGLE WHEEL HOE.

Is of the same construction as No. 16, omitting the two rakes. Price, $7.75.

NO. 17 ½ — SINGLE WHEEL HOE.

Equipment. One pair of 6-inch hoes, three steel cultivator teeth, one leaf lifter. Price, $7.00.

NO. 18 — SINGLE WHEEL HOE.

Frame and wheel as No. 16, but has for equipment one pair hoes only. Price, $3.75.

NO. 19 — SINGLE WHEEL HOE CULTIVATOR AND FLOW.

Is strong, well made, with 15-inch-high wheel, which makes it easy running; equipped with one 2-inch cultivating tooth, one 4-inch cultivating tooth, one 5-inch sweep, one 10-inch sweep and one plow. Price, $5.75.
A more widely known and bear highest reputation of any make.

No. 9 Plain Cultivator, with lever expander: weight 63 lbs. Price, $11.50.
Without Wheel, Price, $11.50.

NO. 4—PLAIN CULTIVATOR.
Has patent expander in place of lever; weight complete with wheel, 4% lbs. Price, $11.25.
Without Wheel, 49 lbs. Price, $9.35.

NO. 100D—PLAIN CULTIVATOR.
Entirely new design. The frame is very rigid and light; the expander very simple, strong and convenient. It is exactly right for the medium farm and market gardener. Price, $8.00.

NO. 8—PLANET JR., HORSE HOE AND CULTIVATOR.
With Steel Wheel, Price, $18.60.
With Cast Wheel, Price, $17.50.
Packed weight, $3 lbs.
As used for plowing toward the row and for hoeing Equipment: Four 3x8-inch cultivator steels, one 4x8-inch cultivator steel, two 4-inch hammers, one 4-inch shovel, lever expander, depth regulator.

NO. 9—HORSE HOE.
Very similar to the No. 8, except that it has a plain wheel instead of the lever wheel and the depth regulator. With new Steel Wheel, weight 76 pounds. Price, $15.50.
Without Wheel, weight 44 pounds. Price, $13.50.

TWELVE-TOOTH HARROW, WITH NO. 4 EXPANDER.
No. 92.—With new Steel Wheel, weight 52 lbs. Price, $11.75.
No. 92a.—With new Steel Wheel, weight 49 lbs. Price, $11.75.

TWELVE-TOOTH HARROW, WITH NO. 9 LEVER EXPANDER.
No. 99.—With new Steel Wheel, Price, $20.00.
Baltimore Cultivator, with lever. Price, $7.00.

I. A. COMBINED HARROW AND CULTIVATOR.
A splendid tool for cultivating crops in rows. Whorolly pulverizes and loosens the soil without throwing dirt on the small plants. The teeth are reversible and can be changed in 4 different positions. Price as shown in illustration, $7.00.
Price, with lever, $9.00.

EMERSON-BRANTINGHAM STANDARD MOWER.
E. B. Standard Mowers are more easily handled, run lighter and are more durable than any other mowing machine. The manner in which the cutter bar is carried on the wheels, together with a proper distribution of the weight, greatly increases the traction power of the machine, overcomes side draft and weight on the horse's necks, giving it a powerful cutting capacity which enables it to cut through the heaviest grass without materially increasing the draft. The gear and driving mechanism is the three motion gear and is especially valuable in obtaining the high speed required without undue strain on any portion of the machine. This mower has many other points of superiority and we would be pleased to give you full information. Price, 5-foot, $15.00. Prices of other sizes on request.

EMERSON-BRANTINGHAM SELF-DUMP RAKE.
The only absolute automatic lock-down self-dump rake. Built for light draft, efficient work and durability.
6-ft., 20 teeth .............................................. $20.00
8-ft., 25 teeth ............................................... $22.25
9-ft., 28 teeth ............................................... $28.23

MYERS' DOUBLE LOCK UNLOADERS.
No. 209. Represents the new and latest improved Hay Carrier. Equipped with larger and heavier rope sheaves than any previous pattern made. Price, $10.50.

MYERS' CLOVER LEAF UNLOADER.
No. 1144. This is the well-known reversible car for double steel track. The locking device grasps the fork pulley on either side and permits it to swing free. Price, $8.50.
Double Steel track. Price per foot, 25c.
Hanging Hooks. For double steel track. Price, each, 20c.
Rake Brackets. Wrought or malleable iron. Price, each, 7c.
Pullies, 6-inch: wood sheave; malleable iron frame. Price, each, 80c.
Pullies, Knot-passing swivel; 6-inch malleable iron sheave. Price, each, 25c.
Double Harpoon Forks, all steel. Price, each, $2.25 to $4.50.
Floor Hooks, % inch wrought iron. Price, each, 15c.

WAGNER BARDOOR HANGER.

Extra Heavy All Steel and Self-cleaning, Tantum Bail-bearing Rollers, per set .............................................. $2.00
No. 15 Tubular Steel Track, per foot .............................................. 30
No. 168 Everlight Steel Track, per foot .............................................. 30
Steel Brackets, each .................................................................. 20
STERLING MOWER.

Simple in construction, light running, made of the very best material throughout, and warranted in every particular. 10 and 12-in. in. cut. Price, $5.50.

14-in. cut, four knives. Price, $6.00.
16-in. cut, 4 knives. Price, $6.50.

TERRACE SPECIAL. (Style P. P.). Price same as Sterling.

LEADER MOWER.

High Wheel. Case-hardened Bearings, double geared. Every detail of this Mower is in keeping with any high-grade machine on the market. High cylinders and very easy running.
14-in. cut, 4 knives, net . . . . . . . . . . 9.75
15-in. cut, 4 knives, net . . . . . . . . . . 11.50
16-in. cut, 4 knives, net . . . . . . . . . . 10.75

PHILADELPHIA HIGH-WHEEL MOWER.

Represents the highest achievement in Lawn Mower manufacture.

Roller Bearing. Style Graham. All steel, cylinder 6½-in. diameter; four blades; driving wheels 10-in. No front rod.

Removable box caps to take out cylinder for sharpening.

PHILADELPHIA EAGLE-HORSE LAWN MOWER AND ROLLER.

This is the latest production of this well-known factory, and is now acknowledged by every user to be the best Mower in operation.
36-in., with seat, shafts and draft pole . . . . . . . . . . . $115.00
42-in., with seat, shafts and draft pole . . . . . . . . . . . . . . 140.00
54-in., with seat, shafts and draft pole . . . . . . . . . . . . . . 165.00
Special price on motor mowers.

Baltimore Grass Collector.

Made of the best quality duck, heavy galvanized iron bottom; will fit any mower, and can be instantly attached and detached.

No. 1 will fit 12, 14 and 16-in. mower. Price, $2.25.
No. 2 will fit 16, 18 and 20-in. mower. Price, $2.50.

Lawn Rollers.

These rollers represent all the latest and up-to-date improvements; they are fitted with hardened steel roller bearings, which reduces the draft by 50 per cent; the counter-balance attached on the outside of the drum induces the handle to stand in an upright position. The outer edges of the drum are well rounded to prevent cutting.

Ball Bearing.

Diameter Total Weight
Keystone Steel Face Length Pounds Price
No. 4—2 section 20 20 250 $23.00
No. 6—2 section 20 24 300 27.50
No. 9—2 section 24 40 460 36.50

WATER BALLAST LAWN ROller.


CALIFORNIA SCIENTIFIC SPRINKLERS.

These sprinklers, which are especially adapted for use on lawns and golf links, supply a long-felt need for an efficient, simply constructed sprinkler, which has no movable parts to get out of order. The spray produced is just like rain and a remarkable distance is covered. Four, five, six and seven feet lengths, 30¢ per foot.

FOUNTAIN SPRINKLER.

Made of Heavy Brass.

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, 75c.

REVOLVING SPRINKLER.

These sprinklers are compactly and strongly made with phosphor-bronze bearings. Eureka Sprinkler, 12-in. high. Price, $1.80.
Newport Sprinkler, 24-in. high. Price, $3.50.

LADDERS AND LAWN SWINGS.

We shall be pleased to quote very reasonable prices.
Wire Fencing

UNITED STATES POULTRY NETTING.

U. S. Poultry Fence is strictly a "NSA" Galvanized fence, as the combination of line and mesh wires, closely woven, prevents any lengthening or narrowing between posts. Erecting U. S. Poultry Fence the line wires permit of being stretched to a high tension, which compels the fence to remain rigid and upright without anchoring it to a bank or top rail. These features place it a long stride beyond the Hex mesh netting, which never fails to narrow and lengthen if you attempt to stretch it to a tension required to prevent sagging.

There is no netting on the market that compares with U. S. Poultry Fence for strength, beauty and durability, and we invite comparison with other makes, feeling confident that all our claims of superiority will be substantiated.

Made of No. 20 hard steel wire, double twisted and galvanized after weaving.

2-inch Mesh. Put up in Roll of 150 feet.

-12-in. ........................................... $1.50
-24-in. ........................................... 2.75
-36-in. ........................................... 5.00
-48-in. ........................................... 6.50
-60-in. ........................................... 7.50
-63-in. ........................................... 1.00

In less than Roll lots, 1"ge a square foot.

BARBED WIRE—GALVANIZED.

Two and four points, price per 100 lbs. ........................................... $4.75

FENCE WIRE SPLICERS.

Small handy tool, which makes splicing easy and lasting. Price ........... $0.98

Little Giant, Most efficient splitter on the market. Indispensable for repairing old fences ........................................... $1.00

ORNAMENTAL LAWN FENCE.

Very attractive and we believe the most durable lawn fence made. Can be furnished heavy galvanized, or, in addition, coated with a specially prepared Gray Enamel Paint, Surface 1/4 inches wire. No. 9 Crimped Pickets in No. 1220 Tw. Cables.

Price, 36-inch, per ft. 15c; per 100 ft. ........................................... $15.00
Price, 42-inch, per ft. 18c; per 100 ft. ........................................... 17.00
Price, 48-inch, per ft. 21c; per 100 ft. ........................................... 20.00

In Rolls of 200 feet, deduct 1¢ a foot.

ORNAMENTAL GATES.

Heavy steel frames, filled to match the fence fittings for wood, pipe or metal post.

Distance Between Posts.

-Height 3 ft. 3½ ft. 4 ft. 5 ft. 6 ft. 10 ft. 12 ft.
-Style No. ........................................... $4.00 $4.40 $5.00 $5.75 $9.25 $16.00 $10.00
-Price, 42-inch, per ft. 15c; per 100 ft. ........................................... $15.00
Price, 42-inch, per ft. 18c; per 100 ft. ........................................... 17.00
Price, 48-inch, per ft. 21c; per 100 ft. ........................................... 20.00

In Rolls of 200 feet, deduct 1¢ a foot.

PAGE STOCK FENCE.

You can save all the time, cost and drudgery of tamping. Use American Steel Fence Posts. No tamping—No back-breaking post hole digging. You can drive steel posts in ordinary soil. Steel posts protect your live stock from lightning. Allows you to burn your rows, destroying bugs and weeds that damage crops. Eliminates repairs. Requires no stakes. Makes land last more valuable.

End post, 7 ft. high, weight 62 lbs. ........................................... $3.75
Corner post, 7 ft. high, weight 76 lbs. ........................................... 5.50
Ball Tops for Line Posts ........................................... $0.25
Ball Tops for End and Corner Posts ........................................... 0.40
Upper Collar for hanging Gate and End Post ........................................... 0.75
Lower Collar for hanging Gate and End Post ........................................... 0.75
Fig-Ear Latch ........................................... 0.75
Driving Caps for Line Post ........................................... 0.40
Driving Caps for End Post ........................................... 0.40
Driving Caps for Corner Post ........................................... 0.40
Driving Caps for Gate Posts ........................................... 0.40
Driving Caps for End Posts ........................................... 0.40

Special Prices on Large Quantities.

-5 ft. Line posts ........................................... $0.55
-7 ft. Line posts ........................................... 75
-7½ ft. Line posts ........................................... 75
-8 ft. Line posts ........................................... 80
-10 ft. Line posts ........................................... 80

Ribbon Wire, per 100 lbs. ........................................... $0.25

CHAMPION WIRE STRETCHER.

No. 1 has hickory handle and malleable clamp; can be quickly adjusted, and is a favorite with fence builders. Price ..................... $1.50

RATCHET WIRE STRETCHER.

Is operated by one man and holds the wire in any desired position. Price ..................... $1.50

"...the Lion" stock fence is made of hard steel wire and of just the right temper to give the fence extraordinary staying qualities. The patented Lion Lock prevents the buckling of the fence when stretched on uneven ground; it also prevents the fence becoming waterlogged and rusting out, which is the case in light-twisted lock.

Price per Rod

-Reg. No. 635, 6 strands, 35-in. high, ........................................... $0.40
-Reg. No. 845, 6 strands, 44-in. high, ........................................... 0.50
-Reg. No. 1047, 10 strands, 6-in. high, ........................................... 0.60
-Hog style, 726, 7 strands, 16-str., 12-in. apart, ........................................... 0.65
-Hog style, 832, 8 strands, 16-str., 12-in. apart, ........................................... 0.65
-Hog style, 832, 8 strands, 16-str., 6-in. apart, ........................................... 0.65
-10 Rod Rolls, 25¢ per Roll, Extra. ........................................... $0.47

PAGE HEAVY POULTRY AND RABBIT FENCES.

A fine group of poultry fences, sufficiently close spaced to answer every demand of the poultryman and strong enough to protect the yards against domestic stock. Price per Rod

-P-1848 18 strands, 48 inches high ........................................... $0.64
-P-2638 20 strands, 68 inches high ........................................... 0.70
-10 Rod Rolls, 25¢ per Roll, Extra. ........................................... $0.47

AMERICAN STOCK FENCE.

American fence is one continuous wire from top to bottom, and is locked to the strand wires with a simple lock or knot. No. 635, 6 strands, 35-in. high, 12-in. apart, per rod, $0.65
No. 845, 6 strands, 45-in. high, 12-in. apart, per rod, $0.75
Put up regular in 20-str. Rolls. Prices subject to change.

AMERICAN POULTRY FENCE.

An ideal fence against poultry and small animals. The spacing is graduated from 1½ inches at the top to 5 inches at the top, and the distance between the stays is 6 inches. We carry the fence in the following styles mentioned below.

1914. 48-in. high, per roll of 165 ft. ........................................... $6.15
1905. 53-in. high, per roll of 165 ft. ........................................... 6.25
1158 58-in. high, per Roll of 150 ft. ........................................... 6.60
RED CHIEF HAND CORN

Clamps on barrel, or box; has patented oval-shaped teeth, shelling the corn and cracking the grains. It shells very easily and throws out the cob every time.

Capacity 2-4 bushels per hour.

Price, $7.25.

RED CHIEF RAPID 1/2 HP. "WANT MORE MILL" GRAIN MILL

It is built on scientific lines and combines all the elements which make up the most satisfactory Hand-Power Mill for grinding small grain. The burrs are extra strong and sharp; and when run without the use of a wrench.

No. 26. Combined Hand-Power Mill, is substantially constructed; all bearings bronze metal, and when run at speed of 300-450 revolutions per minute, will grind from 10-20 bushels per hour. Power required, from 1/4 to 2 horse-power engine.

Price, $21.60.

Extra Attachments for the 26 MILL.

These devices, including Corn Sheller and Table Meal Separator, can be attached to any No. 20 Mill now in use and can be operated combined or independently, as may be desired, and enable the user to shell, grind, corn, and also make fine table meal in one operation.

Table Meal Separator. Price, $6.50. Including hand crank.

CONKEY'S BUTTERMILK STARTING FEED.

A muddy looking man or chick does not make an appetizing young fowl. This remarkable feed—originated by Conkey and prepared through processes controlled and used exclusively by Conkey—contains all the elements needed for safely starting baby chicks. Delicately ground, palatable, nutritious, and uniform.

This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the "purely" or scientific starting food. Conkey's does not just "happen"—it is a scientifically balanced feed as clean from all poisonous ingredients as a newly-churned cream. A single dose and the chick grows rapidly, uniformly, and becomes attractive. Taste it, smell it, that's the way to judge a chick food.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles. White Diarrhea—"eggs weakness," etc. is controlled. The buttermilk is semi-solid buttermilk, blended with other ingredients by the original process in such a way as to make this mash attractive, diastatic, tonic, and other properties necessary for the newly-churned product.

The moisture in the buttermilk is drawn off by the exclusive Conkey process in such a way as not to subject it to the terrific destruction known in "dry" buttermilk.

Lactic acid in buttermilk is described as an "Intestinal broom" which sweeps away unhealthy bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich, in one of the vitamins necessary to grower birds. It is a wonderful appetizer, aid to digestion and flock builder.

However, it is not the buttermilk nor the other ingredients alone that causes people to declare that their chicks grow twice as fast on this Conkey buttermilk. The buttermilk alone that protects the chicks from disease during the first critical eight weeks. The secret is the combination of these materials by the Conkey method—the balancing of the ration, as Conkey alone knows how. The food contains the necessary "balanced"—that word may be used to deceive unwary buyers—be added to a multitude of craft "mash" and "mill sweepings, poisonous weed seeds, musty screenings, worthless by-products, or other poor material, having little or no nutritive value.

Conkey's is so palatable that one poultryman said it ought to be used for "breakfast food." One woman wrote: "My chicks just love Conkey's. It is so tasty, and my, how they do grow! Better still, we didn't have a single loss in the present batch, whereas last year some other bowl troubles like before we began using Conkey's." Conkey's is all the chicks need the first eight weeks except greens, charocal, grit, clean water and some fine scratch grains in the litter for exercise. Give grit and water from the start. During the second week add green stuff and in the fourth week finely cracked grains placed in the right manner and at the proper rate and time. The first very cheap.

Price, 3 lbs., $1.50; 25 lbs., $15.00; 100 lbs., $3.25.

MANNS' BABY CHICK SCRATCH FEED.

Well balanced, clean, fresh, nutritious feed. Price, 10 lbs., 40c; 100 lbs., $1.25. (Subject to change).

MANNS' DEVELOPER.

The very necessary step to be taken for the proper development of young fowls. Price, 10 lbs., 40c; 100 lbs., $1.25. (Subject to change).

MANNS' SCRATCH FEED.

Wholesome, clean grains, correctly mixed to give a well-balanced ration, securely packed. This feed is a valuable food for growing birds and it is low in fibre, clean and always uniform.

The Growing Mash differs materially from the Starting Feed. Conkey buttermilk is semi-solid, and corn decreased—growing birds demand a heavier diet than delicate baby chicks. Price, 3 lbs., 20c; 55 lbs., $1.45; 100 lbs., $3.50.

MANNS' LAYING MASH.

To produce eggs abundantly, the flock must have a good scratch grain mixture, a regular supply of green feed, they are a plenty of water, and to all these items will not be sufficient to permit the hen to do their best; all these items and other experience poultrymen have learned this from experience. Our laying mash is very low in fibre and just right in protein for hens. It is a ration that may always be depended upon.

Price, 10 lbs., 40c; 100 lbs., $3.40. (Subject to change).

BEEF SCRAPS, EGG-A-DAY GRIT AND SHELLS.

All very attractive prices. We shall be pleased to send latest quotations.
"STANDARD" INCUBATOR OIL.

"Standard" Incubator Oil is a superfine kerosene. It is the result of research and exhaustive tests covering many years in an effort to produce an oil which will not smoke or char wicks. "Standard" Incubator Oil has been burned for four weeks continuously without any attention other than replenishing the supply in the reservoir, with no perceptible char on the wick nor change in the flame at the end of that period. It is far superior to the best grades of water-white kerosene supplied or obtainable, both in point of heat and light resulting from its use. It will give much better service than ordinary kerosene, so that its higher initial cost is not a serious factor in the way of its use.

"Standard" Incubator Oil is in every respect better than any kerosene or substitute for it hitherto placed upon the market. It will be found especially valuable for general household use, particularly where kerosene lamps are dependent upon for illumination. It can be advantageously used in place of ordinary white kerosene for lanterns, oil lamps on automobiles or carriages, and in fact wherever freedom from smoke, odor and charred wicks is particularly desirable. Price per 5-gal. can, $2.50.

IDEAL BROODER FOR INDOOR AND OUTDOOR USE. HOT-AIR HEATED.

The brooder is divided into two compartments: The hover, which is directly under the heater, and the exercise-room in front next to the glass windows. The two compartments are separated by a heavy felt curtain. The chicks go into the hover to get warm the same as they do when they go under the old hen in the natural way. The brooder is well finished, well manufactured, and will last indefinitely. Only first-class lumber is used in its construction.

Made in two sizes, priced as follows:

<table>
<thead>
<tr>
<th>Size</th>
<th>Floor Space</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1, 100-chick size</td>
<td>24x30 inch</td>
<td>55 lbs</td>
<td>$ 9.75</td>
</tr>
<tr>
<td>No. 2, 200-chick size</td>
<td>32x44 inch</td>
<td>110 lbs</td>
<td>12.50</td>
</tr>
</tbody>
</table>

ROYAL BROODER STOVE.

Burns any kind of fuel, is safe, dependable and easily operated.

Galvanized steel, fastened with bolts to a strong cast-iron base that fits perfectly to the top of the stove. Hover is 42 inches in diameter and is removable; it requires a floor space of 6 to 8 feet.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-chick size</td>
<td>$16.00</td>
</tr>
<tr>
<td>1000-chick size</td>
<td>29.00</td>
</tr>
</tbody>
</table>

IDEAL COLONY BROODER.

The Colony brooder has been in use for a number of years by thousands of poultrymen, and has never failed to give satisfaction. It burns hard or soft coal, and is self-regulating, check-valve or damper being hung on a sharp edge fulcrum so that it works perfectly. Price on application.

IDEAL PORTABLE BROODER.

This brooder is constructed throughout of heavy steel, has heavy felt curtains to protect the chicks, has first-class safety lamp, thermometer and complete instructions. Capacity, 100 chicks; diameter 18 inches; weight 30 pounds. Price, $7.50.
CROW, EAGLE, HAWK: They are constructed so as to keep feed near the outer edge where it can be easily reached. The small openings around the top keep the chicks out of the feed, keep food clean and prevent crowding, thereby insuring that the weakest chicks will get food. Top removable for cleaning. Thoroughly rust-proofed.

These hoppers are made from heavy galvanized iron, and are so constructed that they can be closed up at night to keep out mice and rats. They fit easily into the chicken run and make it possible for the birds to eat the feed in peace. These hoppers are made in two sizes.

12 inch ................................ $2.60
14 inch ................................ 2.80

DROP-BOTTOM WALL FOUNTAINS. A square fountain filled at the bottom, easily kept clean, very cheap. Price, 2-gal. size, 40c; 2-gal. size, $1.25.

ROUND WALL FOUNTAINS. A practical and convenient style, made of heavy galvanized iron. The one-gallon size has removable bottom so that all parts may be easily cleaned. Price, 1-gal. size, $1.40; 2-gal. size, $2.00; 3-gal. size, $2.75; 4-gal. size, $3.75.

This box is made of heavy galvanized iron with 3 compartments for grit, shells and charcoal. It is provided with lid and cover, which protects the contents and may be suppressed to the wall of poultry houses by the hanger. Price, 3 compartments, 12 in., Width 4 in. $0.90

NESCO SANITARY DRINKING FOUNTAINS.

Quarts 2 5 10 25 50 100 500 Price $0.50 $1.00 $2.00 $4.00 $6.00 $8.00 $15.00

IDEAL INSECT KILLER. Easy to operate, and one of the latest made. Price, 50c each.

WIRE HEN'S NEST. Very substantially made of heavily coppered wire and 1/4-inch metal strips; will last indefinitely, and always sanitary. Each, 25c; dozen, $2.50.

MADICATIZED NEST EGGS. A white sanitary, lime-repelling nest egg of superior quality and appearance, aiding greatly in keeping the nest and the hen free from vermin. It is provided with a real egg in appearance and contain a powerful disinfectant. Price, per doz. $2.50.

KEY KEY COLOR INSECT BAN.

These hoppers are spiral or key shaped, are quickly set up or removed, and makes it easy to keep accurate register of the amount of feed eaten. They are of proper temper, keep their shape, light in weight and very durable. Will not fade and are resistant to rust. These hoppers are made in six sizes and ten colors.

CHAMPION EGG BAND.

This is one of the best and most popular bands. A favorite among all poultrymen. It is adaptable to suit all fowls. 15c; 25 for 25c; 50 for 45c; 100 for 75c.

LICE EXTERMINATORS.

"STANDARD" DUST BATH. Why not let chickens clean themselves, whenever they feel like it. It is a simple and effective method. The make the only kind of a bath they know of. In the dust, to rid themselves of vermin and insects. It is very easy to make and carry out. Its use is not disagreeable. Standard Dust Bath is something that practical poultry raisers have long been looking for. Placed in the chicken run, by 20 feet of feed, standing six inches or more off the floor, Standard Dust Bath will give a marked improvement. If placed in the poultry within a very few days. It completely eradicates lice, cleans the feathers and imparts a glowing golden color to the fowls. It is a nature friendly, effective manner at a small cost. Not injurious to the less or bodies of the birds; it cannot get muddy or dusty and is an excellent disinfectant. Also is cheap not only in the first cost, but because it will last for a long time without replenishing. It positively destroys germs and parasites and is the best preventive of the spread of disease and gives the fowls the benefit of nourishment otherwise consumed. Price, 25c; 50c; 100-lb. bag, $2.00, f. o. b. Baltimore.

CONKEY'S NECK. A showy an inch square, made in water makes a gallon of dip or disinfectant over two times as strong as coal-tar disinfectants. No jugs, cans, no waste, no guessing as to mixture, saving on freight and packing charges. Price, 6 cubes, 25c; 100 cubes, $1.00. Special prices on larger quantities.

LICE POWDERS. For dusting hens, nestling, growing chicks, wherever body lice must be overcome. Pratt's or Conkey's, 15c and 25c packages. Sodium Fluoride, endorsed by the U. S. Dept. of Agriculture, 35c and 60c.

CAROLINIAN. Combination whitewash and disinfectant. Very readily mixed with water for spraying. 10 lbs., $1.55.

CONKEY'S, PRATT'S AND BURRELL-DUGGER REMEDIES. These remedies are guaranteed to sell because of their superior quality. Each line has its customers. Some customers prefer Conkey's, other one above, South. Gape, Cholera and Diarrhoea remedies are put up in 25c and 50c packages.

BACTERIAL POULTRY REMEDY. A useful medicine for the treatment of Cholera, Limberneck, Roup, Gapes, Diarrhoea, Black Head and certain other poultry ailments. A general remedy which will be of great assistance in the cure and prevention of many diseases. Price, 60c; plat, 50c.

PRATT'S SPECIAL REMEDY. For simple bowel complaints sometimes mistakenly confused with Cholera. Also for the relief of indigestion, sour crop and dysentery. Price, 30c and 60c.

PRATT'S POULTRY REGULATOR. A scientifically prepared tonic, acting on the digestion, bowels and blood, thus helping to keep the fowls in good condition and to increase egg production. It causes the laying hens to grow more rapidly, fatten more quickly and develop pullets into strong layers. Price, small size, 25c; 4-lb. package, 50c; 12-lb. mail, $1.40.

CONKEY'S POULTRY TONIC AND HESS' PANACEA. Price, 25c and 50c.

DON SUNG. Guaranteed to make hens lay. A tonic which increases egg production by improving the health of the fowls. It is not a substitute for other treatments, money will be refunded. Two sizes, 50c and $1.00.

WATER GLASS. Put down eggs in the spring and summer when they are cheap and keep them fresh for ten months. Price, gallon net, 90c; one gallon, 30c. One quart solution for 50 dozen. Price, quart, 40c; gallon, $1.25.

STAR JAR FOUNTAIN AND FEEDER. Will fit any plat, quart or half-gallon jars and bottles. Manufactured of one piece of non-rustable metal. No parts to come unconsidered. Leaking impossible. Convenient, cheap, sanitary. Little chicks cannot get drowned. Can be used for feed as well as water. Price, without jar, 10c.

METAL EGG CRATES—FOR SHIPING EGGS BY PARCEL POST.

These boxes are made for continued use. Made being strongly constructed, but light in weight. All crates are provided with built-in shock absorbers to give a cushion for the eggs. The crates are net ready for mailing, outside wrapping for mailing

OLD STYLE.

Capacity Each, 1-oz. size, 2; 2-oz. size, 2; 3-oz. size, 2; 4-oz. size, 2; 6-oz. size, 2.

COMBINATION CRATES—OLD STYLE.

1 doz. Eggs and 5% lbs. Butter ........................................ $1.50
2 doz. Eggs and 7 lbs. Butter ........................................ 1.75
3 doz. Eggs and 9 lbs. Butter ........................................ 2.00
4 doz. Eggs and 11 lbs. Butter ....................................... 2.50

NEW MODEL METAL BOX HULLER

2-oz. size ................................ $1.50
3-oz. size ................................ 2.00
6-oz. size ................................ 3.50
8-oz. size ................................ 4.50

4 DOZ. EGGS

ADDRESS: SUPERIOR FRAGILE

4 DOZ. EGGS

STAMPS

4 DOZ. EGGS

27
Dairy Supplies

AUBURN STEEL-AXLE FARM WAGONS AND PUMP CARTS.

These Wagons and carts are made of best Eastern - grown, well - seasoned hickory and white oak wood, heavily and well made throughout. They arc sold under a guarantee to carry their full rated capacity. Any defective part of material or bad workmanship will be replaced free of charge within one year from the date of purchase. Let us quote latest prices.

AMERICAN CREAM SEPARATOR.

The advantages of the Centrifugal Cream Separator are now acknowledged everywhere, and the American possesses the following points of merit:
- Simplicity, durability, clean skimming, ease of operation and price.

No. 10. 290 lbs. milk per hr. No. 2. 450 lbs. milk per hr.

No. 1. 300 lbs. milk per hr. No. 2. 300 lbs. milk per hr.

Fully Guaranteed.

Write for Special Price.

ROSS CREAM SEPARATOR.

Every small dairy should certainly have the Ross. It means one-quarter more cream of better quality and saves one-quarter the time. No machinery to run or look after. Separation is effected by circulation of cold water in outer can. All the cream rises to the surface in an hour or two and is drawn off sweet. Suitable for table use or other purposes.

1/2 gallons, capacity 1 to 2 cows... $0.50
1 gallons, capacity 3 to 4 cows... $1.50
5 gallons, capacity 4 to 6 cows... $12.50

TWIN SEPARATOR.

Has many advantages over the separator with a single milk vessel; one can be used in the morning and the other in the evening.

2 cans, 12 gallons, capacity 6 to 7 cows... $16.00

WATER MIXERS.

In the Diluters or Water Mixers the water is poured right into the milk so as to chill it instantly and cause the cream to rise in about one hour.

8 gallons, to hold 4 gallons of milk... $4.75
12 gallons, to hold 6 gallons of milk... $7.75
16 gallons, to hold 8 gallons of milk... $14.75

DAIRY THERMOMETERS.

Each... $0.75

CREAM-TESTING TUBES.

Each... $.60

PARCHMENT BUTTER PAPER.

Is furnished in sizes: 2x36, 9x12, 6x9, 6x6. Price, per pound, 25c. By mail, add regular postage.

HAND BUTTER PRINTS.

1/2 lb. Seeley Pattern as shown in cut... $0.75
Baltimore Pattern... $1.25
Round Print and Mould... $.40

BUTTER WORKER.


No. 1, 2 3/16 x 2 7/16 in., 50 lbs. $21.50

No. 2, 20x23x2 1/2 in., 30 lbs. $17.00

No. 3, 17x27x2 1/2 in., 20 lbs. $15.50

BUTTER COLORING.

Dandelion Brand Butter Coloring is guaranteed to be purely vegetable, and that the use of same for coloring butter is permitted under all Food Laws—State and National.

Will not color the buttermilk; will never turn rancid; gives the brightest and best color; butter never becomes reddish; prevents any other coloring.

Put up in four sizes.

Small size to color 500 lbs... $0.35
Medium size to color 1250 lbs. $0.55
Large size to color 2500 lbs... $0.85

Hudson Cow Stanchions.

Tubular Stanchions (No. 66W). These stanchions are wood lined, and so constructed as to be comfortable, strong and durable. They are made of high quality metal with but very few working parts to get out of order. The wood lining is a very important feature, as it is a protection against the cold iron. Price, $2.72 each.

Milk Cans.

Made of special heavy cold rolled milk can material. One of these cans will hold out two or three of the common light weight cans, sold at very attractive prices: 5 gal. size only.

No. 105, Old style Concave Cover, 12 lbs. empty $3.25 each
No. 205, Umbrella Cover... 15 lbs. empty, $3.50 each

No. 320, N. V. pattern, ext. heavy, 14 lbs. empty, 4.25 each
No. 626. Balt. pattern, ext. heavy, 15 3/4 lbs. 4.25 each

Ryde’s Cream Calf Meal.

Quality of more importance in Calf Meal than in any other feed; it pays to be the best. The advantages in feeding it are many.

1. It saves milk. 2. It costs less to feed. 3. It makes better veals. 4. You can raise your own daily cows on it cheaper than they 12 can be bought. 5. It leaves more milk to sell, and more profit to you. Satisfaction guaranteed. Price, 25 lb. bags, $1.50; 50 lb. bags, $5.00, each.

LETZ GRINDERS.

No. 6 Letz Junior. Has 6 inch diameter plates, 1/4 inch diameter drive shaft. Puller, either 6, 8, 10 or 12 inch diameter fly wheel 14 inches in diameter, weight 35 lbs. Complete weight of mill, 175 lbs. It will operate at 1 h.p. to 3 h.p., at 200 r. m. to 800 r. m., grinding 5 to 15 bu. (of 50 lbs.) of ear corn, according to power and speed. Price, $30.00.

Kelly Duplex Grinding Mills.

The only mill made which has double or duplex grinders. It has a grinding surface of just double that of any other mill of equal size, and therefore can do twice as much work; or do much work as any other mill twice its size. Grinds any kind of grain, cotton seed, corn and cob, and corn, cob and shucks equally well, and produces a gist of any desired quality—coarse, medium or fine. Its shifting device for regulating the grinding is the most perfect known. A positive force feed, no chocking; no end thrust on the main shaft under any conditions. Simple in construction, easily operated, strong, durable and efficient.

No. 1. 3/4 to 6 h. p. Three feet, 4 inches high, shaft 3 feet, 5 inches long; price $15.00, ea. ear corn, according to power and speed. Price, $50.00.

No. 11. Junior 3 to 6 h. p. Height, 8 feet, 2 inches, length of shaft 3 feet, 2 inches long; price $50.00. In every case, according to power and speed. Price, $40.00.

Tornado Ensilage Cutter and Silo Filler.

Made strong and durable in every respect; repairs are seldom necessary. Cuts 100 per cent faster and puts 22 to 30 per cent more feed into your silo than any other machine on the market. This firm packing of the feed keeps it in better condition and saves you in storage capacity. The feed is cut so fine that the cattle will eat it all.

No. 13 Cutter, with blower, 30 feet of pipe, flat feed table, mounted on steel truck, $163.20.

Same, with traveling feed table, $181.00. Requires 6 to 8 horse power.

Conkey’s Fly Knocker.

The best preparation on the market for keeping flies off cattle and horses. Easily sprayed on and remains in its strength all day, allowing the cows to pasture without annoyance, and therefore assists in the production of milk. Qt., 60c; gallon, $1.50.

CYLINDER CHURN—Illustrated.

Cylinder Churn.

Made of selected white cedar and well put up.

Full churning capacity.

No... 1... 2... 3... 4... 5... 6

Gallons... 4 6 11 16 20 25

Price... $4.25 $5.00 $5.75 $6.75 $7.50 $8.75

Barrel Churn.

Oak stave; steel top; it works by concussion and will not break the grain of the butter nor make it rancid or change in consistency.

No... 0... 1... 2... 3... 4... 5... 6

Gallons... 3 5 8 10 12 14 16

Price... $5.50 $6.30 $7.20 $8.50 $10.35 $11.75 $12.25

Butter Shipping Boxes.

36 4 lb. prints... $18.00 20 lb. prints... $15.00

64 4 lb. prints... $24.00 20 lb. prints... $16.75

80 4 lb. prints... $28.00 20 lb. prints... $18.90

100 4 lb. prints... $38.00 20 lb. prints... $20.40
### Water Supplies

**KANAWHA WOOD PUMPS.**

Porcelain Lined—Ready to Set in the Well.

<table>
<thead>
<tr>
<th>Depth</th>
<th>No. 4, 7x7</th>
<th>No. 6, 8x8</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Well</td>
<td>Head Pump</td>
<td>Head Pump</td>
</tr>
<tr>
<td>8 feet</td>
<td>$13.00</td>
<td>$15.80</td>
</tr>
<tr>
<td>9 feet</td>
<td>$14.00</td>
<td>$16.60</td>
</tr>
<tr>
<td>10 feet</td>
<td>$14.00</td>
<td>$17.60</td>
</tr>
<tr>
<td>11 feet</td>
<td>$14.00</td>
<td>$17.75</td>
</tr>
<tr>
<td>12 feet</td>
<td>$15.00</td>
<td>$17.80</td>
</tr>
<tr>
<td>13 feet</td>
<td>$16.00</td>
<td>$18.20</td>
</tr>
<tr>
<td>14 feet</td>
<td>$16.00</td>
<td>$18.60</td>
</tr>
<tr>
<td>15 feet</td>
<td>$16.40</td>
<td>$19.00</td>
</tr>
<tr>
<td>16 feet</td>
<td>$16.80</td>
<td>$19.40</td>
</tr>
<tr>
<td>17 feet</td>
<td>$17.20</td>
<td>$19.80</td>
</tr>
<tr>
<td>18 feet</td>
<td>$17.60</td>
<td>$20.20</td>
</tr>
<tr>
<td>19 feet</td>
<td>$18.00</td>
<td>$20.60</td>
</tr>
<tr>
<td>20 feet</td>
<td>$18.00</td>
<td>$20.60</td>
</tr>
<tr>
<td>21 feet</td>
<td>$18.80</td>
<td>$21.20</td>
</tr>
<tr>
<td>22 feet</td>
<td>$19.50</td>
<td>$21.80</td>
</tr>
<tr>
<td>23 feet</td>
<td>$20.30</td>
<td>$22.40</td>
</tr>
<tr>
<td>24 feet</td>
<td>$20.80</td>
<td>$23.00</td>
</tr>
<tr>
<td>25 feet</td>
<td>$20.80</td>
<td>$23.00</td>
</tr>
<tr>
<td>26 feet</td>
<td>$21.60</td>
<td>$23.60</td>
</tr>
<tr>
<td>27 feet</td>
<td>$22.00</td>
<td>$24.20</td>
</tr>
<tr>
<td>28 feet</td>
<td>$22.00</td>
<td>$24.20</td>
</tr>
<tr>
<td>29 feet</td>
<td>$22.80</td>
<td>$25.00</td>
</tr>
<tr>
<td>30 feet</td>
<td>$23.20</td>
<td>$25.60</td>
</tr>
</tbody>
</table>

**MYERS’ PUMP JACKS.**

Well built of best materials for perfect service. No. 422 for gasoline engine power and No. 422M for electric motor. Both are self-lubricating, and have machine cut gears. This construction not only insures perfect and continuous lubrication, but protects the moving parts from dust and dirt, greatly increasing the life of the jack. Can be used in connection with any make of pump stand. Price, $17.50.

No. 422. Steel shafts $15.00
No. 366. Angle iron shafts $12.50

**RED JACKET IRON EASY-TO-FIX PUMPS.**

Prices quoted below are Pumps ready to set in the well.

Fig. 28. Fig. 51.

<table>
<thead>
<tr>
<th>Depth</th>
<th>No. 5, 7x7</th>
<th>No. 6, 8x8</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Well</td>
<td>Head Pump</td>
<td>Head Pump</td>
</tr>
<tr>
<td>10 ft.</td>
<td>$25.00</td>
<td>$25.75</td>
</tr>
<tr>
<td>11 ft.</td>
<td>$26.50</td>
<td>$27.50</td>
</tr>
<tr>
<td>12 ft.</td>
<td>$26.50</td>
<td>$27.50</td>
</tr>
<tr>
<td>13 ft.</td>
<td>$27.50</td>
<td>$28.75</td>
</tr>
<tr>
<td>14 ft.</td>
<td>$27.50</td>
<td>$28.75</td>
</tr>
<tr>
<td>15 ft.</td>
<td>$28.75</td>
<td>$30.00</td>
</tr>
<tr>
<td>16 ft.</td>
<td>$28.75</td>
<td>$30.00</td>
</tr>
<tr>
<td>17 ft.</td>
<td>$29.75</td>
<td>$31.00</td>
</tr>
<tr>
<td>18 ft.</td>
<td>$30.60</td>
<td>$31.80</td>
</tr>
<tr>
<td>20 ft.</td>
<td>$30.60</td>
<td>$31.80</td>
</tr>
<tr>
<td>22 ft.</td>
<td>$33.00</td>
<td>$34.50</td>
</tr>
<tr>
<td>24 ft.</td>
<td>$36.00</td>
<td>$38.00</td>
</tr>
<tr>
<td>26 ft.</td>
<td>$36.00</td>
<td>$38.00</td>
</tr>
</tbody>
</table>

If over 44 feet, add 50c per foot on the above prices.

If 3-way is not wanted where listed, deduct $3.00.

**PNEUMATIC WATER TANKS.**

The tanks from 304 to smaller 5-16-inch thick heads and 3-16-inch thick shells; larger sizes have ½-inch thick heads and ½-inch thick shells. Every tank is tested to 150 pounds of air pressure.

The water storage of the Tank is about two-thirds of its total capacity.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>No. in Inches</th>
<th>Service in Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-16 inch</td>
<td>12.50</td>
<td>16.60</td>
</tr>
<tr>
<td>7-16 inch</td>
<td>17.80</td>
<td>20.20</td>
</tr>
<tr>
<td>9-16 inch</td>
<td>19.00</td>
<td>20.60</td>
</tr>
<tr>
<td>10-16 inch</td>
<td>19.40</td>
<td>20.80</td>
</tr>
<tr>
<td>11-16 inch</td>
<td>20.20</td>
<td>21.20</td>
</tr>
<tr>
<td>12-16 inch</td>
<td>21.20</td>
<td>22.00</td>
</tr>
<tr>
<td>13-16 inch</td>
<td>22.00</td>
<td>22.80</td>
</tr>
</tbody>
</table>

**MYERS SELF-OILING BULLDOZER POWER PUMP—FOR PNEUMATIC PRESSURE SERVICE.**

No. 610A. This pump has a capacity of 450 gallons per hour and is capable of producing 100 lbs. pressure. It has a cog gear handle attachment which makes hand operation very easy. Also equipped with tight anti fraying pulleys for power operation. The self oiling feature is very favorable.

Price, $5.00.

No. 612A. Self-oiling, for power only. Capacity 500 gallons at 70 r. p. m. Quite similar to No. 610A but has vacuum chamber additional. Price, $5.50.

**HYDRAULIC RAMS.**

For elevating water by its own pressure; a very economical means of supplying water to a storage tank, in cases where a natural water fall can be made available. These rams are constructed of iron and bronze and have always given entire satisfaction. No. 2, $14.00; No. 3, $17.50.

**WOOD STORAGE TANKS.**

Our Storage Tanks are made of carefully selected red gulf cypress. We avoid the use of upland or cheaper grade of cypress, and in getting Tanks from us you can rely upon high-grade material and workmanship. Tanks are made with round hoops and draw lugs, which give more strength and which do not rust like flat hoops.

**MYERS COG-GEAR SINGLE AND DOUBLE-ACTING FORCE PUMPS.**

No. R. 1072. This has adjustable base and reversible spout. Has patent glass valve seat, poppet valve and brass lined cylinder. Capacity, 440 gallons per hour. The extra leverage adapts the Pump for deep wells. Price, $12.00.

Add 25c per foot for wells up to 26 feet deep.

28 ft. depth of well. Price, $25.00.

Add 25c per foot for wells up to 66 feet.

**FIG. 1757. MYERS COG-GEAR BRANCH PIPE DOUBLE-ACTING FORCE PUMP FOR WELLS FROM 10 TO 150 FEET.**

**FIG. 1757.** Will go in a 5\(\frac{1}{4}\)-inch cased well. Capacity, 440 gallons per hour; has a 3\(\frac{1}{4}\)-inch brass-lined lower cylinder with glass valve seat; taffed for 1\(\frac{1}{4}\)-inch pipe. Price, for 10 foot deep well, $17.00. $5.00 extra for 3-way and windmill head.

Add 25c per foot up to 26 feet. Price, for deep-well Pumps, 25 feet, $38.00.

Add 25c per foot for wells up to 100 feet.
Miscellaneous Farm Supplies

Enterprise Sausage Stuffer, Fruit and Lard Presses

These machines are strongly built in every respect, and give years of service. Messy parts are always obtainable promptly, but rarely needed if machines are operated carefully.

The frame and cylinder are Japanese, while the lard cylinder is heavily tinned. The iron cylinder is bored true, making the machine more perfect. The tin cylinder has lips, to enable the operator to remove the hot crakclings with little or no inconvenience. No hot iron cylinder to handle when pressing lard. The patent latch prevents breakage of plates. The new patented corrugated spout prevents air from entering the casing, thus assuring the preservation of the meat. An enterprise represents a greater value for the money than any other like machine on the market.

No. 18, 2 quart $8.75 No. 31, 6 quart $9.40
No. 25, 4 quart $8.25 No. 35, 8 quart $10.50

Simplicity Gasoline Engines

The Simplicity is strictly a Standard Machine both in principle and detail, being designed and built according to the very best standard gas engine practice. In the design and development of these engines only the simplest and most direct principles are used; all complicated or delicate parts being avoided, because they invariably lead to trouble and expense. Practically all the working parts are in plain sight and easy to get at for adjustment.

These engines have given entire satisfaction for 21 years and we have thoroughly convinced ourselves of their merits before offering them to our trade.

Made in all sizes from 1½ h. p. to 16 h. p. and every one equipped with magnet. Let us send an illustrated folder describing the Simplicity and giving the latest prices.

Rubber Roofing

The highest quality rubber roofing obtainable from the most reliable manufacturers is offered at the lowest possible 1923 prices. Write for latest quotations stating quantity wanted. We carry large quantities of 2 and 3 ply in stock and can make immediate shipment.

Asbestos Liquid Roofing

Guaranteed for 10 years. This roofing is a heavy liquid which thoroughly seeps every hole and makes a leak impossible for at least ten years. It is made of asbestos fibre and contains no coal tar products, and therefore is not injurious to metal. Not affected by summer heat, is absolutely fire proof and may be used on any roof. The economy of Asbestos Liquid Roofing is plainly shown by the following comparison between two jobs on the same roof.

3 gal. good quality roof paint @ $1.50 3 .450
8 hours @ 50c 4.00

Total expense of job which lasted 2 years
$8.50 or $4.25 per yr.

5 gal. Asbestos Liquid Roofing @ $2.75 13.75
16 hours @ 50c 8.00

Total expense of Asbestos job lasting 10 years
$21.75 or 2.18 per yr.

A total saving of $20.70.

1 gal. $3.00; 5 or 10 gal. @ $2.75; 15 gal. @ $2.60; 30 or 60 gal. @ $2.50. For t. o. Baltimore.

Corrugated Iron Roofing

Heavy galvanized iron corrugated roofing is always carried in stock in all the standard sizes. Price subject to change. $5.00 per square (100 sq. ft.).

Enterprise Meat and Food Choppers

The Enterprise Chopper is the only machine on the market which is built on a perfectly correct principle of cutting. The meat is fed into the hopper and by the feed screw is carried forward and forced into the small holes of the plate, where it is cut off by the revolving knife, which makes four cuts for each hole, with every revolution of the crank. The pieces thus cut are ejected by the meat following. Enterprise Choppers cut the meat as with a pair of scissors, and do not grind or tear it. It is impossible for any strings, sinew or gristle to pass through without being chopped. All parts are interchangeable, and can be replaced at small cost. The knives and plates being steel, they are vastly superior to the cast-iron cutting parts of other choppers.

To suit the different uses to which Enterprise Choppers may be put. The chopper is made with a pair of scissors, and the plate having 3/16 inch holes being standard, and accompanies each machine.

<table>
<thead>
<tr>
<th>Hand Power</th>
<th>Wt. Capac. per min.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 501 (Food) Family size</td>
<td>4 lbs.</td>
<td>$1.70</td>
</tr>
<tr>
<td>No. 602</td>
<td>4½ lbs</td>
<td>2½ lbs.</td>
</tr>
<tr>
<td>No. 703</td>
<td>8 lbs</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>No. 8</td>
<td>12 lbs</td>
<td>3½ lbs.</td>
</tr>
<tr>
<td>No. 10</td>
<td>16 lbs</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>No. 11</td>
<td>18 lbs</td>
<td>4½ lbs.</td>
</tr>
<tr>
<td>No. 20</td>
<td>24 lbs</td>
<td>6 lbs.</td>
</tr>
<tr>
<td>No. 21</td>
<td>25 lbs</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>No. 32</td>
<td>32 lbs</td>
<td>5 lbs.</td>
</tr>
</tbody>
</table>

Power Series—Price

No. 12 requires half h. p., weighs 23 lbs., capacity 100 lbs. beef per hour, cut 3 times, $15.00
No. 622, Requires ½ to 1 h. p., weighs 39 lbs., capacity 150 lbs. beef per hour, cut 3 times, $21.00
No. 632, Requires 1 to 2 h. p., weighs 57 lbs., capacity 200 lbs. beef per hour, cut 3 times, $26.25
No. 633, Requires ½ to 3 h. p., weighs 70 lbs., capacity 150 lbs. beef per hour, $9.75
No. 32P. Requires ½ to 1 h. p., weighs 35 lbs., capacity 100 lbs. beef per hour, 12.90
No. 422-SP. (Single Pulley) Requires £ to ½ h. p., weighs 42 lbs., capacity 150 lbs. beef per hour, $15.00
No. 432-SP. (Double) Requires $ to 1 h. p., weighs 53 lbs., capacity 200 lbs. beef per hour, $18.75
No. 432-SP. Same as 422-SP, but with tight and loose pulleys $21.00

Washing Machines


No human being should be employed at a task which can be done as cheaply and as well by a machine. This applies to washing clothes as well as pumping water, grinding feed or sawing wood. Our line of washing machines is complete, ranging in price from $14.00 up. In every case we have selected machines which are well made from first class materials and designed to do the work most efficiently. Latest prices on application.

Cider Mills and Wine Presses

These mills and presses are substantially made and mechanically perfect, so constructed as to get the largest possible amount of juice out of the apples. The Cider Mills operate with a series of adjustable rollers and feed regulators; the lower rollers being cast with alternate rims and interlocking grooves which liberate every drop of juice. The presses are made of various sizes, the mills in quality of material and workmanship and are very efficient. We shall be pleased to quote latest prices.
INDEX

Vegetable Seeds

Artichoke 1
Asparagus 1
Asparagus Roots 1
Beets 1
Bok Choy 6
Borecole 6
Brussels Sprouts 6
Brussels Sprouts 6
Buch Limpas 6
Cabbage 6
Carrot 6
Celery 6
Chinese Cabbage 6
Collard 6
Corn 6
Cuss 6
Cucumber 6
Egg Plant 6
Escarole 6
Gumbo 6
Herbs 6
Kohlrabi 6
Kohlrabi 6
Leek 6
Lettuce 6
Lima Beans 6
Mangel Seeds 6
Musselin 6
Musumkin 6
Nepal 6
Okra 6
Onion 6
Onion Seed 6
Parsley 6
Parsnips 6
Peas 6
Peach 6
Pineapple 6
Pole Beans 6
Popcorn 6
Potato 6
Pumpkins 6
Radishes 6
Rhubarb 6
Rhubarb Roots 6
Rutabaga 6
Salad 6
Shall Beans 6
Squash 6
Spinach 6
Squash Beans 6
Squash 6
Sweet Corn 6
Sweet Potatoes 6
Swiss Chard 6
Turnips 6
Turnips 6
Vegetable Plants 6
Watermelon 6
Wax Beans 6

Field Seeds

Alfalfa 44
Alfro Clover 44
Bok Choy 44
Bokk Choy 44
Bokkch 44
Buckwheat 44
Canadian Field Peas 44
Carrot 44
Cayenne Pepper 44
Climbing Bean 44
Dwarf Essex Rape 44
Fava Bean 44
Hard French 44
Hungarian Millet 44
Jowar 44
Kaffir Corn 44
Kentucky Blue Grass 44

Mammoth Clover 44
Meadow Fescue 44
Millet 44
Oats 44
Orchard Grass 44
Rape 44
Red Clover 44
Rutabaga 44
Rhode Island Bent Grass 44
Sheep’s Fescue 44
Sorghum 44
Soybeans 44
Sudan Grass 44
Sweet Vernal 44
Tall Fescue 44
Tall Grass 44
Tiemothy 44
White Dutch Clover 44
Wood Meadow 44

Flower Seeds

Ageratum 34
Alyssum 34
Allium 34
Bachelor’s Button 34
Balloon Vine 34
Balsam Apple 34
Balsam Pear 34
Bells 34
Black Eyed Susan 34
Calendula 34
Calliopsis 34
Campanula 34
Canna 34
Carnations 34
Celosia 34
Centaurus 34
Chrysanthemum 34
Cineraria 34
Cinnamon Vine 34
Dahlia 34
Daisy 34
Delphinium 34
Digitalis 34
Dianthus 34
Dusty Miller 34
Evening Primrose 34
Everlasting Flower 34
Four O’Clocks 34
Foxglove 34
Gladiolus 34
Globe Amaranth 34
Gomphrena 34
Gourds 34
Hardy Cenelis 34
Hardy Phlox 34
Hellebrynum 34
Hesperis 34
Hollyhock 34
Hyacinth Bean 41
Ice Plant 41
Japanese Hop Vine 41
Kochia 37
Larkspur, Slender 37
Larkspur, Annual 37
Larkspur, Hardy 37
Lobelia 37
Lupinus 37
Lycianthes 37
Maize 37
Marigold 37
Marvel of Peru 37
Oregano 37
Mignonette 37
Mimosa 37
Monarda 37
Moon Flower 41
Morning Glory 37
Muscatel 37
Nicotiana 37
Nigella 37
Nigella 37
Onion 37
Passion Flower 41
Pea 41
Petunias 41
Peonies 41
Pinks 41
Pollens 41
Primrose 39
Pyrethrum 39
Salvia Splendens 39
Seabiscuit 39
Scarlet Sage 39
Safflower Plant 39
Safflower Plant 39
Snapdragon 39
Summer Cypress 39
Sweet Pea 39
Sweet William 37
Ten Week Stocks 39
Tubers 39
Tubers 39
Tubers 39
Tubers 39
Wallflower 39
Wild Cucumber Vine 39
Zinnias 39

domestic parcel post rates

On Seeds, Plants, Bulbs, Roots, within the U.S. and Possessions.

First Zone—Baltimore and within 50 miles of Baltimore.
Second Zone—within 50 to 100 miles of Baltimore.
Third Zone—within 150 to 200 miles of Baltimore.
Fourth Zone—within 200 to 250 miles of Baltimore.
Fifth Zone—within 250 to 300 miles of Baltimore.
Sixth Zone—within 300 to 400 miles of Baltimore.
Seventh Zone—within 400 to 500 miles of Baltimore.
Eighth Zone—all over 500 miles of Baltimore.
Western Electric Power & Light

You and your family deserve all the modern comforts and conveniences that make a brighter, happier, better home. Under the cheery glow of clean, safe, convenient electric light, the whole household takes on a new aspect of contentment.

Western Electric Power and Light brightens the house and lightens the housework. It supplies current for washing, ironing, sewing or cleaning. It lights the barn and does barn work—milking, separating, churning, grinding, cutting, pumping, etc. With it you can operate an electric automatic water system.

The Western Electric Outfit illustrated has a three horsepower air cooled gasoline or kerosene engine, which can be used independently of the generator. To start, merely turn the switch; it stops itself when the battery is charged unless you want it to run longer for some other purpose. The automatic regulation controlling the charging process is an exclusive Western Electric feature and it makes the battery last longer. This particular outfit, the most practical for the average farm, is only one of many sizes made by the Western Electric Company. There are sizes for every need, from small bungalows to large hotels, and enough of them in use to prove their worth.

We strongly recommend Western Electric Light and Power Plants because:
1st. Upon comparison, we have found them the most durable and dependable.
2nd. The Western Electric Company is an old reliable firm, in business to stay and unequalled in giving service.
3rd. Western Electric prices are lowest, quality considered.
4th. We want to sell you an outfit which will give such satisfaction that we will retain your friendship and strengthen the confidence you have in us.

LET US SEND LITERATURE AND PRICES.

MYERS ELECTRIC

Fresh Water System
DIRECT FROM THE WELL

No Storage Tank—Capacity 380 Gallons Hour

Just think of it: fresh water direct from the well, day or night, summer or winter, anywhere in the house or outbuildings, supplied automatically by merely turning the faucet.

The No. 622 A. M. system illustrated is used for shallow wells or cisterns up to 22 ft. in depth, while outfit No. 635 A. M., somewhat similar is used for deep wells. Both systems are equipped with one-half horsepower motors, either 32 or 110 volts, and the pumps are the self-oiling or splash system type.

The Myers Direct Water System is of sufficient capacity to pump directly against the faucets supplying any ordinary residence. The opening of any faucet starts the pump by releasing the air pressure against the electric switch. The expense of the current in operating an outfit of this class is no greater than is required for operating a pump of one-half the capacity when connected with a large storage tank as they are obliged to work under a pressure of from 40 to 50 pounds, whereas the Myers Direct Water System works under a pressure of 10 to 30 pounds only.

Several of our customers already have these outfits and are highly pleased with both price and performance. Let us show you the economy of this system applied to your needs.

GET OUR PRICES ON PIPE AND GENERAL PLUMBING SUPPLIES.