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Kell M. Tracy

Established 1869

P. Mann & Co.

Farm, Garden and Lawn

Annual for
1908

U.S. GOVERNMENT PRINTING OFFICE
Department of Agriculture
Washington, D. C.



207 7th Street N. W.

Washington, D.C.

Telephone Main 1121

POSTAGE ON SEEDS

Seed in packets, ounces, quarter and half pounds, are mailed by us free of postage.

Over half pounds, pounds, pints and quarts, the postage must be added to the price quoted, at the rate of eight cents per pound and fifteen cents per quart.

Orders by mail will receive prompt attention and have every advantage, as to price and quality of goods, just the same as if the purchaser should call personally at our store.

While we exercise care to have all seeds pure and reliable, we do not give any warranty, expressed or implied, and will not be responsible in any respect, for any loss or damage arising from the failure thereof. If the purchaser does not accept the seeds on these terms or conditions they must be returned at once.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Estimated Quantities of Seed Required for the Space Given.

Asparagus—1 oz. produces 1,000 plants, and requires a bed of 12 feet square.
 Asparagus Root—1,000 plants to a bed 4 feet wide and 225 feet long.
 English Dwarf Beans—1 quart plants from 100 to 150 feet of row.
 French Dwarf Beans—1 quart plants 250 to 350 feet of row.
 Beans, Pole, Large—1 quart plants 100 hills.
 Beans, Pole, Small—1 quart plants 39 hills or 250 feet of row.
 Beets—10 lbs. to the acre; 1 ounce plants 150 feet of row.
 Broccoli and Kale—1 ounce gives 2,000 plants and requires 40 square feet of ground.
 Cabbage—Early sorts same as Broccoli and requires 60 square feet of ground.
 Cauliflower—The same as Cabbage.
 Carrots—1 ounce to 150 feet of row.
 Celery—1 ounce gives 7,000 plants, and requires 8 square feet of ground.
 Cucumbers—1 ounce to 150 hills.
 Cress—1 ounce sows bed 16 feet square.

Egg Plant—1 ounce to 2,000 plants.
 Endive—1 ounce gives 2,000 plants, and requires 80 feet of ground.
 Leek—1 ounce gives 2,000 plants, and requires 60 feet of ground.
 Lettuce—1 ounce gives 7,000 plants, and requires seed bed of 120 feet.
 Melon—1 ounce for 120 hills.
 Nasturtiums—1 ounce sows 25 feet of row.
 Onion—1 ounce sows 200 feet of row.
 Okra—1 ounce sows 200 feet of row.
 Parsley—1 ounce sows 200 feet of row.
 Parsnips—1 ounce sows 250 feet of row.
 Pepper—1 ounce gives 2,500 plants.
 Peas—1 quart sows 120 feet of row.
 Radishes—1 ounce to 100 feet.
 Salsify—1 ounce to 50 feet of row.
 Spinach—1 ounce to 200 feet of row.
 Squash—1 ounce to 75 hills.
 Tomato—1 ounce gives 2,500 plants, requiring seed bed of 80 feet.
 Turnips—1 ounce to 2,000 feet.
 Watermelon—1 ounce to 50 hills.

Estimated Quantities of Seed Required to the Acre.

Wheat 1¼ to 2 bushels
 Parley 1½ to 2½ "
 Oats 2 to 4 "
 Rye 1 to 2 "
 Buckwheat ¾ to 2 "
 Millet 1 to 1½ "
 Corn ¼ to 2 "
 Beans 1 to 2 "
 Peas 2½ to 3½ "
 Hemp 1 to 1½ "
 Flax ½ to 2 "
 Rice 2 to 2½ "

Broom Corn..... ¼ to ½ bushels
 Timothy 12 to 24 quarts
 Mustard 8 to 20 "
 Herd Grass..... 12 to 16 "
 Flat Turnip..... 2 to 3 pounds
 Red Clover..... 10 to 16 "
 White Clover..... 3 to 4 "
 Blue Grass..... 10 to 15 "
 Orchard Grass..... 20 to 30 "
 Carrots 4 to 5 "
 Parsnips 6 to 8 "

Our catalogues are published each year, and are sent regularly to our customers whose names are on our books and to all others who apply for them.

P. MANN & COMPANY,

Opposite Center Market

207 Seventh Street, N. W.

P. MANN & CO., WASHINGTON, D. C.

INTRODUCTORY.

IN PRESENTING THIS OUR 1908 CATALOGUE, to our patrons and friends, we wish to thank them for the very liberal support they have accorded us during the past years and trust they will favor us with their patronage in the future. The flattering reports received from customers about the quality of our seeds have been very gratifying.

While we do not set apart any part of our catalogue especially for novelties in the seed line, we wish to call attention to the items that are deserving exceptional mention.

WE DELIVER FREE to any Post-office all vegetable seeds mentioned in this catalogue, if in packets, ounces, quarter or half pounds. Purchasers must pay charges on pounds, pints, quarts, pecks or bushels, and on all agricultural tools and fertilizers.

When Ordering please state whether you want goods shipped by mail, express or freight. When this is omitted we use our best judgment. Remittances may be made by sending Post-office Order, Express Money Order, Registered Letter, or Draft. For small amounts postage stamps are acceptable. Catalogues are sent free to all who want them.

DISCLAIMER—While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, expressed or implied. If the purchaser does not accept the seeds on these conditions they must be at once returned.

Yours truly,

P. MANN & CO.,

Washington, D. C.

ARTICHOKE (Artichoke.)

The seed should be sown in April, in a good soil, in drills 10 to 12 inches apart, and about one inch deep. Protect the plants from freezing during the winter, and the following spring separate and transplant, setting them 3 feet apart in moist soil. Upon the approach of cold weather the stems and leaves should be cut away and the bed covered so as to prevent freezing. With careful cultivation a bed should last three or four years. The suckers, or offshoots, from established plants, may be used for propagating, instead of sowing seed. The plant is a hardy perennial, growing 3 to 4 feet high, with numerous branches. Just before the flower is ready to open, the head is in condition to boil.

Green Globe. The best for general use. Pkt. 5 cts., oz. 30 cts. Plants, 20 cts. each, \$2.25 per doz.

ASPARAGUS.—Spargel.

1 oz. for 60 feet drill; 400 plants,

CULTURE.—To grow plants from seed, sow in April or May, in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds. During the Summer "thin out," and the following Spring the plants may be set out in beds, 6x6 feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the Fall they should be cut and removed from the beds, and just before Winter cover the beds with four inches of strawy manure or leaves, which should be removed in the Spring.

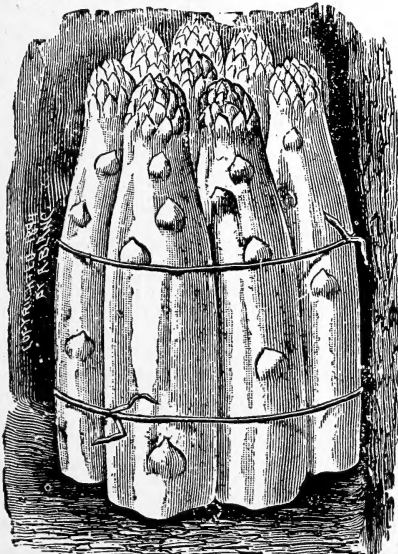
Barr's Mammoth.—A favorite with market gardeners. Shoots very large, tender, quick growing and thick to the top. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

Columbian Mammoth White.—A large, thick variety; very white, even above ground. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

New Palmetto.—This variety is not only much earlier, but is also a better yielder, and is more even than the Old Favorite. The Palmetto has now been planted in all parts of the country, and the reports we hear indicate that it is equally well adapted for all sections, North and South. Package, 5c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

ASPARAGUS ROOTS

Any variety, two-year-old, per 100, 75c.; by mail, \$1.25; per 1,000, \$6.00.



ASPARAGUS KNIVES.—30c. each; by mail, 35c. each, postpaid. Dozen, \$3.

P. MANN & CO., WASHINGTON, D. C.

BEANS.

Green Podded, Dwarf or Bush Varieties.

DWARF BEAN CULTURE.

Dwarf Beans may not be safely planted until the middle of April owing to the late frost, but may be planted thereafter as desired, until the middle of August.

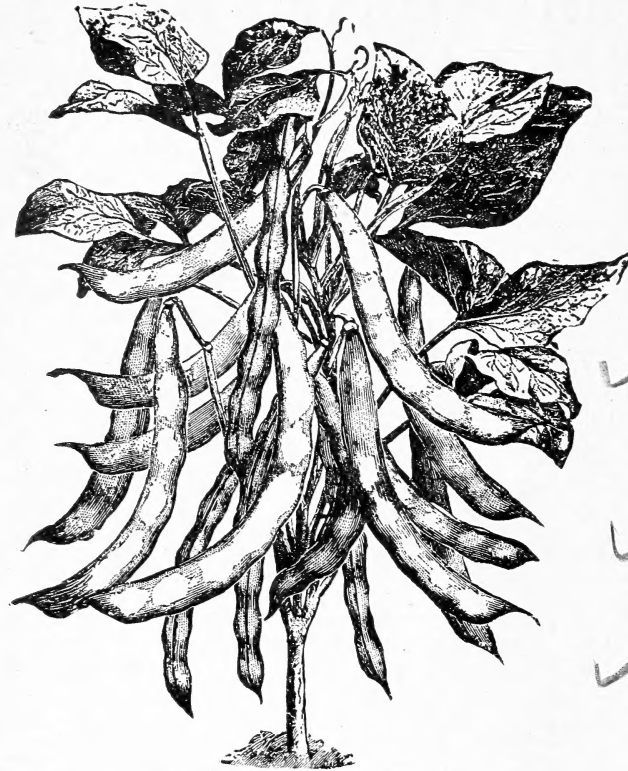
Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often to keep earth to the stems.

Early Yellow Long Six Weeks.—In growth and maturity is very similar to the Mohawk and is a very popular variety in the South, pods long and flat, very productive and ripens about the same time. Quart, 20c. Peck, \$1.25. Bushel, \$4.00.

Early Round-Pod Red Valentine.—Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment perfectly. It is a heavy cropper, and ready to pick in about forty days. Quart, 20c. Peck, \$1.00. Bushel, \$4.00.

Black Valentine.—This excellent variety is a great improvement over the popular standard sort Early Red Valentine, being one-third longer than that variety, pods perfectly round and straight and of excellent quality. It also has the additional advantage of being suitable

both for early and late planting, being extremely hardy. It will withstand early and late frosts which kill other varieties. A most desirable sort for the market gardeners, owing to its enormous yielding qualities, large and handsome appearance. Quart, 25c. Peck, \$1.50. Bushel, \$6.00.



EARLY RED VALENTINE.

Burpees Stringless Green Pod.—This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than Valentine; that is to say, in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. Quart, 25c. Peck, \$1.25. Bushel, \$4.50.

White Pea or Navy.—Boston Baking Bean. Price per qt., 15c. Peck, \$1.00. Per bushel, \$3.50.

Dwarf Wax or Buttered Varieties.

Davis Kidney Wax.—An excellent rust proof Market Bean. One of the main points of its superiority over other sorts is its extreme hardness and excellent keeping qualities. The dry bean is white. Quart, 25c. Peck, \$1.25. Bushel, \$5.00.

Dwarf German Wax.—One of the finest of Snap-shorts, and the oldest of the Wax varieties; pods transparent, waxy yellow, and snap like pipe-stems; boil as rich as butter, and when highly seasoned are luscious; they are thick and very tender, entirely stringless, and fully as early as the Valentine. Quart, 25c. Peck, \$1.50. Bushel, \$5.50.

Improved Golden Wax.—(Rust-proof.)—This variety, the pods of which are of a dark, rich golden-yellow color, is rapidly surpassing the famous Golden Wax, which has been the most popular and most desirable of all Wax varieties. Quart, 25c. Peck, \$1.25. Bushel, \$5.00.

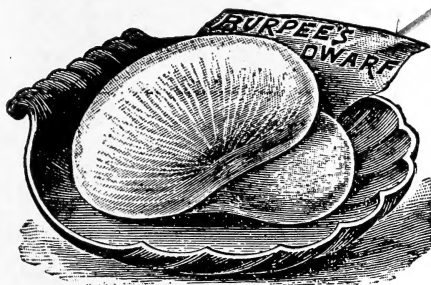
Currie's Rust-Proof.—Pods long, flat and straight, of a beautiful golden color. Price per quart, 25c. Peck, \$1.50. Bushel, \$5.50.

Wardwell's Kidney Wax.—Pods long, broad, flat and of a waxy yellow. Beans white, mottled with purple. Price per quart, 25c. Peck, \$1.50. Bushel, \$6.00.

(Owing to short crops in some varieties of beans, prices are subject to change.)

SEEDS AND IMPLEMENTS

DWARF LIMA VARIETIES.



Burpee's Dwarf Lima.—This is a bush form of the well-known large White Lima Bean. It is very fixed in its bush character, growing to a uniform height of about twenty inches, and forming a circular bush two to two and a half feet in diameter. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

Dreer's Bush Large Lima possesses all the good qualities of the Dreer's Improved Pole Lima, which has long been admitted to be one of the best quality. It is of true bushy habit, growing vigorously about two feet high, showing no disposition to run. It produces pods in great abundance. The beans grow close together, four, and sometimes-five, in a pod, and are very thick, sweet and succulent. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

One quart will
plant 100 hills.

Lima Beans Pole Varieties.

Extra Large-Size Lima.—Large white bean, very tender; used without shell; equally good in winter, if soaked 6 to 10 hours before cooking. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

Ford's Mammoth.—The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality, for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Ford's Mammoth Podded is without exception the largest podded, finest flavored and most productive of all Lima Beans. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

King of the Garden.—Large bean and pod; very heavy cropper. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

Lazy Wife's Pole Bean.—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for winter use. Quart, 30c. Peck, \$1.75. Bushel, \$7.00.

Speckled Horticultural, or Cherry.—Very productive; equally good in the green state or when shelled. Quart, 25c. Peck, \$1.50. Bushel, \$5.00.

Kentucky Wonder or Improved Old Homestead.—We regard this variety as being the most desirable, best and earliest of all the green-podded running beans. Quart, 30c. Peck, \$1.75. Bushel, \$6.50.

Golden Carmine Pole Bean.—A new strain of horticultural pole of sterling merit. Excels in earliness, quality, handsome appearance and productiveness. Quart, 30c. Peck, \$1.75. Bushel, \$6.50.

Red Speckled Cut Short or Corn Field.—Quart, 25c. Peck, \$1.50. Bushel, \$5.50.



P. MANN & CO., WASHINGTON, D. C.

BEEETS. (Rothe Rube, Ger.)

CULTURE.—Seeds should be sown thinly in drills one-half to one inch in depth. Make the first sowing when the trees are starting out in leaf and continue with additional plantings every three or four weeks until August 1, so that a constant supply of fresh, tender roots may be had throughout the season. Use one ounce to 100 feet of drill; four pounds per acre in rows three feet apart.

✓ **Crosby's Egyptian.**—This variety is as early as the original Egyptian, but by careful selection has been made thicker, and of better quality. For *early* use, either for market or for family gardens, this variety easily takes the lead. It is very popular among market gardeners. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

✓ **Crimson Globe.**—A second early variety, somewhat oblong in shape with smooth skin and very dark flesh. Good quality. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

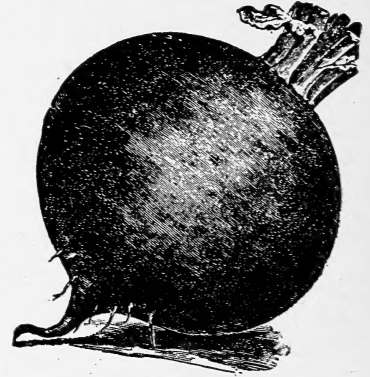
✓ **Early Eclipse.**—Very early, dark red color, small top and free from fibrous roots; will grow without thinning the plants. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

✓ **Dewing's Improved Blood Turnip.**—An improved variety of the Early Blood Turnip, of deep blood-red color, fine form and flavor; an excellent market sort. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

✓ **Detroit Dark Red Turnip.**—Very early and an excellent keeper. Tops small. Roots dark red and globular in shape. Tender and sweet. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

✓ **Improved Early Blood Turnip.**—An improved variety of the Early Blood Turnip; of deep, blood-red color; fine form and flavor. An excellent market sort. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

✓ **Edmond's Blood Turnip.**—Of deep red color, smooth and of fine form. One of the leading varieties both for market and for family use. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.



ECLIPSE BEET.

MANGEL WURZEL AND SUGAR BEET FOR STOCK FEEDING.

✓ **Improved Mammoth Prize Long Red.**—The heaviest cropping and best long mangel. This mammoth variety grows to an immense size, single roots weighing twenty to thirty pounds each, and always of a very fine texture and good quality. $\frac{1}{4}$ pound, 10c. Pound, 25c. Five pounds or more, 20c. pound.

✓ **Red Globe Mangel.**—This variety is valuable for earliness and smooth symmetrical globe shaped roots. The roots are about eight inches in diameter. $\frac{1}{4}$ pound, 10c. Pound, 25c. Five pounds or more at 20c. per pound.

BROCCOLI.—German Spargle Kohl.

Sow thinly in seed beds about the middle of Spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White.—Heads medium size, close and compact. One of the most certain to head. Packet, 10c. Ounce, 30c. $\frac{1}{4}$ pound, \$1.00.

BORECOLE, or KALE.—See Kale.

BRUSSELS SPROUTS.—German Sprossen Kohl.

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. Sow in May and manage as winter cabbage. In the Fall break the leaves down so that the little cabbage will have more room to grow.

Perfection.—The best variety; is closely covered with large, compact sprouts. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.



SEEDS AND IMPLEMENTS

CABBAGE.

French—*Choux Poennes.*

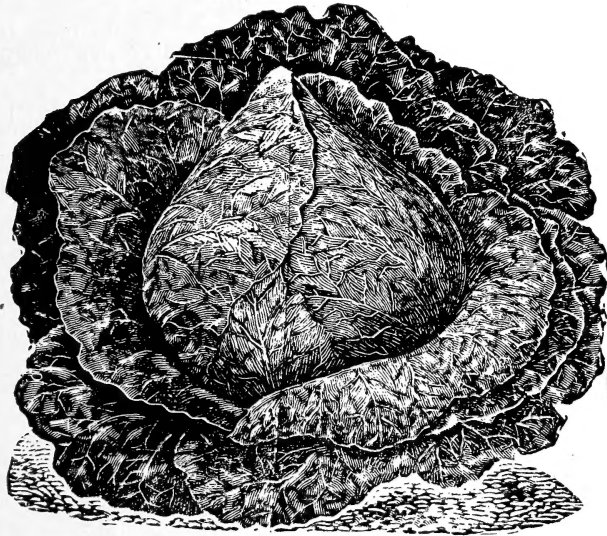
German—*Kopf Kohl.*

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about 4 weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May, and transplant in July in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see Insect Destroyers in this Catalogue.) One ounce of seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.



EARLY JERSEY WAKEFIELD.

Selected Jersey Wakefield.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are: Large heads for an early sort, small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak. The sort mostly used for wintering over in cold frames. The seed we offer is first-class; sure to give satisfaction. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.



CHARLESTON WAKEFIELD.

Early Flat Dutch.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.25.

ALL-HEAD EARLY.

(TRUE).—A thoroughbred sort, on account of its remarkably uniform size and shape, and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. The main feature of a good cabbage is tenderness, and, in this respect, it is unsurpassed. For winter sow in July, and the plants set out about the middle of August will bring heads, large

Large Wakefield, or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 pounds; as solid as Winningstadt. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.

Henderson's Early Spring.—This variety is nearly as early as the Jersey Wakefield, but the heads are of the round, flat type of Early Summer. It has very few small outer leaves, short stem and very small heart, making almost entire head fit for use. The quality is extremely fine. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 60c. Pound, \$2.00.

HENDERSON'S EARLY SUMMER.

Selected Stock.—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Keeps longer without bursting than any variety with which we are acquainted. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 40c. Pound, \$1.75.

and solid. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50.

LOUISVILLE DRUMHEAD.—A strong and vigorous, but not coarse growing sort of Flat Dutch type. Plants short stemmed and compact, with broad well rounded, large leaves, very full at base. Head, semi-flat, thick and of good quality. Package, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.25.

P. MANN & CO., WASHINGTON, D. C.

Cabbage—Continued.

Burpee's Original Sure-head Cabbage.—Produces large, round, flattened heads of the Flat Dutch type and is remarkable for its certainty to head. It is very sweet flavored, has but few loose leaves, keeps well, is good for shipping, and is just the variety and quality to suit market gardeners, farmers, and all lovers of good cabbage. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.

All seasons.—Heads very large, round, solid and of fine quality, keeping as well as the Winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Ounce, 15c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

Autumn, King, or World Beater.—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.

Succession.—This is a splendid cabbage, suitable for fall or spring sowing, has large, flat, handsome heads and matures rapidly. Plant Succession for main crop. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.



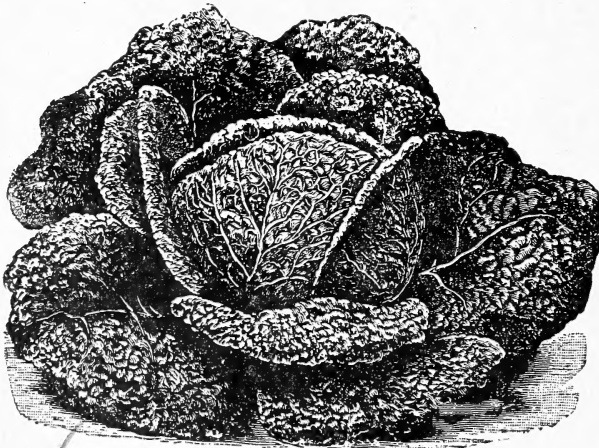
BURPEE'S SUREHEAD.

Premium Late Flat Dutch,

This variety is largely grown for late or main crop, being the favorite market variety. Heads very large, solid, and broad, with flat tops; of fine flavor and quality, very short stems. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.25.

Savoy Cabbage,

The Savoy or Curley Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.



SAVOY CABBAGE.

Improved American Savoy.—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoys for home use or market. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50.

RED CABBAGE,

Large Red Drumhead (extra selected.)—Although many so-called new varieties have been introduced, there is none, we believe, superior to our strain of Large Red Drumhead. Wherever tried it has given universal satisfaction. Heads are large, round, very solid, and of a deep-red color. Ninety-five per cent. will form extra fine heads. Excellent for pickling. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

SEEDS AND IMPLEMENTS

CARROTS.—MOHREN.

1 ounce to 150 feet of drill. 2½ pounds to an acre.

CULTURE.—Follow directions given for Beets and Parsnips, as there is no difference in the method of cultivating these roots. For early crop sow in March, for late crop in May or June.

Danvers' Half Long Point Root Carrot.



✓ **Early Rubicon Carrot.**—Is a Half Long Orange, Stump-Rooted Carrot, of a beautiful, deep-red, orange color. It is earlier than Danvers, about the same length, but heavier and thicker at the shoulder, making it more productive. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

✓ **Early Scarlet Horn.**—Small, but early. Best for forcing. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

✓ **Danvers' Half-Long Stump Rooted.**—A new variety of decided merit; rich in color and of handsome shape. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

✓ **Danvers' Half-Long Pointed Root.**—Early and very beautifully shaped; very rich in color and best for main crop. It is worthy of a fair trial. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

✓ **Chantenay, Half-Long.**—Resembles the Nantes, with larger shoulders, medium early and heavy cropper; one of the best for market. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

✓ **Improved Long Orange.**—Deep orange color, long, smooth, most popular for general crop. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

✓ **St. Vallery, or New Intermediate.**—Packet, 5c. ¼ pound, 20c. Pound, 60c.

Cress or Pepper Grass.

Kresse.

Sprinkle seed freely along shallow drills one foot apart, at intervals through Spring and Summer, as desired.

Curled Garden.—Packet, 5c. Ounce, 10c.

WATER CRESS.

Wasserkresse.

It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding.

Packet, 10c. Ounce, 30c.

CORN SALID, OR FETTICUS.

Ackersalat.



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

A vegetable used as a salad. It is sown in the opening of Spring in rows one foot apart, and is fit to use in 6 or 8 weeks from sowing. If wanted in early Spring, sow in September; cover with straw as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the winter. Large Seeded German. ¼ pound, 15c. Pound, 50c.

Celeriac, or Turnip Root Celery.

New Large Smooth.—A new and quite distinct sort, the roots being very smooth, large and round. Roots may be cooked and sliced, and eaten with vinegar. Packet, 5c. Ounce, 15c. ¼ pound, 40c.

Special Prices on any one kind of seed in large quantities.

P. MANN & CO., WASHINGTON, D. C.

CELERY. —(SELLERIE.)

1 ounce to 1,000 plants. 10 to 15 ounces to the acre.

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. Make the soil very rich with well-rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots.

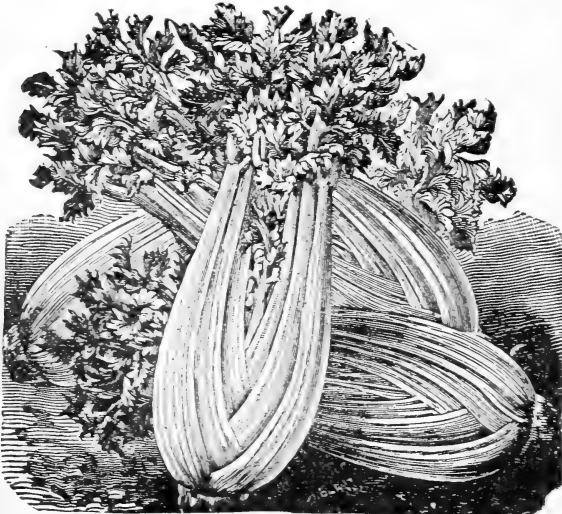
Boston Market.—Short and bushy, making a solid bunch. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50.

Improved White Plume.—An early self-blanching variety, very popular for fall and early winter use. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

Dwarf Golden Heart.—Very solid and excellent keeper and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50.

Giant Pascal.—A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

Evans' Triumph Celery.—This splendid new variety originated in Canada, and grows a very strong and vigorous plant, with large, very white, crisp, brittle, tender short, broad stalks.



DWARF GOLDEN HEART.



NEW GOLDEN SELF-BLANCHING.

It is very late, requiring the whole season to develop, but will keep splendidly all winter. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

Golden Self-Blanching.—This is the best Celery for early use. This variety is now the leading sort in all markets as an early Celery. The stalks are much broader and heavier than those of the White Plume, and greatly superior in quality. It is ready for use nearly as early producing dwarfier and much larger bunches of broad, heavy stalks, blanching to a deep golden yellow. Packet, 10c. Ounce, 30c. $\frac{1}{4}$ pound, \$1.00. Pound, \$3.50.

The Schumacher.—It is of immense size, very solid and crisp, with light green foliage and golden yellow solid heart. But its finest feature is that it will keep in splendid condition all through the winter and in the spring. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound 50c. Pound, \$1.50.

Winter Queen Celery.—Is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of a delicious, nutty flavor. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.25.

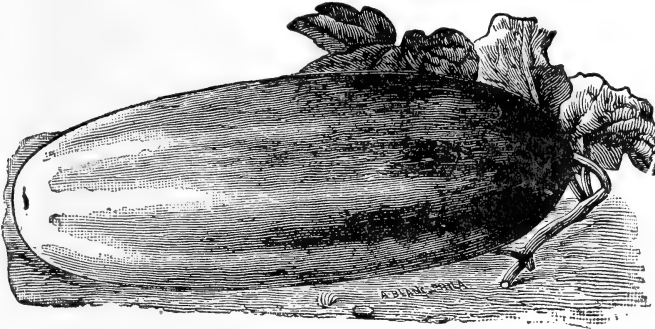
CAULIFLOWER.

One ounce produces about 3,500 plants.

Early Snowball.—Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for the open ground; a sure header. $\frac{1}{2}$ packet, 15c. Packet, 25c. Ounce, \$2.50.

SEEDS AND IMPLEMENTS

CUCUMBER.



Improved Early White Spine or Arlington.—A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very dark-green color, so that the variety is considered by many to be the best for small pickles. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 65c.

Thorburn's Everbearing.—Small sized, very early, and enormously productive. Continues long in bearing. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 70c.

London Long Green.—Is the standard late sort, quite crisp and of good size; it is not so early as the Spine, but is more desirable for a late crop. Ounce, 10c. $\frac{1}{4}$ pound 20c. Pound, 70c.

Perfected Jersey Pickle.—New and fine. The best pickle. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, 90c.

Gerkin or Burr.—Used only for pickling. Packet, 5c. Ounce, 20c.

The Davis Perfect Cucumber.—As a forcing Cucumber the Davis Perfect has no equal. Its excellent eating qualities, shape, color and productiveness place it without a rival. As a

GURKE.

oz. to 50 hills. 1 to 2 lbs. to an acre.

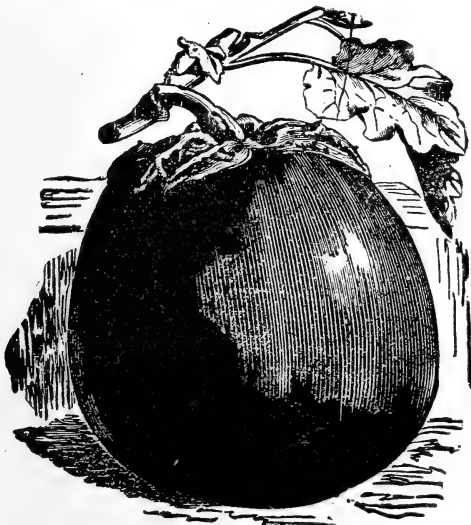
CULTURE.—For growth of cucumbers hills are raised, standing five feet apart. Quite rich, sandy soil is best. If necessary enrich the hills with a mixture of sandy soil and strong rotten manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as the young plants are often destroyed by bugs.

Soon as the plants attain vigor, thin them, leaving the three most promising; if practicable water during the drought, keep soil loose and free from weeds.

cucumber for growing outside it has proven to be a big money maker. Packet, 10c. Ounce, 25c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.



New Davis Perfect Cucumber.



BLACK BEAUTY EGG PLANT.

EGG PLANT.

(EIERFRUCHT.)

1 oz. will produce 1,000 plants,

Sow in March in hot bed, and transplant when two inches high into a second hot bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three 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.

New York Improved Purple.—Oval shape, thornless; dark purple color and rich flavor. Packet, 10c. Ounce, 25c. $\frac{1}{4}$ pound, 75c. Pound, \$2.50.

Black Beauty Egg Plant.—An extra-early variety that recommends itself to all growers. The New Black Beauty combines in itself many characteristics which are very valuable in this vegetable. In the first place, it is very early; in fact the earliest good market variety. By this we mean it is the earliest variety that grows to a good size suitable for market purposes. Then, again, it is very desirable in color, being a jet black, much the color of the Black Pekin. Packet, 10c. Ounce, 40c. $\frac{1}{4}$ pound, \$1.00. Pound, \$3.50.

P. MANN & CO., WASHINGTON, D. C.

SWEET OR SUGAR CORN. MAIZE ZUCKER.

PREMO SWEET CORN.—Earlier Than Dwarf Extra Early Adams.

(Crop Short, prices on application.)

No corn was ever introduced that gave such general satisfaction as PREMIO. It is acknowledged by expert corn growers to be the earliest pure Sweet Corn under culture. Notwithstanding the extreme unfavorable growing conditions this season Premio produced a good yield. It not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. Premio can be planted fully as early as the Adams, for the young plants withstand slight frost, while other varieties are tender and the seed will rot if planted before the soil becomes warm. The stalks grow about five feet high, and are very vigorous, generally bearing two well developed ears to the stalk.

MARKET GARDENERS WILL DO WELL TO TRY THIS SPLENDID VARIETY.

Adams' Extra Early.—The hardiest and earliest variety for the table use. It can be planted earlier than any other, but it is not a sweet corn; white, indented grains and short ears.

Early Adams.—Similar to Extra Early Adams; larger but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes.

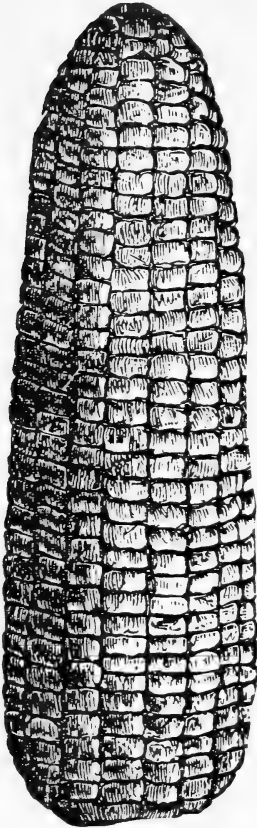
Early Champion.—This is a comparatively new variety, only having been on the market for a few years, and has proved to be a valuable early variety. It is medium early in ripening, and produces large ears, generally having about twelve rows of beautiful white, milky grains, which are very tender and sweet.

Stablers' Extra Early.—A new variety, of larger size than usual for the early kinds. It is remarkable for sweetness and earliness. A desirable canning variety.

Country Gentleman.—A new corn of merit and desirable for family use. The grains are irregular, compact and sweet.

Stowell's Evergreen.—See illustration engraved from a photograph of an ear of our improved strain. The seed which we offer is free from glaze and flint, and has been grown completely isolated from all other varieties. For canning purposes the Improved Stowell's Evergreen Sweet Corn will prove most satisfactory; its large ears, with long, slender grains, make the most salable canned corn.

Mammoth Late.—This produces the largest ear of any, a single ear sometimes weighing two or three pounds. It ripens a little later than the Evergreen, with larger cobs, the kernels being flatter, not horse-tooth shape.



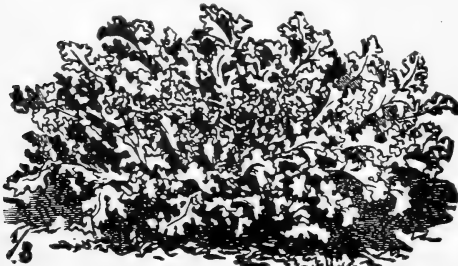
Stowell's Evergreen.

ENDIVE.

1 oz. to 200 ft. of drill. 3 lbs. to an acre.

CULTURE.—June or July select a bed of good soil, drill fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds and hoe liberally.

Extra Green Curled.—It is the best. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.25.



FINE GREEN CURLED ENDIVE.

KOHL RABI.—(Kohl Rabi.)

1 ounce to 200 feet of drill. $1\frac{1}{2}$ lbs. to an acre.

CULTURE.—Sow in April in rows eighteen inches apart, thinning out to eight inches between plants.

Early White Vienna.—This forms a bulb above ground, and its flavor mingles the peculiarities of the cabbage and turnip. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

KALE OR BORECOLE.

$1\frac{1}{2}$ to 2 pounds to an acre.

CULTURE.—Sow in drills or broadcast, in the fall or spring. It will mature without further attention unless weeds get the start, when the latter must be removed and the earth loosened.

Curled German.—Curly, dwarf, hardy and a rapid grower. Packet, 5c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

SEEDS AND IMPLEMENTS

LETTUCE.—German, Lattich Salat.

1 oz. to 3,000 plants. 3 lbs. to an acre.

CULTURE.—Sow in hot-beds or the open ground during April and May for summer supply. Plants may be grown on a temporary bed and transplanted; or the seed may be sown where the lettuce is to mature. For a permanent bed, select rich, light soil, spade deeply, incorporate manure and lay off in drills two feet apart.

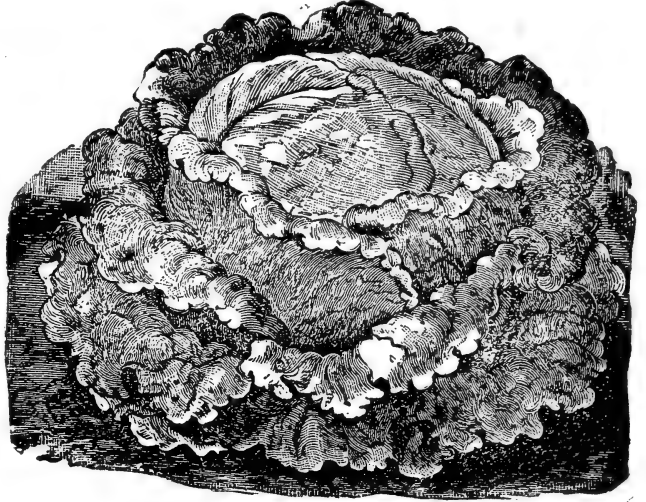
May King.—A very early new variety, forming fine heads within a few weeks after planting. It is medium sized, light green, with buttery but, crisp heads. There is just a faint tint of brown on the head. Packet, 5c. Oz., 15c. $\frac{1}{4}$ lb., 40c. Lb., \$1.50.

Prize Head.—One of the very best loose-bunching or non-heading varieties. Leaves brown, very curly, and of remarkable fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce in cultivation. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 40c. Pound, \$1.00.

Tennis Ball, Black Seeded.—A favorite forcing variety, forming a large head. It makes but few outer leaves, and for this reason can be planted quite closely under glass. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 25c. Pound, 85c.

Deacon Lettuce.—Large solid, long standing summer lettuce. Heads light green in color, and very pleasing to the eye. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 25c. Pound, 85c.

Hubbard Market.—A large heading variety,



BIG BOSTON LETTUCE.

good for either forcing or sowing in open ground. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

Early Curled Simpson Lettuce.—Heads are a yellowish green, are compact mass of curly leaves, very tender. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

Golden Queen.—Popular for forcing. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

California Cream Butter Lettuce.—Outside leaves are of medium green color, and inside is folded a solid head of rich, creamy yellow color. It is considered by the growers one of the best in cultivation. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

Improved Big Boston Lettuce.—Identical in color, shape and general appearance as the Boston Market Lettuce, but double in size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort, desirable either for cold frames or open ground planting. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

Salamander—B. S.—Compact, tender heads, resisting summer heat. Ounce, 15c. $\frac{1}{4}$ pound, 25c. Pound, 85c.

Boston Market, or Tennis Ball.—This variety is used specially for green house and hot-bed culture, because it can be planted very close. It grows very compact, fair size, heads slightly tinged with red on edge of leaves. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 25c. Pound, 85c.

Oak Leafed.—This differs from all other varieties in the fact of its having oak-shaped leaves, which are very tender and crisp, one of the best to withstand the summer heat. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.00.

Trianon Cos.—A self-bleaching Cos Lettuce of excellent flavor, very crisp and tender. The leaves when bleached are stiff, like celery stalks, and can be eaten in the same manner. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

LEEK.—LAUCH.



Broad London, or Large American Flag.—Best American-grown seed. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.25.

P. MANN & CO., WASHINGTON, D. C.

MUSKMELON.—Zucker Melone.



ACME OR BALTIMORE CANTALOUPE.

Acme or Baltimore Cantaloupe.—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and never bursts open at blossom end. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

Extra Early Hackensack.—It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

Rocky Ford Netted Gem.—Our stock is specially grown for us in the famous Rocky Ford melon district, and is a particularly valuable strain for shippers. It is uniform in size, thickly netted, distinctly ribbed, firm-fleshed and of most delicious flavor. Package, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 25c. Pound, 75c.

Emerald Gem.—Medium size nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Packets, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

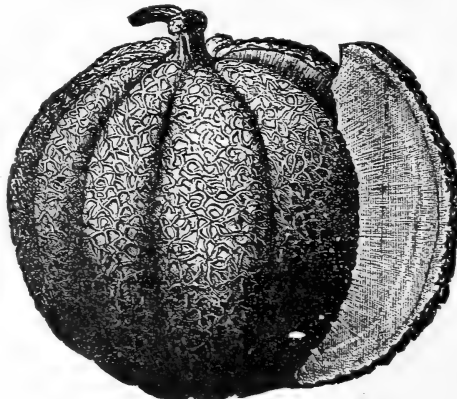
Champion Market.—Fruit large, round or oval, with shallow depressions and covered with dense netting. Flesh green, very thick and sweet. This variety will suit those who like a large, sweet, green fleshed sort. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

The Paul Rose, or Petoskey.—It is a cross between the Osage and Netted Gem, and combines the best features of the originals. The fruit is oval, medium size, dark exterior, thickly netted; with rich salmon flesh, so thick as to nearly close the seed cavity. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

Early Jenny Lind.—Fruit small, somewhat flattened, deeply ribbed; flesh green and exceedingly sweet. It ripens early and on account of its size is particularly good for hotel use. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.

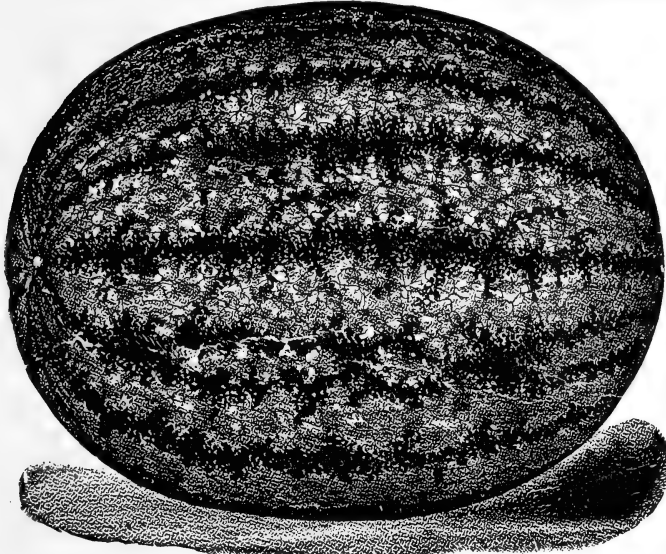
Tip Top.—For splendid eating qualities this melon is certainly rightly named, for it is one of the most delicious flavored and finest table melons in existence. It grows to a

large size; has thick orange flesh and is sweet, juicy and of the finest flavor, even close to the rind. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 30c. Pound, \$1.00.



EXTRA EARLY HACKENSACK.

SEEDS AND IMPLEMENTS



Watermelon

Wassermelone.

CULTURE.—Plant in hills six or eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

Cuban Queen.—The skin is beautifully striped, dark and light green, The flesh is bright red, remarkably firm, luscious, and the rind is quite thin for so large a melon. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

- Kolb Gem.**—Very large; flesh red, a good shipping sort. Very popular.....
- Sweet Heart.**—Oval form; mottled light green skin; red flesh.....
- Duke Jones.**—A famous new Southern melon, introduced in 1895.....
- Florida Favorite.**—An oblong melon of fine flavor.....
- New Triumph Watermelon.**—This new melon, as a market sort and for shipment, is the best ever introduced.....
- The Boss.**—A fine, oblong melon; of small size; good flavor.....
- Halbert Honey.**—The strong points in favor of this new Watermelon are its superb flavor, sweetness, tenderness and fine table qualities.....
- Striped Gypsy, or Georgia Rattlesnake.**—A large, oblong melon.....
- Kleckley's Sweets, or Monte Cristo.**—This is one of the earliest melons in our list to ripen, and is also one of the sweetest and best flavored.....

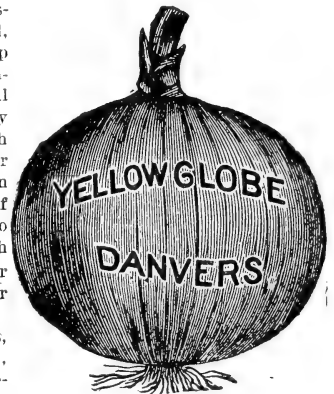
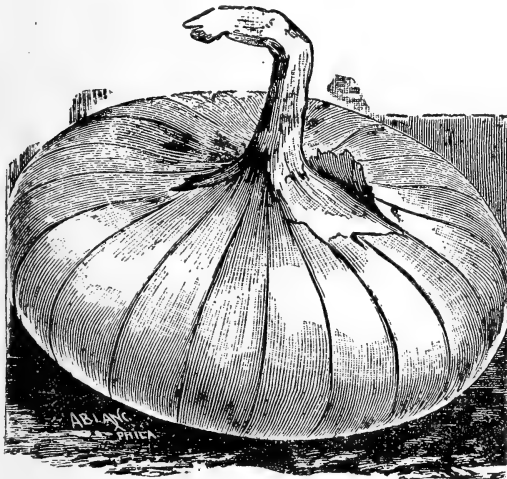
	Per oz.	¼ lb.	Per lb
Kolb Gem.....	\$0 10	\$0 15	\$0 50
Sweet Heart.....	10	15	50
Duke Jones.....	10	15	50
Florida Favorite.....	10	15	50
New Triumph Watermelon.....	10	15	50
The Boss.....	10	15	50
Halbert Honey.....	10	25	75
Striped Gypsy, or Georgia Rattlesnake.....	10	20	60
Kleckley's Sweets, or Monte Cristo.....	10	20	60

Each of the above Watermelons, 5 cents per package.

ONION SEED. Zwiebel.

Onion seeds should be sown as early as it is possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil deeply dug and lightly rolled. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of about twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

To raise large onions, select a bed of rich soil, work it deeply and add decayed manure plentifully.



White Silver Skin or Portugal.—The leading sort of white onion. Skin is of a beautiful, clear white color; flavor mild and a most excellent keeper. Packet, 5c. Ounce, 25c. ¼ pound, 90c. Pound, \$3.00.

Red Wethersfield.—The best-known and most widely-used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard, and an excellent keeper, as well as a heavy cropper. The color is a bright purplish-red. Packet, 5c. Ounce, 25c. ¼ pound, 75c. Pound, \$2.75.

Yellow Globe Danvers.—The popular yellow globe onion for market and shipping purposes. Is almost ball-shaped, but a trifle flattened at both ends. It is a heavy cropper, and a good, firm, hard-fleshed variety. Packet, 5c. Ounce, 25c. ¼ pound, 90c. Pound, \$3.00.

Prizetaker.—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. This variety is often sown in beds and transplanted to open ground. Packet, 5c. Ounce, 25c. 4 Ounces, 75c. Pound, \$2.50.

P. MANN & CO., WASHINGTON, D. C.

ONION SETS.

Yellow Danvers and White Silver Skin at Lowest Market Prices.

ONION SETS.

Three quarts will plant 100 yards of row; 10 bushels will plant an acre.

PRICES SUBJECT TO CHANGE.

Onion sets, both rare-ripes and tops, are placed on the surface, in shallow twelve-inch drills, about four inches apart, and lightly covered. Potato onions are planted in spring or fall, as they will survive the winter. By this process early onions may be obtained several weeks earlier than from seed.

WHITE ONION SETS, Per qt. 15c.

YELLOW ONION SETS, Per qt. 15c.

For sets in quantity, get special quotations, as prices vary during the season of planting.

OKRA, OK GOMBO.

SAFRAM—QUIMBOMBO—OTHRO.

Select warm, rich soil and plant in rows two feet apart, thinning plants a foot apart in rows. The pods are used to thicken soups, being gathered young. Okra is preserved for winter use by slicing the pods into rings and drying them upon strings hung up and exposed to the air.

White Velvet.—Pods round, smooth, free from seams, very prolific. Price per packet, 5c. Per ounce, 10c. Per pound, 50c.

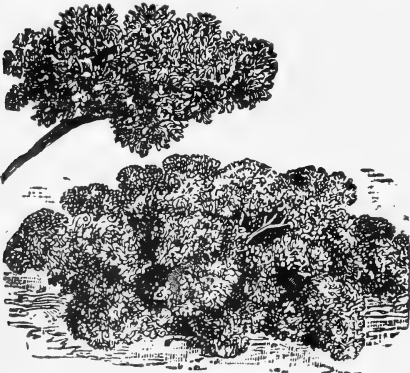
Dwarf Green Prolific, or Density.—A very dwarf and prolific variety. Pods green, smooth and thickly set. Price per packet, 5c. Per ounce, 10c. Per pound, 50c.

PARSLEY.

(Petersilie.)

1 oz. to 150 feet of drill.

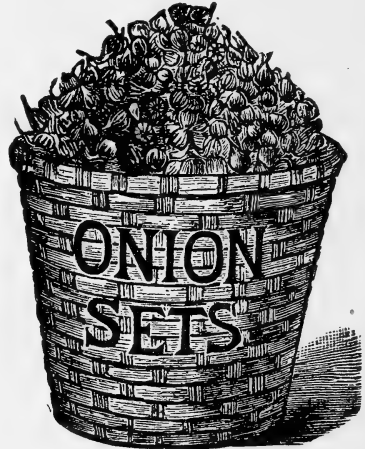
Sow in rows 1 foot apart and 1 inch apart. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.



Extra Dark Moss Curled.—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich extra dark coloring. Very productive, and most attractive as a garnish, both on account of this deep-green coloring and fine mossy appearance. Packet, 5c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

Fine Double Curled.—Plants of dwarf, compact growth, and the young leaves have the edges heavily crimped, being of quite moss-like appearance. Packet, 5c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

CHOICE GROWN ONION SETS.



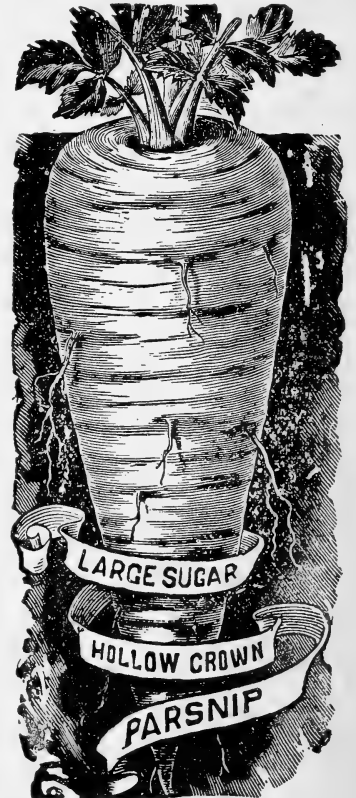
PARSNIPS.

(Pastinake.)

1 oz. to 150 feet of drill.

Sow as early in the spring as the weather will permit in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to six inches apart in the rows to creep. 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. Packet, 5c. $\frac{1}{4}$ pound, 15c. Pound, 50c.



SEEDS AND IMPLEMENTS

PEPPER.

ONE OUNCE WILL PRODUCE
ABOUT 2000 PLANTS.

CULTURE.—Sow in hot-bed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart, or when all danger of frost is past, sow in open ground and thin.

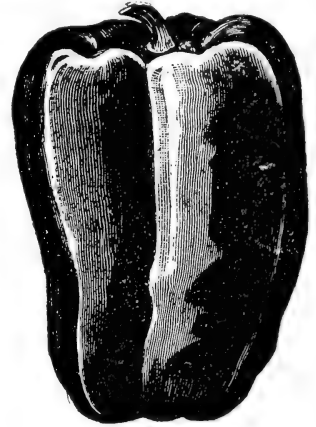
Chinese Giant.—The largest and finest mild Red Pepper; double the size of Ruby King. Packet, 10c. Ounce, 35c. $\frac{1}{4}$ pound, \$1.00.

Ruby King.—Ideal Pepper for filling and pepper-hash. Each plant produces from 6 to 12 hand some large, mild fruits.....

Large Bell, or Bull Nose.—Early, large, red, mild.
Long Red Cayenne......

Oz.	$\frac{1}{4}$ lb.	Lb.
\$0 20	\$0 60	\$2 00
20	60	2 00
20	60	2 00

Large Packets of any variety of Pepper, 5cts. each.



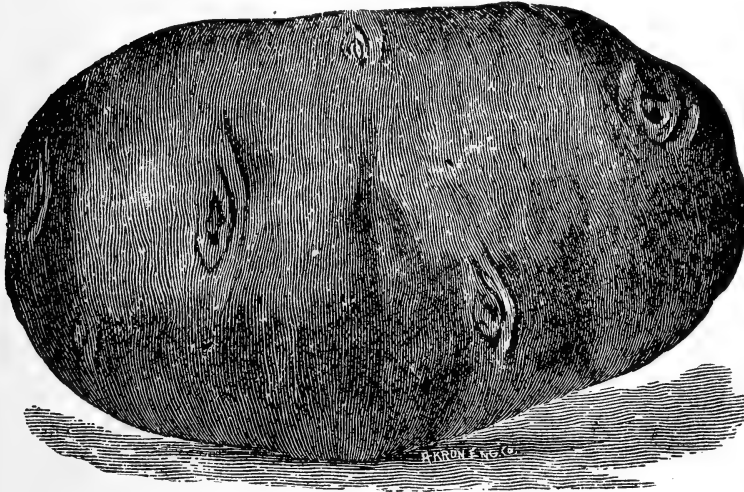
Ruby King.

SELECTED SEED POTATOES

Aroostook Grown

The potatoes we offer are carefully selected by experienced and reliable growers in the most favorable locations of the North. They can be depended upon as being strictly first-class and true to name.

Special prices will be given on application.



Early Cobbler (Irish Cobler).—One of the most reliable first early potatoes ever sent out. It ripens almost with the Early Ohio, and so uniform that every hill seems to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground.

Extra Early Bovee.—A most desirable new Potato introduced several years ago has become very popular. Reported 12 days earlier than Early Ohio, and is the earliest Potato we know of. The best Potato of the Early Hebron type. Vines dwarf and stocky; tubers have pink skin and are smooth, handsome and of fine quality. Heavy producer.

Early Rose.—For a generation the standard Potato of the whole country for earlies, yield, thrift, beauty and table qualities, because it always succeeds well in any soil in any climate and in any latitude; too well known to need description. Our stock is strictly pure.

Early Beauty of Hebron.—For many years a standard variety, nearly as early as the Early Rose, but exceeds this variety in productiveness, and of fine table qualities.

XX Early.—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fertilizer, yields well; is free from blight; potatoes come to eatable size very early and eat well. Rose color, but more oval in form; good for the farm or market garden. Stock limited.

New Queen.—A Seedling of the Beauty of Hebron, and resembles it; large, smooth and vigorous grower, of splendid table qualities, very productive.

Early Northern.—Originated in Aroostook, introduced in 1892. A seedling of the Early Rose, which it much resembles in appearance; earlier than Early Rose and more prolific. Table qualities unexcelled, very hardy.

Green Mountain.—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

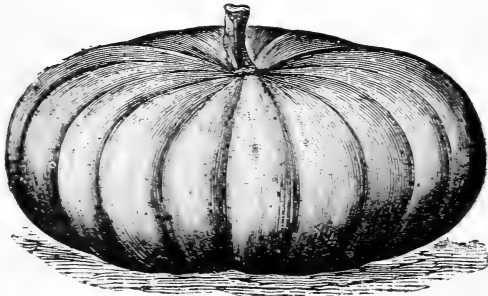
NEW JERSEY GROWN SEED SWEET POTATOES.

Prices quoted on Application.

P. MANN & CO., WASHINGTON, D. C.

PUMPKIN

One Pound will plant from
200 to 300 hills.



LARGE CHEESE PUMPKIN.

Large Connecticut Field.—Hardest of all Pumpkins, good for pies and stock feeding. $\frac{1}{4}$ pound, 10c. Pound, 30c. Quart, 25c.

PEAS.

On account of the very short crop in some varieties of Peas prices are subject to change without notice.

Peas mature early in a light, rich soil. For a general crop, a rich deep loam or inclining to clay would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows, 1 inch apart and 3 to 5 inches deep, the depth depending on time of sowing, nature of soil, as well as variety. Rows should be from $2\frac{1}{2}$ to $3\frac{1}{4}$ feet apart, according to variety and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is struck in between the rows. Common sowing early varieties as early as the ground can be worked in the Spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth hard sorts, and if planted early should have dry soil and not planted deep or they are liable to rot in the ground; they are, however the sweetest and best flavored varieties. *One quart sows 80 feet of drill; two or three bushels to the acre.*

(PEAS.—Erbesen.)

Extra Early Alaska.—The earliest blue pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height two feet. Quart, 25c.

First and Best.—It is very profitable for the gardener and shipper because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. Quart, 20c.

Allan's Maud S.—Undoubtedly the most popular early pea for market gardeners yet produced. Seed round, light cream color, slightly dented; height $2\frac{1}{2}$ feet. Quart, 25c.

CULTURE.—The common practice is to drop two or three seeds into every third or fourth hill in the corn-field; may be sown in hills, eight feet apart each way, four plants to each hill.

Cashaw, or Crookneck.—Large, light cream color, solid and sweet, very fine grained, splendid for table or feeding stock. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 75c.

Large Cheese.—A good cooking variety, cheese shape, creamy yellow color, flesh fine grained, and one of the best for pies. Price per packet, 5c. Per ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

Japanese Pie.—Crooked-neck variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.



EXTRA EARLY ALASKA.

Nott's Excelsior Pea.—The best and sweetest early Dwarf Wrinkled Pea. Robust and vigorous in growth, producing in profusion long, handsome pods. Seed green, wrinkled. Height 12 inches. Price per quart, 30c.

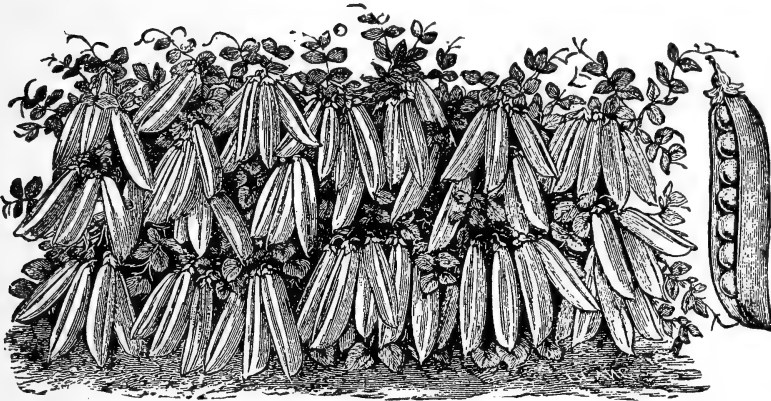
American Wonder.—This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good sized and well filled pods of the finest flavor. Dry peas, medium size, wrinkled and flattened, pale green. Requires liberal fertilizing. Quart, 30c.

(For larger quantities, prices given on application.)

SEEDS AND IMPLEMENTS

PEAS.—CONTINUED.

WRINKLED VARIETIES.



PREMIUM GEM PEAS.

Premium Gem.—This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing to a height of from twelve to fifteen inches, and bearing an immense crop of pods, which are larger and invariably well filled with peas of best quality. Quart, 30c.

Gradus (Prosperity).—Probably the best extra early pea yet introduced. Only two or three days later than Alaska, and a wrinkled pea of excellent quality. Quart, 30c.

Thomas Laxton. An extra large podded variety.—The plant is a very hardy and strong grower, producing the large size pods in abundance; quality is delicious and cannot be surpassed. The "Thomas Laxton" will mature nearly as early as the smooth varieties and being a wrinkled sort is much sweeter. Pods very dark green. Quart, 30c.

Carter's Telephone.—A luscious wrinkled pea-pod, large size, and peas excellent quality, an enormous cropper, grows four feet high. Quart, 30c.

Horsford's Market-Garden.—A first-class wrinkled pea; second early; height 24 inches. Does not require stakes. Is profitable sort for market gardeners; a single plant has been known to produce 150 pods. It is equally good for the home table. The pods are borne in pairs, and are easily and quickly picked. Quart, 30c.

Bliss' Abundance.—A wrinkled medium early pea of excellent quality; of branching habit and about two feet high. Pods of good length and well filled. Quart, 30c.

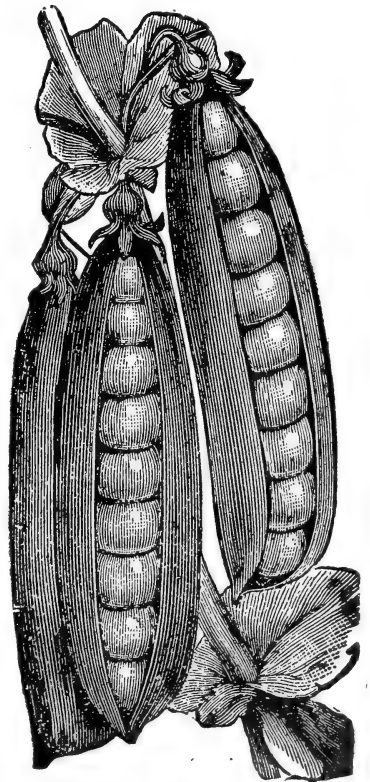
Champion of England.—Wrinkled.—A green wrinkled variety, famous for its delicious flavor. Consider it one of the finest varieties for family use, and will follow any of the second early varieties in ripening. Quart, 20c.

Improved Stratagem.—A favorite with Market Gardeners for a general crop pea, strong vines, immense pods, large peas, heavy cropper, true stock. Vines are strong, vigorous and covered with immense pods, many of the pods measuring nearly five and a half inches in length, and containing as high as ten large, fine-flavored, wrinkled peas. Quart, 30c.

Dwarf White Marrowfat.—Height three and a half to four feet. Peas large, standard variety. Quart, 15c.

Black Eye Marrowfat.—Quart, 15c.

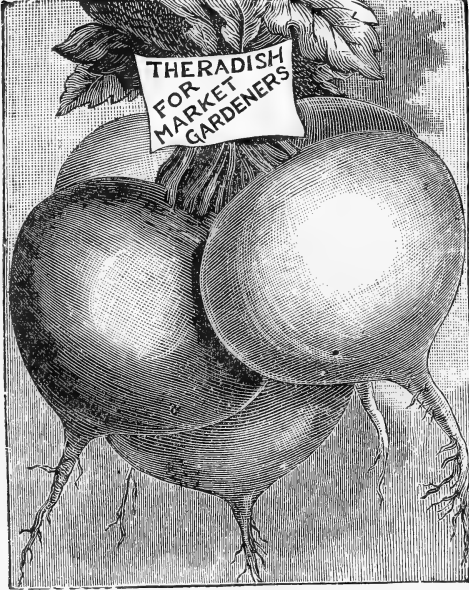
(For larger quantities, prices given on application.)



TELEPHONE.

P. MANN & CO., WASHINGTON, D. C.

RADISH—Rettig.



PHILADELPHIA WHITE BOX.

One ounce will sow 100 feet of drill, 9 pounds will sow an acre.

CULTURE.—Select light sandy soil; spade deeply and manure well. For early crop, sow in hot-beds in February or March. For main crop, sow at intervals from early spring until last of September, in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few weeks' growth.

Early Varieties.

Philadelphia White Box.—Has a very small top, color white, turnip shape, equally valuable for growing under glass or in open ground. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

Vick's Scarlet Globe.—Very early for forcing; globe form and beautiful. Try it in your hot-beds. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

Early Scarlet Turnip (White Tipped).—Early; fine grain and flavor; round with white tip. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Early Scarlet Turnip.—Small, round, mild and crisp, a standard early sort. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Deep Scarlet Turnip.—Very early and a good forcing variety. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Early Long Scarlet.—Short tops, long, deep scarlet roots, fine flavor. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

French Breakfast.—A quick growing, oval-shaped radish, light color and white tip. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Brightest Long Scarlet.—This is an improvement of the old time scarlet, being somewhat thicker and not quite so long; color bright scarlet, white tip, is very early, mild flavored, fine for forcing or out-door planting. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Long White Vienna or Lady Finger.—This in shape resembles the long scarlet; color snow white; it is of very rapid growth, and remarkably crisp, brittle and tender. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

White Strasburg.—Large white radish, which stands summer heat, handsome shape and pure white color. (See cut.) Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

New Chartier.—The color at top is crimson running into pink at middle, and thence downward to pure waxy white. It will attain a very large size before it becomes unfit for use. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 50c.

Chinese Winter Rose.—Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 60c.

Round Black Spanish Winter.—Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 60c.

Long Black Spanish.—Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 15c. Pound, 60c.



WHITE STRASBURG RADISH.

SEEDS AND IMPLEMENTS

RHUBARB, or Pie Plant.

Every Home Garden Should Contain Them. Now is the Time to Plant.

Very familiarly known as the Pie Plant. The foot stalk is the portion that is used, and is the first vegetable of the season from the garden. Sow the seed early in the spring, in rows 1 foot apart, on rich ground; the second year after planting they can be removed, in autumn, to the permanent spot allotted to them; plant the roots 2 feet apart each way, in ground that is well enriched, at least 2 feet deep. Packet, 10c. Ounce, 20c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50. Roots, \$1.00 per dozen; \$5.00 per hundred.

Spinach.

For spring use sow early in drills 1 foot apart, and for succession sow every two weeks. As it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in ground well manured; mulch with straw on approach of severe cold weather. One ounce of seed for 100 feet of drill; 10 pounds for an acre.

Long Standing.—The best for spring sowing, because it will stand longer before running to seed than any other variety. $\frac{1}{4}$ pound, 10c. Pound, 25c.

Bloomsdale Savoy.—Well known and popular with market gardeners. The best and most profitable. Very curly. $\frac{1}{4}$ pound, 10c. Pound, 25c. 10 pounds or over, 20c.

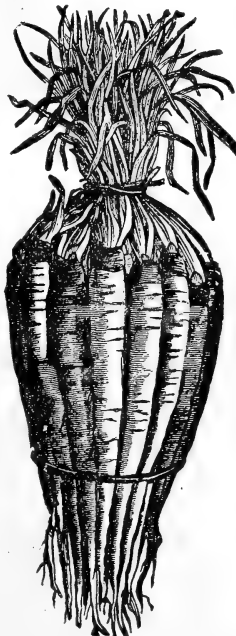
Price on spinach seed in larger quantities will be given on application.

Salsify. Vegetable Oyster.

5 to 8 pounds to an acre.

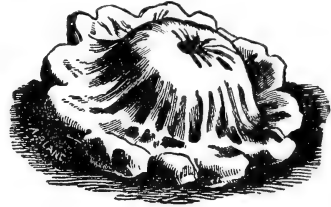
CULTURE.—Sow early in spring in drills fifteen inches apart; cover with fine soil one and a half inches deep; thin to six inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.

Sandwich Island Mammoth.—A new and improved Salsify. Roots are very large and superior; grown extensively for our large city markets; much superior to other sorts. (See cut.) Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 35c. Pound, \$1.25.



Squash.

(Kurbis.)



Early White Bush Squash.

Bush sorts, 1 ounce for 50 hills. Running varieties, 3 to 4 pounds, in hills for an acre.

CULTURE.—After the weather is settled and warm, plant in hills five to eight feet apart. Rich soil is best, but if necessary the hills alone may be enriched.

Early White Bush Scalloped, or Patty Pan.—The best for early market use. Preferred for table. (See cut.) Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

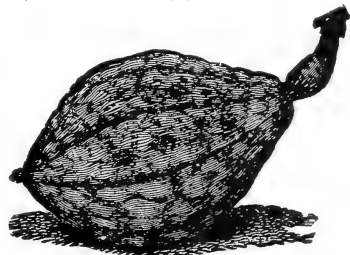
Summer Crookneck.—Early, fine flavor; a desirable table sort. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 50c.

Early Prolific, or Orange Marrow.—The earliest of the fall or early winter varieties.—There is no variety for fall and winter that can compete with this in earliness and productiveness, the two most important features for the market gardener; while its attractive color—brilliant orange-red—good cooking and keeping qualities make it popular with the consumer. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 25c. Pound, 90c.

Boston Marrow.—A splendid winter squash of good keeping qualities. Flesh bright orange; fine grain and flavor unsurpassed. It is oval-shaped and thin skin of bright orange color. Packet, 5c. Oz., 10c. $\frac{1}{4}$ lb., 20c. Pound, 60c.

Hubbard.—A desirable sort, suitable for winter use. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 20c. Pound, 60c.

Chicago Warty Hubbard.—Grows larger than the old variety, darker green and covered with warty knots. Packet, 5c. Ounce, 10c. $\frac{1}{4}$ pound, 25c. Pound, 90c.



Boston Marrow Squash.

P. MANN & CO., WASHINGTON, D. C.

TOMATO.—LIEBESAPFEL.

One ounce will produce about 1,200 plants; quarter pound to transplant for an acre.

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seed in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold frame, or removed into small pots, allowing a single plant to a 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 thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market.

EXTRA EARLY VARIETIES.

Chalk's Early Jewell.—An extremely early variety of brightest scarlet color, deep fruited, very hardy and solid, with few seeds and of excellent flavor. The popular early variety. Packet, 10c. Ounce, 25c. $\frac{1}{4}$ pound, 75c. Pound, \$2.50.

Earliana.—The earliest large Tomato.—Is not only remarkable in earliness, but for its very large uniform size, handsome shape, red color and wonderful productiveness. Packet, 10c. Ounce, 25c. $\frac{1}{4}$ pound, 75c. Pound, \$2.50.

Acme.—One of the earliest and best purple sorts; of medium size, perfectly smooth, very solid and a great bearer, crimson color with pinkish cast. Packet, 5c. Ounce, 15c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

"JUNE PINK" TOMATO.

A New Pink Variety, as Early as Spark's Earliana.—In habit of growth this is similar to the Earliana. The plant is compact, branching freely; has fruits hanging in clusters. Claimed to be as good a yielder as Spark's Earliana and shows no tendency to blight. They are of medium size, uniform, smooth, without cracks or any green core. The skin is reasonably tough, so that it is excellent for shipping purposes. In color is a pleasing pink, and the quality is of the very best. Per pkt., 10c.; oz., 50c.

FOR GENERAL CROP.

Trophy.—Very large, solid and generally smooth; selected strain. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 60c. Pound, \$2.00.

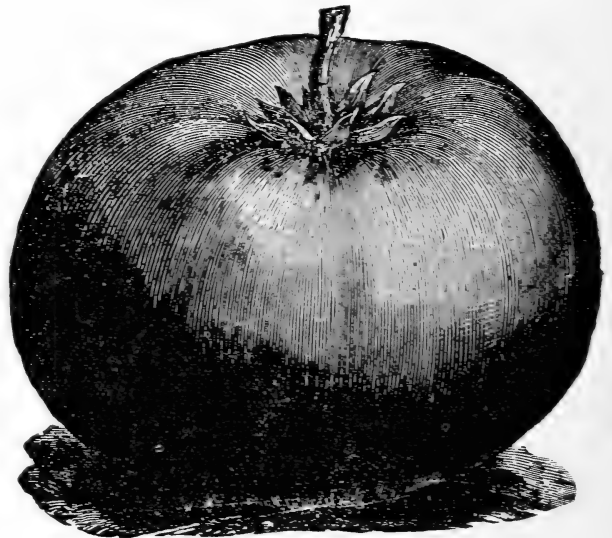
Prizetaker.—A splendid marketable tomato. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.50.

Dwarf Champion.—This tomato is dwarf and compact in growth, the plants growing stiff and upright, with thick jointed stems and foliage unlike any other tomato. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 60c. Pound, \$2.00.

Trucker's Favorite.—The best of all main crop, purple colored tomatoes. It is one of the largest tomatoes grown, and is most regular in shape and size. Color purplish-red, very solid, firm flesh, a good keeper, and not subject to rot or crack on the vines. Packet, 5c. Ounce, 30c. $\frac{1}{4}$ pound, 75c. Pound, \$2.50.



Livingston's Beauty Tomato.—The finest, large-fruited, early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson, with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$1.75.



PRIZE-TAKER TOMATO.

Market Gardeners Write for Special Price List.

SEEDS AND IMPLEMENTS

TOMATO.—Continued.

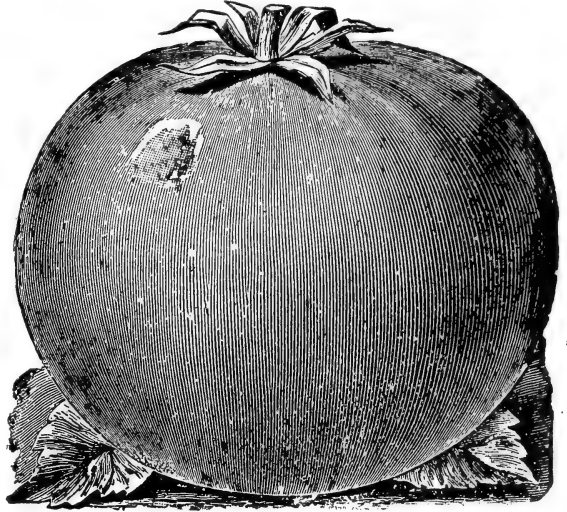
New Stone.—This variety has obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 40c. Pound, \$1.50.

Ponderosa.—It is the largest fruited deep colored Tomato known, of fine quality, solid, almost seedless and free from acid. The vines are strong, rather open growth; fruits largely oblong in form and deep through. Packet, 5c. Ounce, 25c. $\frac{1}{4}$ pound, 75c. Pound, \$3.00.

Matchless.—One of the best main crop Tomatoes. The solidity, absence of core, size and color of the fruit, together with its freedom from rot, all unite in making this well worthy of the name of "Matchless." Fine both for private and market garden and canning. Packet, 5c. Ounce, 20c. $\frac{1}{4}$ pound, 50c. Pound, \$2.00.

Pear-Shaped Yellow Tomato.—Handsome bright, pear-shaped, yellow fruit. Packet, 5c. Ounce, 25c. $\frac{1}{4}$ pound, 75c.

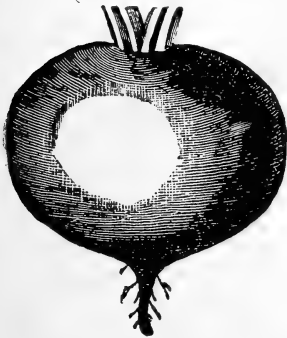
Plum-Shaped Yellow Tomato.—Round and regular; bright yellow; used for pickling. Packet, 5c. Ounce, 25c. $\frac{1}{4}$ pound, 75c.



NEW STONE TOMATO.

TURNIP.

For early crop sow in latter part of April; for fall and main crop from middle of June until last of August. One pound is sufficient to sow an acre.



Purple Top Globe.

among truckers and gardeners. Ounce, 5c. Pound, 40c.

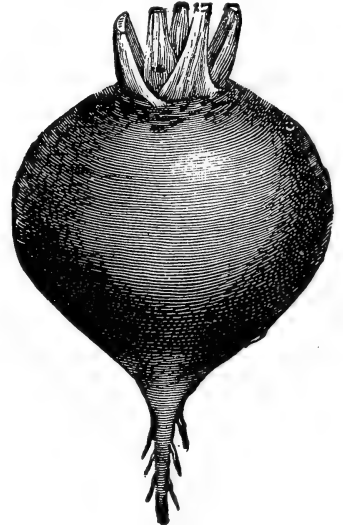
Amber Globe.—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock. Ounce, 5c. Pound, 40c.

Yellow Aberdeen.—Hardy, good keeping turnip; yellow flesh and very productive. Ounce, 5c. Pound, 40c.

Purple Top Strap Leaf.—A rapid growing white, flat, strap leaf turnip, with purple top; mild flavor, and very popular for early use and general crop. Oz., 5c. Lb., 40c.

Purple Top White Globe.—A standard white variety, with purple top, handsome globe-shaped, and heavy cropper; leading turnip

Improved American Purple-Top Ruta-Baga.—Very hardy and productive; flesh yellow, solid and sweet; good for table use or stock. Ounce, 5c. Pound, 40c.



Rutabaga or Swede.

NOTICE

The greatest care is taken to supply every article true to name, and of the very best quality; at the same time it is understood that we do not warrant our seeds and that we are not in any respect responsible for any loss or damage arising from any failure thereof.

P. MANN & CO., WASHINGTON, D. C.

Sweet, Pot, and Medicinal Herbs.

These herbs are all of easy cultivation. Sow the seed as early in May as practical in shallow drills about 15 inches apart, thin out when two or three inches high: Generally speaking, it is best to cut the herbs when in flower.

	Pkt.	Oz.	Lb.		Pkt.	Oz.	Lb.
Anise	\$0.05	\$0.10	\$0.60	Majoram, Sweet .....	.05		.15
Balm .....	.05			Rosemary .....	.05		.30
Basil, Sweet .....	.05	.15		Sage .....	.05		.20
Caraway .....	.05	.10		Savory, Summer .....	.05		.20
Coriander .....	.05	.10		Savory, Winter .....	.05		.20
Dill .....	.05	.10		Sorrel, Broad-leaved .....	.05		.15
Fennel, Sweet .....	.05	.10		Thyme, Broad-leaved .....	.05		.30
Lavender .....	.05	.20					

SELECTED HIGH-GRADE FLOWER SEEDS

NEW AND DESIRABLE VARIETIES.

Put up nicely in Illustrated Papers, explaining Culture, etc.

SUMMER FLOWERING BULBS.

CALADIUM, OR ELEPHANT EARS.

GLADIOLA AND TUBEROSE BULBS.

DAHLIA, CANNA AND MADEIRA VINE ROOTS.

SWEET PEAS.

Eckford's Fine Mixed.—This is a splendid mixture, which includes nearly all of the best varieties. Packet, 5c. $\frac{1}{4}$ pound, 15c. Pound, 40c.

NASTURTIUM (TROPAEOLUM)

Dwarf and Climbing

Pckt., 5c. Ounce, 10c. Lb., \$1.00

GRAFTING WAX.

The finest quality made, put up in neat packages with directions for use. 30c. per pound. $\frac{1}{2}$ pound packages, 15c. $\frac{1}{4}$ pound packages, 10c. By mail, 15c. per pound extra.

SEEDS AND IMPLEMENTS

HIGH-CLASS FARM SEEDS.

Prices of Farm Seeds Subject to Change Without Notice. Special Prices can often be made on Large Quantities.

Fancy Kentucky Blue Grass.—(*Poa Pratensis*.)—Valuable for lawns when mixed with other varieties, retaining its verdure in the hottest weather. Extra heavy cleaned seed. Sow (if alone) 40 pounds per acre; weight per bushel, 14 pounds.

Orchard Grass.—Perennial. Height, 3 feet. It blossoms about the same time as Red Clover, making it, on that account, a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, and its power of enduring the cropping of cattle commend it as one of the very best pasture grasses. Sow 35 pounds to the acre; weight per bushel, 14 pounds.

Red Top, or Herd's Grass.—Perennial. Height, 1 to 2 feet. Valuable either for lawn mixtures, mixing in hay, or permanent pasture grasses; is common throughout the country; succeeds almost everywhere, but reaches its highest stage of perfection in a moist, rich soil, in which it attains a height of 2 to 2½ feet. Sow (if alone) 45 pounds per acre; weight per bushel, 14 pounds.

Fancy Red Top Seed.—Weight about 32 pounds per bushel. Sow 10 to 12 lbs. per acre.

Red Clover Medium.—The common variety, used with other grasses for either pasture or meadow.

Red Clover—Mammoth, or Pea Vine.—Grows 5 or 6 feet high, with large, coarse stalks, and is largely used for plowing under for manure.

Crimson, or Scarlet Clover.—This is a variety in common use in the South for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe, cold, freezing weather. In warm climates, four or five cuttings are made during the season. It grows about 1 foot high, blossoms long, pointed, and of a very deep red or carmine color. Makes good hay.

MILLET.

Golden, or German.—This is a valuable forage plant, and yields very heavy crops; grows from 2 to 4 feet high, heads single and similar to Hungarian, though large and with bright yellow oval seeds.

BUCKWHEAT.

Japanese.—The straw is heavier, it branches more, and does not need to be sown as thickly as the other kinds.

Timothy.—A well-known grass, and on some soils it will produce a larger crop than any other variety. We carry a large stock of this seed, which is graded as "Prime," "Strictly Prime," and "Choice."

Aliske, or Hybrid Clover.—Even clover-sick lands will produce a good crop of this; perennial and very hardy. It is very valuable both for pasturing and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Sow in spring or fall; 6 pounds to an acre.

Alfalfa, or Lucerne.—One of the best varieties, succeeding in almost every situation. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down full three feet into the earth. Sow in the spring to secure a good stand before winter. If to be used for pasturage or curing, sow 15 to 20 pounds per acre.

SORGHUM, or SUGAR CANE.

Early Orange.—Valuable for green fodder; of large, heavy growth, but later than Amber.

Early Amber.—Productive and nutritious forage plant, yielding several cuttings in a season. Earlier and smaller than Orange; may be grown in Northern States.

BEANS.—Velvet.—Used in the South as a forage plant, and for turning under as a fertilizer. The vines are relished by stock, and the Beans are useful for feed when ground and mixed with oats, or when used alone. Plant thinly in rows 4 feet apart.

Soja.—A valuable fodder crop, either fed green or as ensilage.

PEAS.—Canada Field.—Valuable for sowing with oats for green fodder; also excellent for feeding to pigeons, etc.

Cow.—Adapted to southern localities; also valuable in this latitude as a fodder plant, sheep being very fond of them when in flower; their chief value, however, is as a green crop to plow under. 1½ bushes to the acre.

New Era.—Said to be the best variety, whether for northern, western or southern planting. They mature early, are upright in growth and enormously productive. The seed being small, only half the usual quantity is needed per acre.

Clay.—A favorite variety. Prolific in yield of peas and vine.

Black.—Very prolific, and earlier than other sorts. Valuable as a forage crop.

Whippoorwill.—Early, and a favorite in the North and West.

FIELD CORN.—Feld Korn.

Golden Beauty.—A large, broad grained yellow corn, with ears of perfect shape and very small cob. The richness of color and quality of the grain makes it a very superior variety. Ear well filled and very productive.

SEED WHEAT, RYE AND OATS.

P. MANN & CO., WASHINGTON, D. C.

INSECT DESTROYERS, Etc.



5 pounds, 25c. 10 pounds, 50c.

CONCENTRATED CALIFORNIA WASH. (Lime, Sulphur, and Salt.)

This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San Jose Scale, Oyster Shell Scale, etc.

Concentrated; ready for use by adding 20 to 40 Gallons Hot Water to each Gallon of Mixture. Price—Gallon, \$1.00; 1 Quart, 35cts.

BORDEAUX MIXTURE.

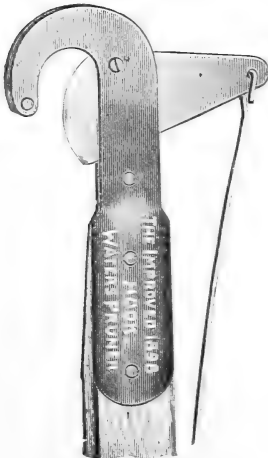
Ready for use by simply adding water.

One pound, 20 cents, makes five gallons spray; 6 pounds, \$1.00, makes 30 gallons spray.

WHALE OIL SOAP.

Makes an elegant wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

One pound, 15 cts. Large quantities at special prices.



WATERS' TREE PRUNERS.

Waters' Tree Pruner is the only pruning implement which requires no skill in sharpening.

It is least liable to get out of order.

It will last a life-time.

- 4 feet long...\$.75
- 6 feet long... .85
- 8 feet long... 1.00
- 10 feet long... 1.10
- 12 feet long... 1.25

Extra knives, 20cts.

BUG DEATH.



Directions for Using in Water.

Add 12½ pounds to 80 gallons water, and mix thoroughly.

- 1-lb. pkge. 15c
- 3-lb. pkge. 35c
- 5-lb. pkge. 50c
- 12½-lb. pkge. \$1.00
- 100 lbs. 7.00

Add 17c per lb. for postage.

Perfection Shaker, 65cts., for applying Bug Death to potato vines.

Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897,
and Jan. 25, 1900.

Bug Death is a patented, non-poisonous powder and is entirely different from anything that has ever been placed on the market, and overcomes all the objections to the deadly poisons that the farmers have been obliged to use in the past.

Hellebore, Powdered.—An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—one ounce to 3 gallons. 2 lb. box, 35c.; 1 lb. box, 20c.; ½ lb. box, 12c.

PARIS GREEN.

In any quantity at lowest prices.

(KILFLY.)



SO-BOS-SO (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. If your animals are troubled with lice, use So-Bos-So (Kilfly). Spray your poultry house with So-Bos-So (Kilfly). It kills lice, or any vermin that may infest the fowls. Put up in one-gallon cans. Price85c. per gallon.

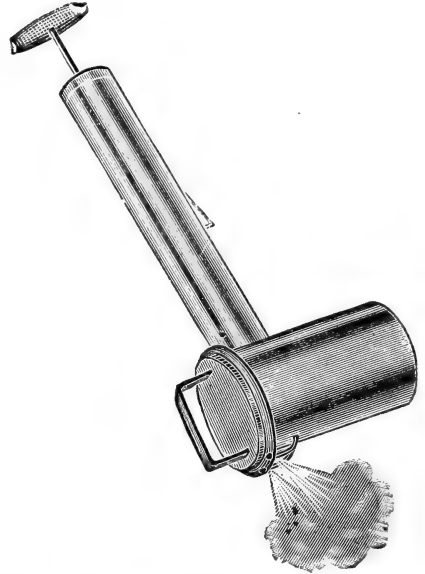
No. 1 UNIVERSAL SPRAYER.—Price, 50c

SEEDS AND IMPLEMENTS

SPRAY PUMPS, ETC.

**No. 1 Universal Sprayers,
50 Cents.**

These Sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. They are particularly recommended for spraying all kinds of plants, bushes, vines, trees, interior of henneries, and also for spraying horses and cattle to keep off the flies.

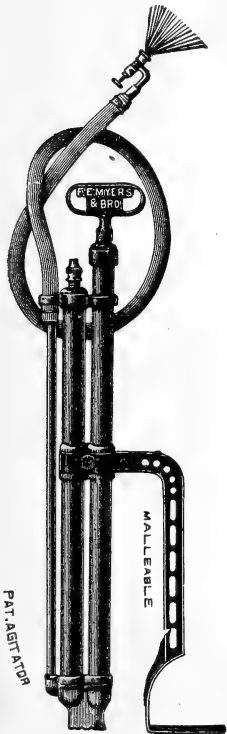


**The Myers
Imperial Brass Spray Pump.**

This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines, and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in the proper position.

For spraying it is so arranged as to discharge a fine jet in the bottom of bucket to keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only, and a very necessary feature to a spray pump.

Price, with 3-ft. Rubber Hose.....\$3.50
Price, with 8-ft. Extension Pipe.....\$4.00



COMET SPRAYING PUMP.

It is double acting and throws a continuous stream fifty to sixty feet. Each Comet Pump is furnished with 2 feet of 2-ply cloth insertion hose, one plain nozzle and one each flat and spoon spraying attachment.

For spraying plants, vines and flowers, washing windows and carriages, sprinkling lawns and gardens, applying liquid poisons or fertilizers and white washing poultry roosts and outhouses this outfit is all that is required and will do same work as other makes of sprayers costing \$5.00 to \$6.00.

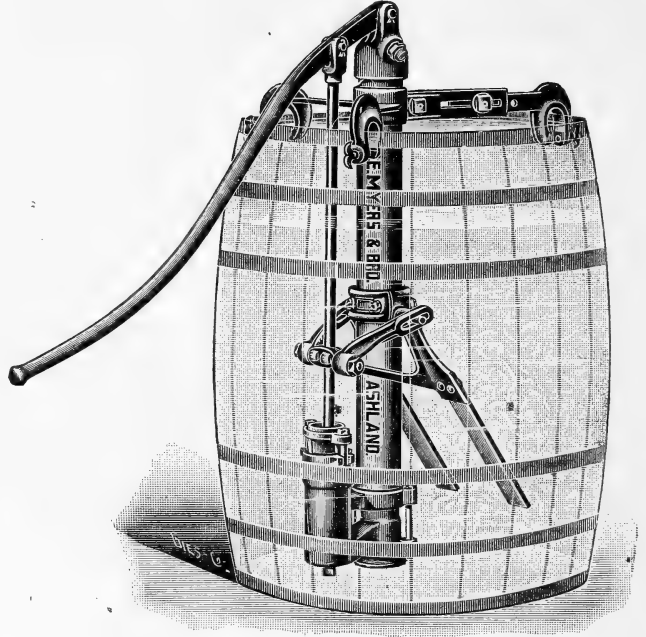
Price, No. 1.....\$2.25
Price, No. 1½..... 3.00
Price, No. 2..... 3.50

P. MANN & CO., WASHINGTON, D. C.

Fig. 1119 illustrates the new Myers O. K. Spray Pump, adapted to be used in connection with an ordinary barrel. One of the special features of this pump is a clamping device, by means of which it is attached to the top of the barrel.

The Myers O. K. Spray Pump.

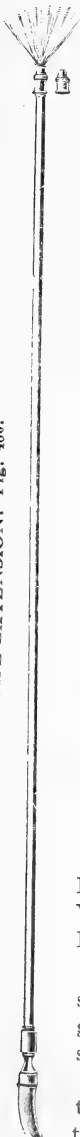
Fig. 1119.



PRICE LIST. Represented by Fig. 1119.

No. 307, Myers O. K. Spray Pump, as shown in Fig 1119 (without barrel).
Price\$20.00

Myers Spray Nozzles



PIPE EXTENSION. Fig. 480.

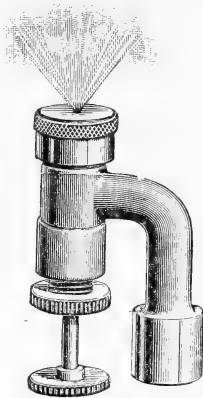


Fig. 763.

Graduating Vermorel Nozzle

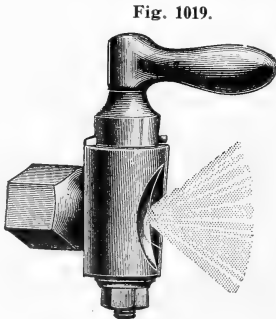


Fig. 1019.

Bordeaux.

Bordeaux Nozzle..... 75c
Vermorel Nozzle..... 75c
Extension Pipe..... 60c

Fig. 547 represents the Myers Knapsack Spray Pump. The tank holds 5 gallons, and is fitted with lid and strainer, which can be removed.

We wish to call attention to the fact that this is the only knapsack outfit on the market with an agitator.

The Myers Knapsack Spray Pump.

Fig. 547.

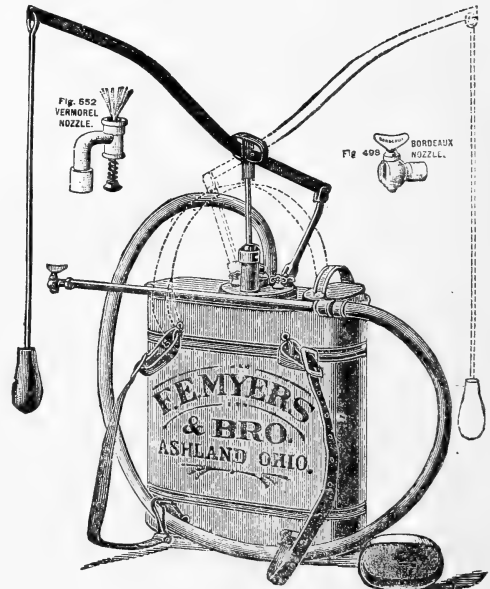


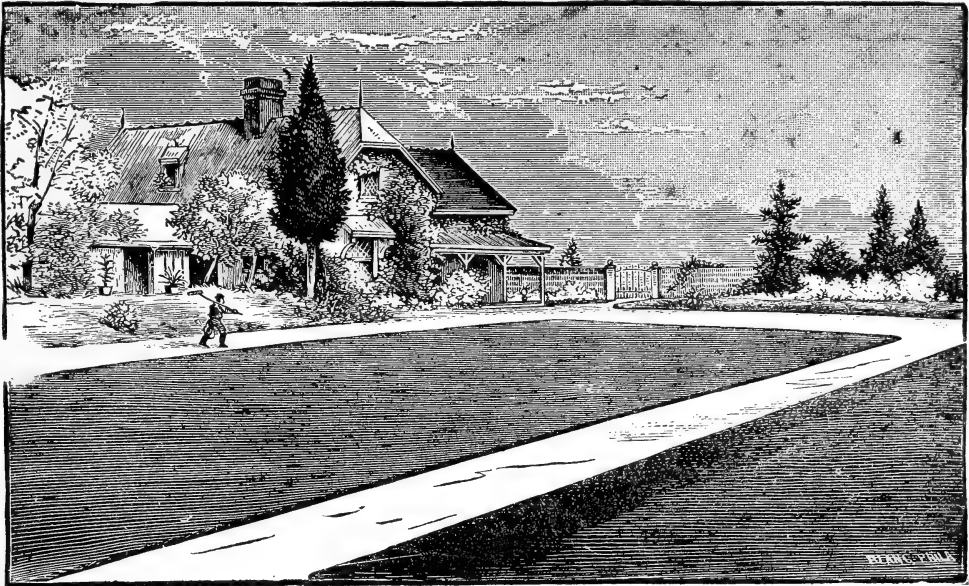
Fig. 652
VERMOREL
NOZZLE.

Fig. 409
BORDEAUX
NOZZLE.

No. 330, the Myers Galvanized Knapsack Spray Pump, fitted with 5 feet of 1/2 inch hose, pipe extension and Bordeaux or graduating Vermorel spray nozzle, which can be graduated from a fine mist spray to a solid stream, or shut off entirely. Price.....\$10.00
Any other nozzle furnished with these pumps when ordered.

SEEDS AND IMPLEMENTS

We are Headquarters for Grass Seeds



MANN'S CAPITOL CITY LAWN GRASS SEED

Our mixture of Grass Seeds for Lawns, Parks, Tennis and Cricket grounds is composed of the finest varieties of grasses, each of which has its season of beauty, and the result of this blending is the producing of a sod that is not only always evergreen and velvety in appearance, but of the color and beauty of the emerald.

These seeds should be covered very slightly and a roller run over the ground after sowing. Pt. 10c. Qt. 20c. Lb. 25c. Pk. 75c. Bu. (of 14 lbs.) \$3.00.

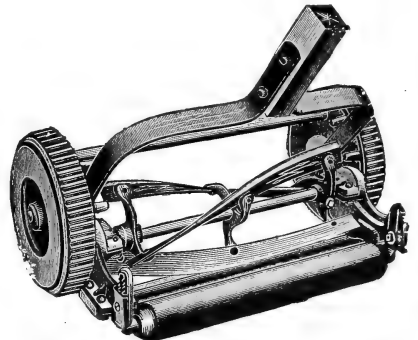
LAWN FERTILIZERS

Old and New Lawns Require Stimulating, after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this purpose our high grade bone meal is best adapted to the wants of the lawn: It should be sown broadcast, from the middle of February to the first of May for spring and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. 10 lbs. sow enough for 250 square feet. 10 lbs. 30c., 100 lbs. \$2.50.

UNIVERSAL LAWN MOWER.

This is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money.

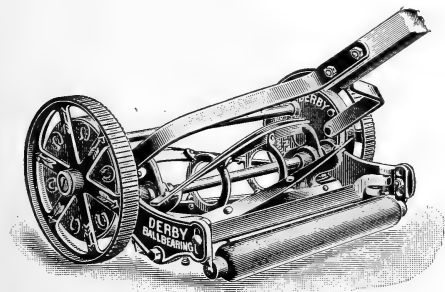
- Price, 10 inch cut, 7 inch wheel..... \$2.50
- Price, 12 inch cut, 7 inch wheel..... 3.00
- Price, 14 inch cut, 7 inch wheel..... 3.25
- Price, 16 inch cut, 7 inch wheel..... 3.50



DERBY BALL-BEARING HIGH WHEEL LAWN MOWER.

The increased height of the wheels is made to meet the popular demand for a wheel larger than the regulation size at the lowest possible cost. It has open cylinder, cast-steel hardened and tempered cutting knives, improved ratchet and good adjustment.

- 14 inch..... \$6.00
- 16 inch..... 6.50
- 18 inch..... 7.00



P. MANN & CO., WASHINGTON, D. C.

**FERTILIZERS FOR THE FARM,
LAWN and GARDEN.**

We offer our well known brands of fertilizers to the farmers and gardeners for the season of 1908, which we have sold for the past 26 years, and which we have endeavored to keep up to the standard as heretofore, and we solicit a continuance of your orders in this line.

PURE RAW BONE.

Analysis.

Bone Phos. of Lime.....	48 per cent.
Ammonia	5 "

Put up in 200 pound bags, 10 bags to the ton.

POTOMAC AMMONIATED SUPER=PHOSPHATE.

Analysis.

Ammonia	4 per cent.
Available Phosphoric Acid.....	6 "
Potash, K. O.....	2 "

Put up in 167 lb. bags, 12 bags to the ton.

SPECIAL TOBACCO AND CORN FERTILIZER.

ALSO HIGH GRADE

Nitrate of Soda, Muriate of Potash, Ground Fish and Tankage, Dissolved South Carolina Rock, Peruvian Guano and Land Plaster.

PRICES WILL BE GIVEN ON APPLICATION.

**NITRO-CULTURE
VALUE AS SOIL RENOVATOR**

It has been ascertained from the most reliable sources that the average inoculated leguminous crops such as Clover, Alfalfa, Vetch, Peas, Beans, etc., will not only under the proper conditions show an increase of crop, but also that the Bacteria will collect from the air and leave in the soil at the end of the season after the crop is harvested not less than 100 pounds of nitrogen per acre. This nitrogen at present market prices would be worth \$15.00 and upwards per acre, and would show a corresponding increase in the next succeeding crop, no matter what it may be.

PRICE LIST.

Trial Package	\$.50
1-acre Package	1.50
5-acre Package	5.00
20-acre Package	18.00
50-acre Package	40.00

SPECIAL GARDEN PACKAGES.

Sweet Peas.....	\$.25
Garden Beans.....	.25
Garden Peas.....	.25

When ordering, state what particular crop you desire to inoculate.

SEEDS AND IMPLEMENTS

EVERYTHING FOR THE POULTRY YARD.



CLIMAX CONDITION POWDERS FOR STOCK AND POULTRY.

The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also as an excellent medicine for Horses, Cattle, Sheep and Hogs.

13-oz. packages, 25c.; 5-lb. box, \$1.00.

HAVENS' ROUP PILLS.

For the Cure of Roup, Catarrh, Colds and Distemper.

It was formerly the habit of fanciers, farmers and others, whenever roup appeared in a flock, to kill the fowls affected and remove them immediately, to prevent the spread of the disease. The practice is, happily, no longer necessary since the introduction of Havens' Roup Pills. Price, per box, 25c.; by mail, 28c.



TRADE MARK REGISTERED.

PRATT'S FOOD

Will make hens lay all the year, and is excellent for feeding young chicks. 1 1-8-lb. pkg., 25c.; 5-lb. pkg., 60c.; 12-lb. bulk, \$1.25.

Pratt's Food for Horses, 7-lbs., 50c.; 12½-lbs., 75c.

Pratt's Animal Regulator, 25cent package.

Rust's Egg Producer.—This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. 1-lb. package, 25c.; 2½-lb., package, 50c.

Conkey's Poultry Remedies

A Handy Book of Reference Furnished Free.

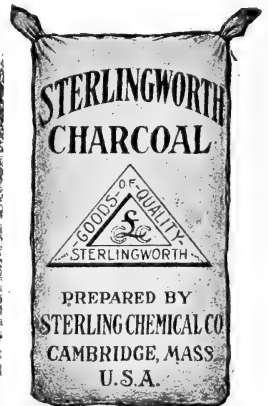
- Beef Scrap, 100-lb. bag, \$3.00; 3c. lb.
- Oyster Shells, 100-lb. bag, 75c.; 1c. lb.
- Crystal Grit, 100-lb. bag, \$1.00; 10 to 15c.
- Crushed Bone, 100-lb. bag, \$2.50; 3c. lb.
- Charcoal, 50-lb. bag, \$1.50; 6c. lb.
- Clover Meal, 50-lb. bag, \$1.25; 6c. lb.

PURINA CHICK FEED.

Composed of choice grains and seeds—more than a dozen kinds, carefully selected—perfectly granulated to precisely the right degree for the youngsters, and screened clean, of all fine stuff. 100-lb. bags, \$2.50; 3c. lb.



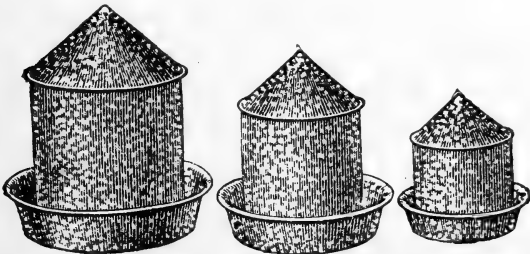
China Nest Eggs 25c. per doz.



GALVANIZED DRINKING FOUNTAIN.

The fountain, or upper part, must be set exactly in the center of the pan, and then there is sufficient room all round for the chicks to drink, but not enough for them to get into the water.

Price, two quart, 30c each; one gallon, 50c. each; two gallon, 75c.



P. MANN & CO., WASHINGTON, D. C.

MANN'S GREEN-BONE CUTTERS.

The feed is both automatic and self-governing and successfully adapts itself automatically to the operators' strength, and the self-governing feed never feeds faster than the operator can cut easily. The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily. Cuts all gristle and meat. Nothing escapes uncut. A bone cutter that successfully cuts all kinds, hard and soft bone, gristle and meat, and will not clog or choke is the cutter to buy.

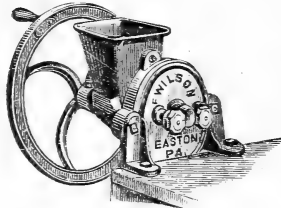
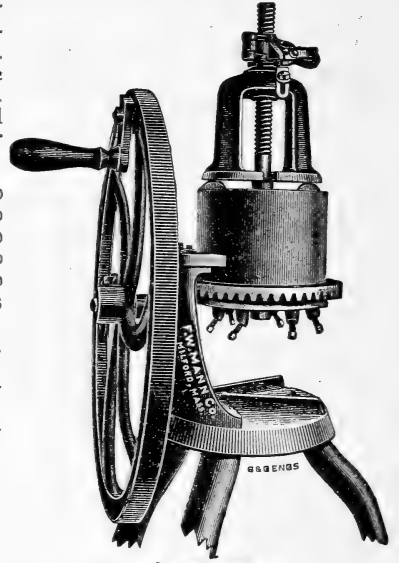
- No. 5 C, with crank handle.....\$6.00
- No. 5 B, with balance wheel..... 8.00
- No. 5 BM, with balance wheel, on iron stand..... 10.40
- No. 7, with balance wheel, on iron stand..... 12.00
- No. 11, power machine 25.00

No. 5 B, same size machine as 5 BM. Same capacity, but has no iron stand.

No. 5 BM, intended for 15 to 25 hens. Mounted on iron stand. Capacity 15 to 20 lbs. an hour.

No. 7, intended for 40 to 100 hens. Capacity 30 to 60 lbs. per hour.

No. 11, intended for large flocks of over 100 fowls. Capacity 100 lbs. per hour.

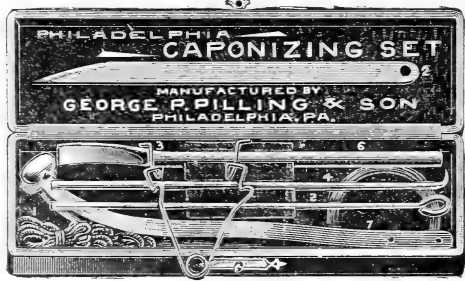


WILSON'S BONE AND SHELL MILL

- No. 1.—Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used. Will also Grind Corn.
- Weight, without stand 33 lbs.\$4.00
- Weight with stand 64 lbs. 7.00

CAPONIZING TOOLS.

Every poultry man knows that Capons are much larger fowls, sweeter and finer meat and sell at a much higher price than others. You can do your own caponizing easily. Book with full instructions sent free with each set of instruments.



Price in Leather Case with Instructions.....\$2.75



The Banner Root Cutter for Poultrymen.



CORN SHELLER.

Original in every feature. Never breaks or fails to do good work. Shells fast. Shells clean. Shells easily. PRICE, \$2.00.

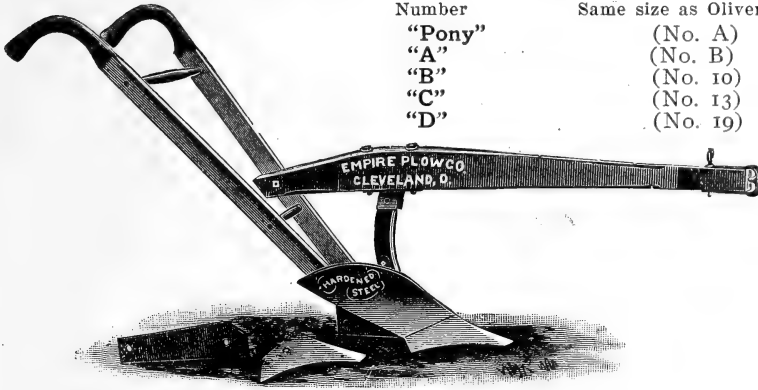
Two sizes for poultrymen and lamb breeders. The Nos. 7 and 26 are made with knife to cut fine—that is, cutting, shredding and preparing roots for feeding poultry and young lambs. The No. 7 Hand Cutter has been out seven years; and thousands of them are in use among Poultrymen. Weight 50 lbs.

- Price: No. 7 Root Cutter.....\$ 5.00
- “ “ 26 “ “ with crank..... 12.00

The Red Chief Corn Sheller..... 1.75

SEEDS AND IMPLEMENTS

Steel King Plows.



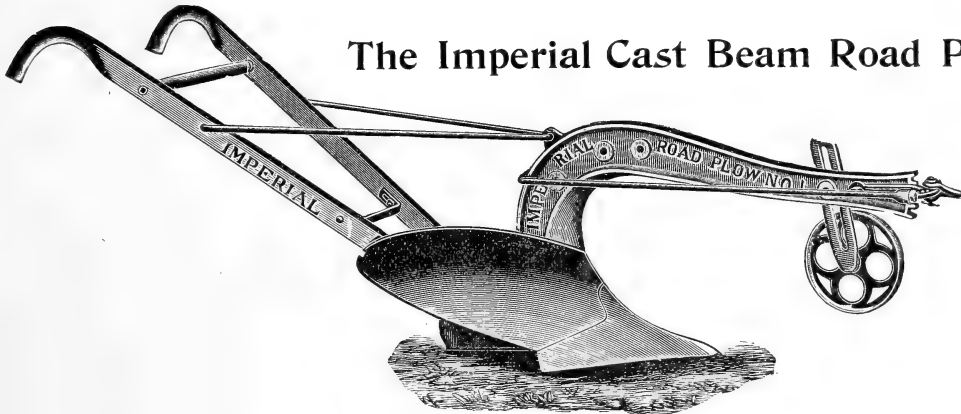
Number	Same size as Oliver Pattern.	Plow.
"Pony"	(No. A)	\$2.75
"A"	(No. B)	3.25
"B"	(No. 10)	4.50
"C"	(No. 13)	5.50
"D"	(No. 19)	6.50

Plows include wrench and one hardened steel share extra.

The base of these plows is made entirely of steel, with hardened steel share. Landside has suction device for regulating in hard ground. The success attending the introduction and sales of these plows the past season enables us to offer them again with confidence. They are well made, nicely finished, and do first-class work.

Contractors and Road Plows.

The Imperial Cast Beam Road Plow.



Represents No. 1. Weight, 171 pounds.

Above cut represents the Imperial Road Plow No. 1, built expressly for heavy work, such as grading streets, roads, etc. It is well braced and strongly made in all its parts.

MOLDBOARD, LANDSIDE and SHARES are Crystallized Iron. Furnished with or without a wheel.

No. 1, Road Plow, Right Hand only, without Wheel	\$14.00
Wheel, complete. extra.....	1.00
Cast Cast-Steel share for this plow.....	2.50
Bar Share, Wrought Steel.....	8.00

We carry in stock a full line of Contractors Plows in all sizes. Prices on application.

Genuine Oliver and Roland Chilled Plows, Farmers Friend Plows, Minor & Horton Plows. Repairs for Imperial and all other Leading Plows.

P. MANN & CO., WASHINGTON, D. C.

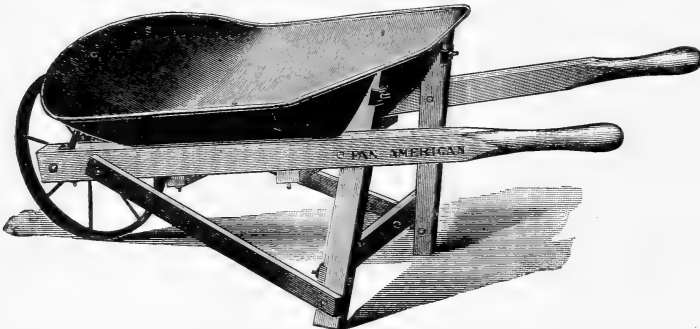
The "Imperial" Wood and Steel Beam Plows.



Imperial Plows are made in all sizes, steel, chilled or combination, from a small pony to a large two or three-horse plow, either right or left-hand. Wood or steel beam, with or without wheel and jointer, knee cutter, fin cutter, rolling cutter; improved to date.

Imperial Hillside Plows in wood or steel beam, all sizes.

Price, No. 10½, Steel Beam.....	\$10.00
Price, No. 12, Steel Beam.....	12.00
Price, No. 1, Road Plow.....	14.00
Wheel extra	1.00

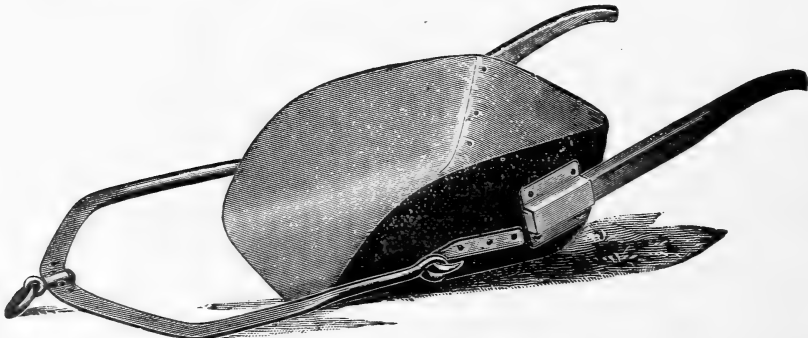


Pan-American Steel Tray Barrow.

One of the strongest barrows made. Full size tray. Put together entirely with bolts.

Price, with 16-inch steel wheel\$3.75

Syracuse Steel Drag Scrapers.



The Syracuse Scrapers are shaped cold from a single sheet of steel, lapped and riveted at the corners. They are uniform in thickness throughout, except at the corners, where they are of double thickness.

	WEIGHT.
No. 0—Capacity, 9 cubic feet of earth;.....	125 lbs.
No. 1—Capacity, 7 cubic feet of earth; made of extra heavy steel plate;.....	105 "
No. 2—Capacity, 5 cubic feet of earth;.....	95 "
No. 3—Capacity, 3 cubic feet of earth; intended for use of single horse;.....	85 "

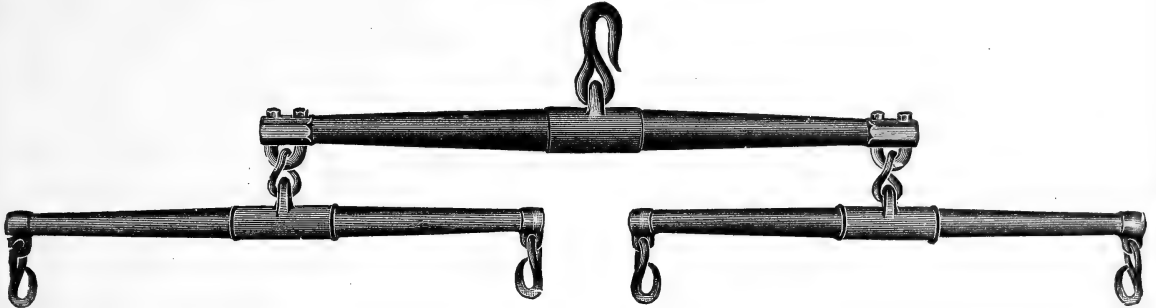
Prices on application.

SEEDS AND IMPLEMENTS

Tubular Steel Plow Doubletrees in Sets.

Center Hooks in Doubletrees, Connecting Links and Trace Hooks are Hand Forged.

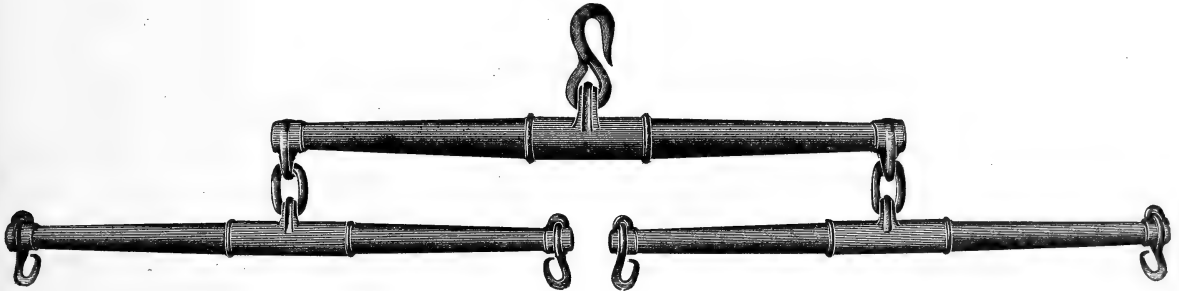
New Pattern No. 105.



Made in three sizes.

	Length of Doubletree.	Length of Singletree.	Price per Set.
No. 0. For light plowing or harrowing	33 inches	28 inches	\$3.50
No. 1. For regular plowing or harrowing	36 " "	30 " "	4.00
No. 2. For extra heavy plowing or grading	36 " "	32 " "	4.50

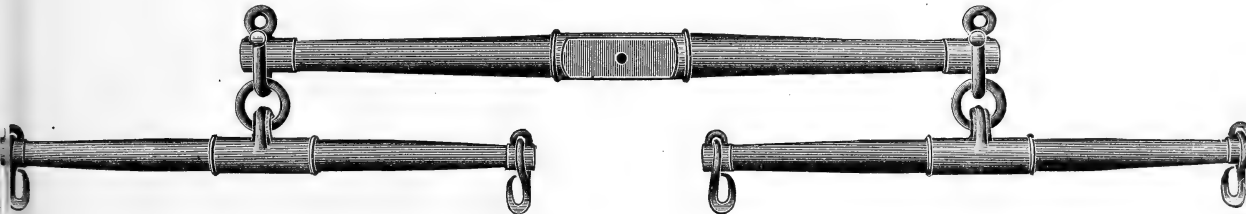
Pattern No. 100.



Made in two sizes.

No. 1.—Evener, 40 inches long.	Singletrees, 33 inches	Price per set \$5.00
No. 2. " 42 " "	" 34 inches	" " 5.50

New Pattern No. 102.



	Carrying Capacity.	Length of Evener and Singletree.	Price per Set.
No. 2. For regular Farm Wagons.	4000 lbs.	46x34 inches.	\$5.00
No. 3. For heavy Freight Wagons.	7000 " "	48x36 " "	5.50

Pattern No. 97.

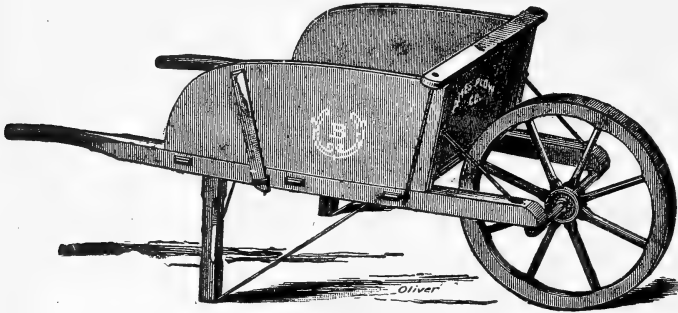
Made in one size only.

No. 3. Evener, 48 inches long.	Whiffletrees, 36 inches.	Price per Set,	\$6.00
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Hickory Single, Double and Triple Trees at Lowest Prices.

P. MANN & CO., WASHINGTON, D. C.

“Beekman” Garden Wheel Barrows.



The No. 4, with our new eight spoke iron hub wheel on steel axle as illustrated.

No. 3, with our new six spoke wheel on steel axle.

Price, No. 2, Boys Medium..\$3.25

“ “ 4, Medium..... 3.50

Ames’ No. 4, Medium..... 4.50

Capitol City Garden and Lawn Rollers.



The benefit derived from the use of a roller on the lawn, especially in the spring, is not fully understood. The action of freezing and thawing causes the ground to heave, and if the sod is not firmly pressed back with a roller before the hot weather begins the grass is apt to be killed or injured, leaving the lawn full of bare spots.

This Roller is a strictly high grade roller at a moderate cost.

No.	Diam. Inches.	Sec-tion.	Weight.	Price.	No.	Diam. Inches.	Sec-tion.	Weight.	Price.
2	15	3	180	\$7 50	8	20	2	245	\$10 00
4	20	1	185	7 50	10	20	3	305	12 00
6	20	1	210	8 00	11	20	3	365	13 50

Cleveland Lawn Weeder.



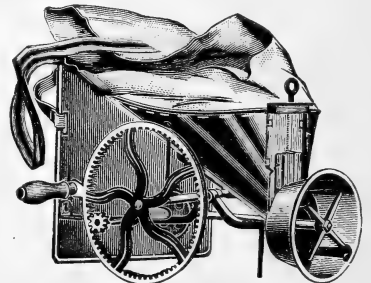
This little device gets at the root of the evil and removes it bodily. Price, 60c.

Pearce’s Improved Cahoon Seed Sower.

For sowing wheat, oats, hemp, barley, rye, buckwheat, grass seed.

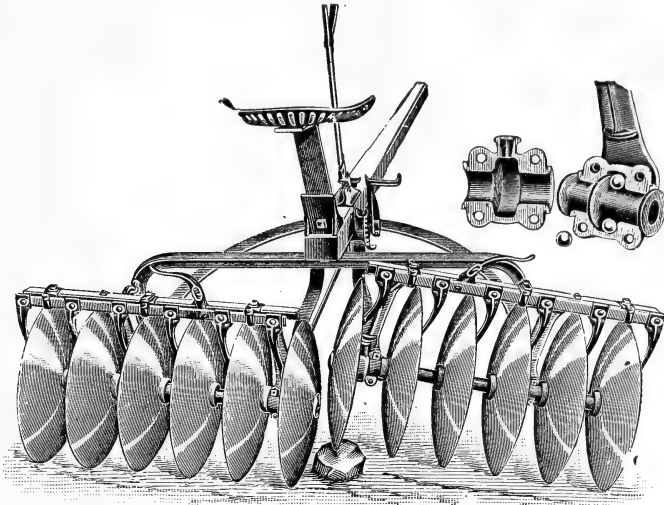
Sows four and five acres per hour with better results than by usual hand sowing, and can be gauged for much or little.

Net Price, each.....\$3.50



SEEDS AND IMPLEMENTS

The Imperial Perfect Disc Harrow.



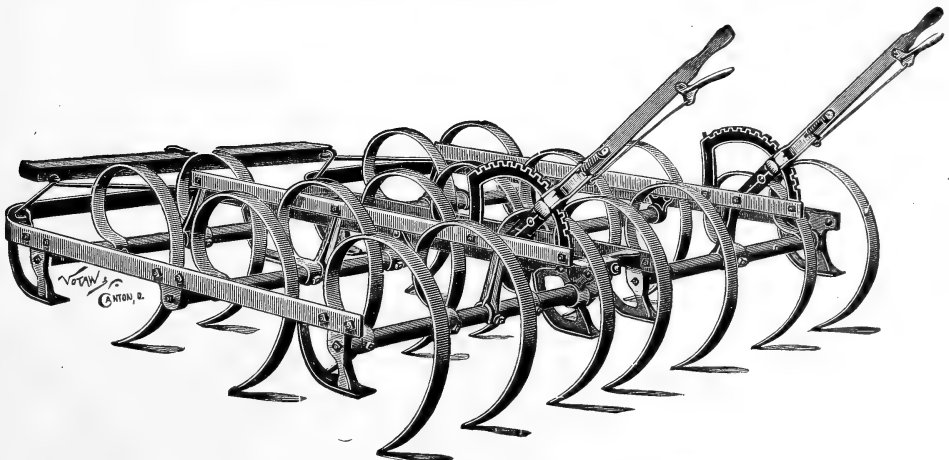
The above illustration represents a rear view of the Perfect Disc Harrow. In constructing this Harrow we have kept in mind the following requirements: Strength, simplicity and utility. The frame is made of two flat, steel bars securely bolted together, making a most rigid construction. The Disc Gang Frames are made of angle bars bolted securely to the top of the standards. The pressure bars are adjustable, bolted to the main frame, and rest directly on top of the Gang Frame.

Disc.	Inches.	Cut.	Weight.	Price.
8	16	4 ft.	280 lbs.	\$22 00
10	16	5 ft.	305 lbs.	23 00
12	16	6 ft.	340 lbs.	25 00
14	16	7 ft.	372 lbs.	28 00
16	16	8 ft.	412 lbs.	30 00

With Neck Yoke and Evener.

Special discount for cash.

Imperial Spring Tooth Lever Harrow.



All Steel' Frame; teeth of finest spring steel, frame elevated on runners or wheels; prevents accumulation of trash; fitted with plain or self-sharpening teeth or reversible, renewable point teeth.

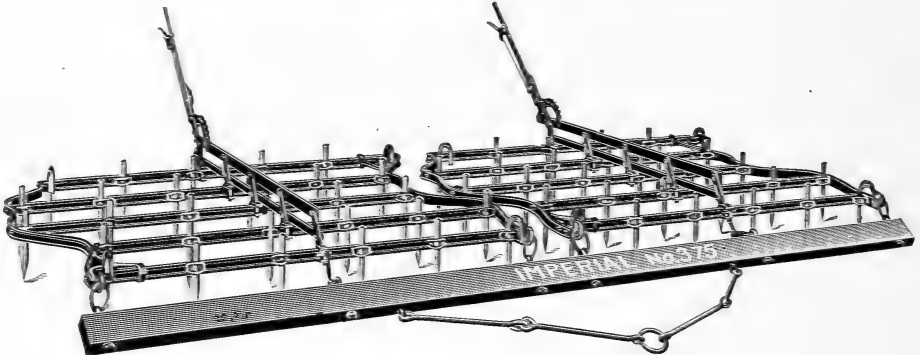
2-sections, 15 tooth.....\$15.00 2-sections, 17 tooth.....\$17.00
 If seat is wanted, add \$1.00 extra. Extra teeth, 40c. each.

P. MANN & CO., WASHINGTON, D. C.

The Imperial "U" Bar Lever Harrow.

The Imperial "U" Bar Lever Spike Tooth Harrow is made in a strictly first-class manner throughout. In construction, this Harrow has many advantages over those of other manufacturers. The frame of the Harrow is channel steel, of good weight and strength. The "U" Bars pass through the main frame of the Harrow, and are held in position by a malleable clamp. This construction gives great strength to the Harrow and at the same time allows flexibility. Each section is fitted with four steel runners, one attached to each corner, for transportation. These runners, when the Harrow is at work, are on top of the frame and do not obstruct. By throwing the lever forward the runners are thrown down in a position which carries the entire Harrow off the ground.

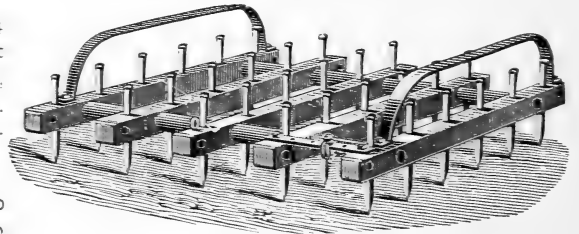
A HIGH GRADE SPIKE TOOTH HARROW.



- Size, 2-section, 50 teeth, 5/8 inch teeth.....\$11.00
- Size, 2-section, 60 teeth, 5/8 inch teeth..... 12.00
- Size, 3-section, 75 teeth, 5/8 inch teeth..... 15.00

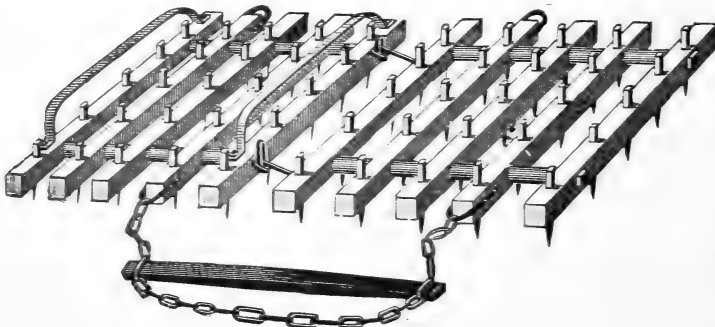
The Brown Gardener's Harrow.

Made in one section, contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The harrow is strong and durable and is furnished with runners for transportation.



- 24 tooth harrow, cuts 3 ft. 8 in. wide...\$5.00
- 30 tooth harrow, cuts 4 ft. 6 in. wide... 6.00

The Brown Two-Section Harrow.



We make two sizes of this harrow. The larger size has 50 teeth and cuts eight feet and six inches wide. The smaller size has 40 teeth and cuts six feet and six inches wide.

Our two-section harrows are guaranteed better made, better finish, and have more superior points of excellence than ordinary Scotch harrows, with which they should not be confounded.

- 2-section, 40 teeth.....\$ 8.50
- 3-section, 50 teeth..... 10.00

SEEDS AND IMPLEMENTS

THE DAIRY

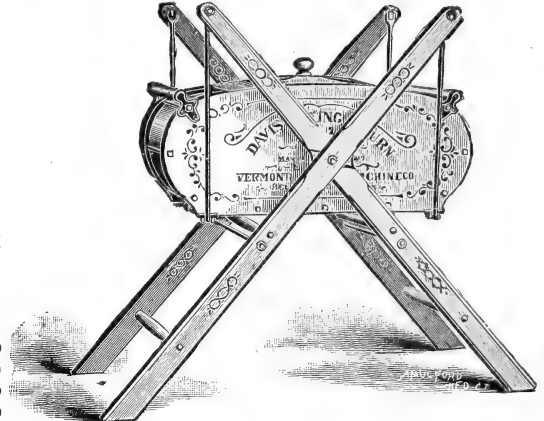
DAVIS SWING CHURN.

The round ends of the Churn cause the cream as it strikes against them to slide up and over, turning a complete somersault, consequently the cream is thoroughly agitated.

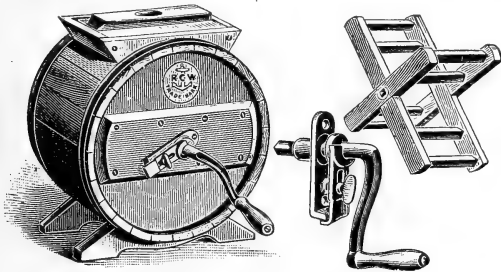
The butter comes in beautiful granules in the most desirable form for washing in cold water or brine.

Each Churn has a glass indicator in the cover, thus enabling the operator to tell when the butter comes without raising the lid. The lid is ventilated and there is no slopping or dripping of cream. Easy to operate; in fact, any child can do it.

No.	Will Churn.	Capacity.	Price.
1.	4 gallons or less.	8 gallons.	\$ 7.00
2.	5 " "	10 " "	8.00
3.	8 " "	16 " "	10.00
4.	10 " "	20 " "	12.00
5.	13 " "	26 " "	15.00



Easy to Keep Clean.



Double Dasher—Thumb Screw Lock.

IMPROVED CEDAR CYLINDER CHURNS

We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw; which prevents leakage—lock cannot break. The top is large, and dasher easily removed. The best churn in use.

Price, No. 1,	3 gallons, each	\$2.00
" " 2,	4 " "	2.50
" " 3	7 " "	3.00
" " 4,	10 " "	3.50



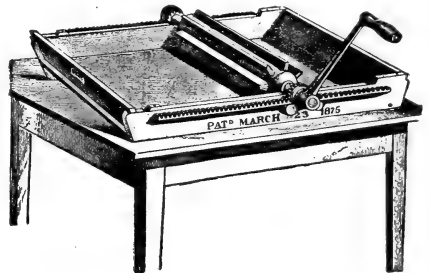
Rice's Calf Weaners

Also prevents cows from sucking themselves.

- No. 1, for Calves, 30c; by mail, 35c
- No. 2, for Heifers, 50c; by mail, 56c
- No. 3, for Cows, 75c; by mail, 85c

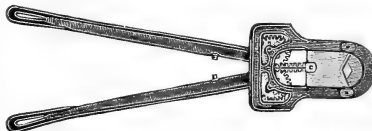
Reid's Butter Worker

Consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain.



REID'S BUTTER WORKER.

No.	Inside Measurement.	Capacity.		Weight.		Retail Price.
		Lbs.		Lbs.		
1.	23x36x2½ in.	50		45		\$8.00
2.	20x36x2½ in.	30		29		6.40
3.	17x27x2½ in.	20		25		5.60
4.	14x24x2½ in.	10		20		4.80



Dr. Leavitt's "V"-shape blade Dehorning Clipper Cuts all around the Horn as the Handles are Being Closed.

Price\$7.00

P. MANN & CO., WASHINGTON, D. C.

**NO. 1 "IRON AGE" HORSE HOES
AND CULTIVATORS**

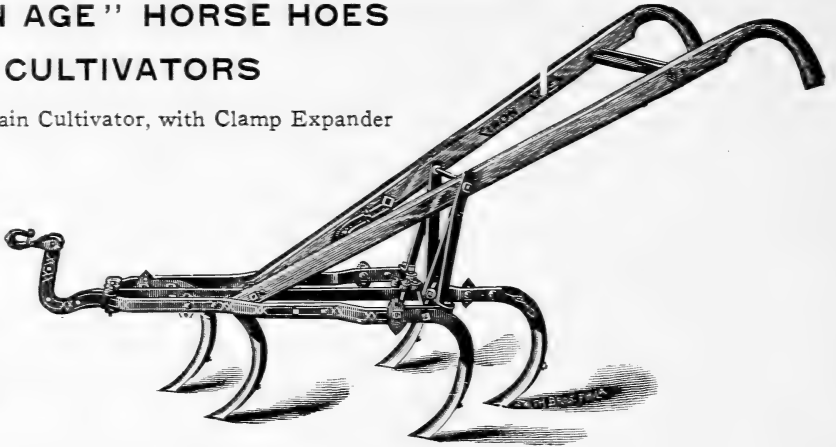
No. 1. "Iron Age" Plain Cultivator, with Clamp Expander

Price, as in Cut, \$3.50
With Plain Wheel, add
75 cents

With Lever Expander
add 75 cents

With Lever Wheel,
add \$1.00

With Horse Hoe and
Sweep, add \$1.30



In this cut we represent our "Iron Age" in its simplest form—a plain cultivator. In this shape we sell it largely in those sections of the country where labor is inefficient and a cheaper and simpler tool is desirable. It is an honest, strong and faithful servant.

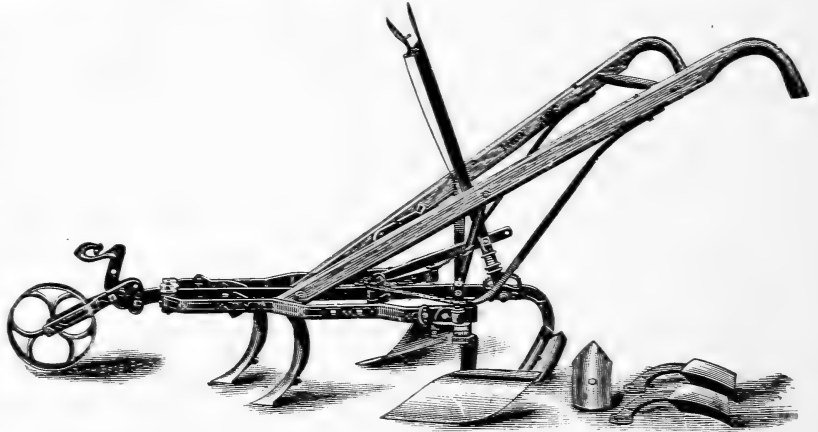
DIXIE STEEL FRAME CULTIVATOR

Price.....\$2.50 Add for lever expander..75c. Add for wheel.....75c.

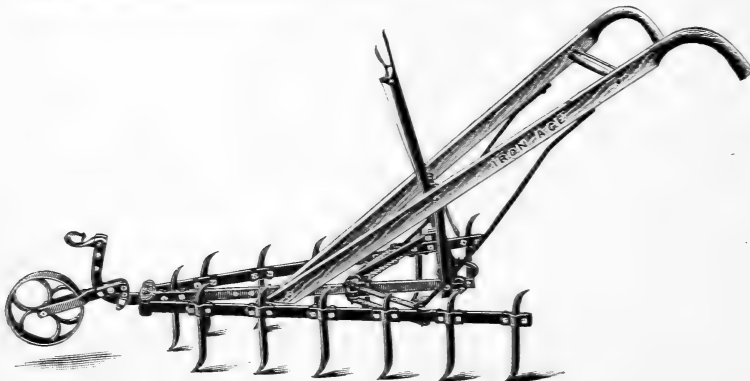
THE IRON AGE HORSE HOE

Wheel and Cultivator Combination with or without Lever Adjuster.

The Iron Age is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoes are bolted to solid steel standards of their own (not attached to light cultivator standards). The value of the Iron Age as a corn coverer is now well known; also for covering peas, potatoes, etc., and for making up rows for root crops it is not surpassed.



Price, hoe and cultivator, plain..\$4.50 With wheel...\$5.50 With lever and wheel.....\$6.00



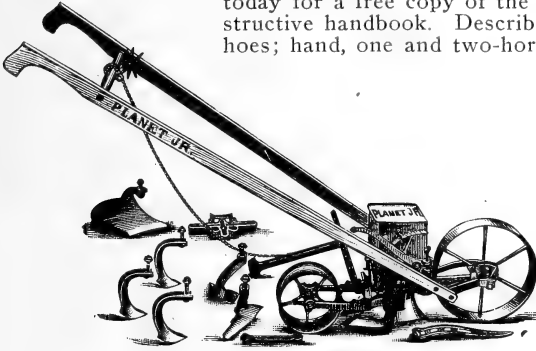
**NO. 1 IRON AGE
COMBINED
HARROW AND
CULTIVATOR**

Price, with lever..\$4.50
Add for wheel.. 75c.

SEEDS AND IMPLEMENTS

**THE SEASON OF 1908
Planet Jr. Farm and Garden Tools.**

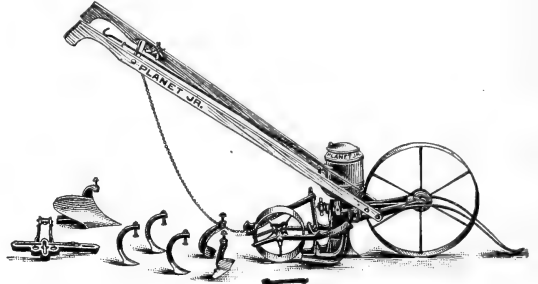
PLANET JR. TOOLS enable you to do two days' work in one, easier, cheaper, better, with less fatigue. They pay for themselves in a season. Write today for a free copy of the 1908 Planet Jr., Catalogue, a finely illustrated, instructive handbook. Describes entire Planet Jr., line, including seeders, wheel hoes; hand, one and two-horse cultivators, harrows, etc.



No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe Cultivator and Plow.

Price, complete\$11.00
Price, as a drill only 9.00

This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts, and as a seeder is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set.

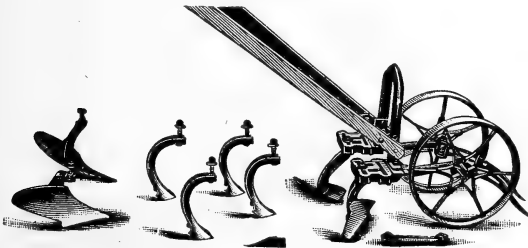


No. 6 Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow.

Price, complete.....\$13.50
Price, as drill only..... 11.00

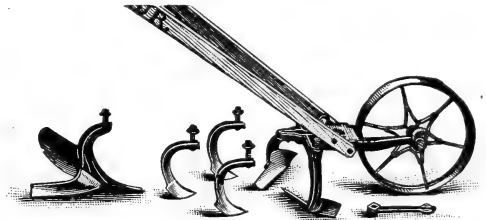
No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow.

Price, complete\$13.50



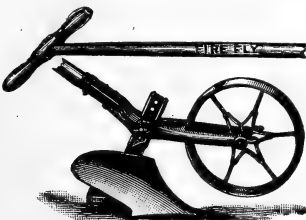
No. 12 Double Wheel Hoe Cultivator and Plow.

Price\$6.85



Planet Jr. No. 17 Single Wheel Hoe Cultivator, Rake and Plow.

Price\$4.75



The Fire-Fly Garden Plow.

Price\$2.25

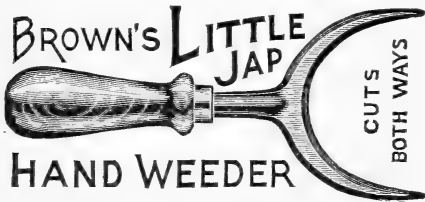


Farmers' No. 19 Single Wheel Hoe Cultivators and Plow.

Price\$3.75

Can furnish all repairs for Planet Jr. Tools.

P. MANN & CO., WASHINGTON, D. C.



Price each, 25 cents.



Especially adapted for working among Carnations, Roses etc Equally as valuable to the Market Gardener and Nurseryman, and the best all-round weeder for the private garden. Price each, 30c.

Malta Double Shovel Plows.

Blade has two holes.
Clevis is adjustable.
Frame all steel.
The beams on this plow are made of steel 1½x¾ inches.

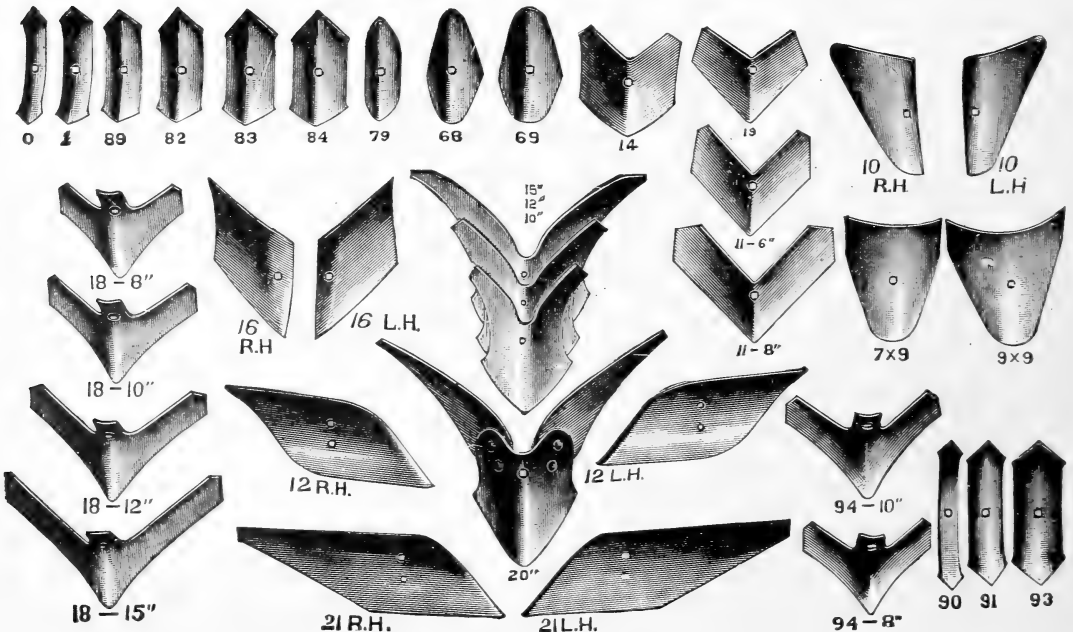


This gives the plow a light draft and the beams are stronger than those made of 1½x¾ inch Iron. Size of shovel, 6x11x7-16 inch.

Price, Double Shovels.....\$2.25 Single Shovels.....\$2.00
Triple Shovels.....\$3.00

Cultivator Points and Steels.

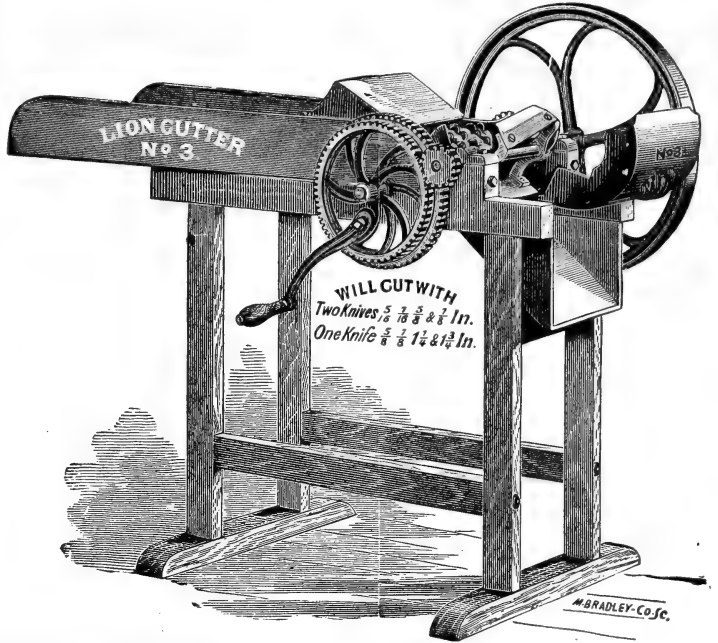
Prices on Application.



SEEDS AND IMPLEMENTS

THE LION FEED CUTTER.

- No. 1 Machine has two knives 6¼ inches long. Weight, 110 pounds. Price.....\$13.00
- No. 2 Machine, has two knives 7¼ inches long, good capacity; style frame as No. 1. Weight, 128 lbs. Price..\$16.00
- No. 3 Machine, with two knives 8½ inches long, is the favorite Hand Machine. Weight, 155 pounds. Price.....\$20.00



Pennsylvania Lever Cutter.

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rates, and can be set up in a moment.

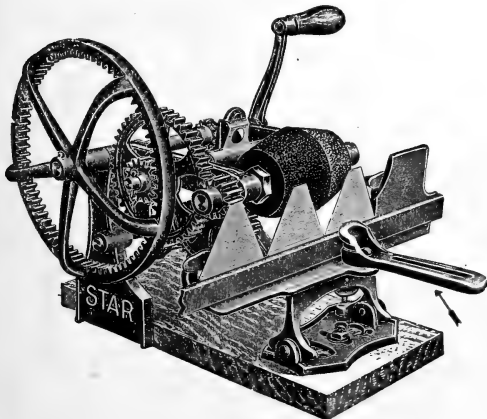
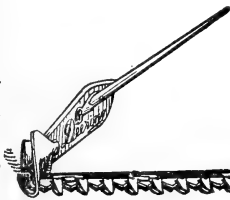
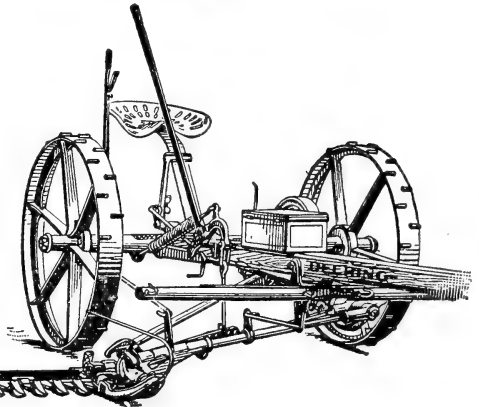
Price\$3.25

DEERING IDEAL MOWERS AND REPAIRS.

The Ideal vertical lift mower is recommended for cutting on rough or stumpy ground, in orchards or groves.

Deering vertical lift mowers possess all the well-known features of regular Ideal mowers besides the vertical lift feature, which makes its effectiveness unsurpassed in places where a regular mower can not be used.

The Ideal one-horse mower, 3½-foot cut, is recommended to those farmers who desire a general purpose machine in all cases where a small sized mower would seem desirable.



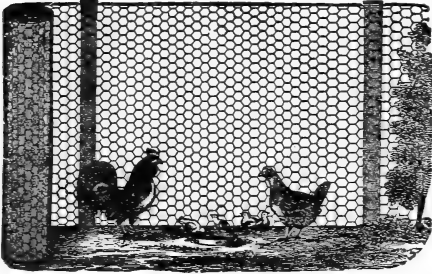
Automatic Star Sickle and Tool Grinder.

Weight 25 pounds.

Price\$4.50

P. MANN & CO., WASHINGTON, D. C.

Galvanized Poultry Netting For Enclosing Poultry Yards.



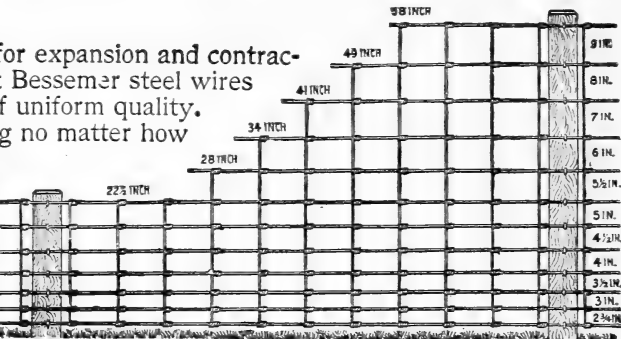
The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh thoroughly galvanized after weaving. Sold in bales of 150 running feet.

No.	19. In. wide.	Sq. ft.	Per B.	No.	20 In. wide.	Sq. ft.	Per B.
"	12	150	\$.80	"	12	150	\$.75
"	15	225	1.25	"	15	225	1.15
"	24	300	1.65	"	24	300	1.50
"	36	450	2.50	"	36	450	2.25
"	48	600	3.30	"	48	600	3.00
"	60	750	4.00	"	60	750	3.75
"	72	900	5.00	"	72	900	4.50

Price $\frac{3}{4}$ cent per sq. ft. in less than bale lots. Staples for fastening 10 cents per pound.

American Woven Wire Fence.

Amply provides for expansion and contraction. Only Best Bessemer steel wires used. Always of uniform quality. Never goes wrong no matter how great a strain is put upon it. Does not mutilate, but **does efficiently turn cattle, horses, hogs and pigs.**



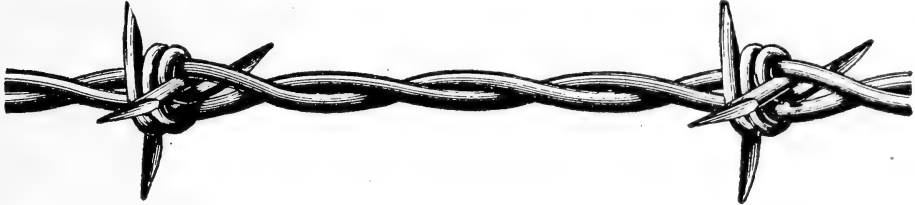
Made of large, strong steel wire. A perfect fence. Also "American" Steel Walk and Drive Gates. Catalogue of Fences with discount furnished on application. Put up in Rolls of 10, 20 and 40 rods.

Style	Number	Lbs. Per Rod	Price Per Rod	Style	Number	Lbs. Per Rod	Price Per Rod
Regular Style 12-inch Stay.	1258	11.75	\$1.03	Special Sheep and Horse Fence. 12-inch Stay.	635	6.5	\$.59
	1149	10.5	.93				
	1041	9.5	.84				
	934	8.5	.75				
	828	7.5	.66				
	722 1/2	6.5	.59				
Regular Style 6-inch Stay.	1258	14.75	1.34	Special Sheep and Horse Fence 6-inch Stay.	635	8.5	.77
	1149	13.25	1.21				
	1041	11.5	1.07				
	934	10.5	.96				
	828	9.25	.85				
	723	8.	.73				
Special Hog, Cattle and Horse Fence 12-inch Stay.	1155	10.8	.95	Special Farm Fence. 12-inch Stay.	949	9.	.82
	1047	9.6	.85				
	939	8.4	.76				
	832	7.4	.67				
	726	6.5	.59				
	620	5.	.49		845	8.	.74
Special Hog, Cattle and Horse Fence 6-inch Stay.	1155	14.	1.25	Special Farm Fence. 6-inch Stay.	945	11.7	1.06
	1047	12.4	1.12				
	939	10.8	.98				
	832	9.4	.87				
	726	8.	.75				
	620	7.	.65		845	10.	.96

Special discount from above List.

SEEDS AND IMPLEMENTS

Galvanized Steel Barbed Fencing Wire



Main strands, Nos. 12 and 12½ gauge, steel wire. Regular or Cattle Wire has barbs about 5 inches apart. Thick set Hog Wire has barbs about 3 inches apart.

CABLE OR TWISTED WIRE.

Made of two strands of Nos. 12 or 12½ gauge steel wire.

Ribbon and Plain Fence Wire.—Special prices on above will be furnished on application.

THE

TOWNSEND WIRE STRETCHER

With this implement the person stretching the wire can nail it to the post from which he is stretching without assistance.

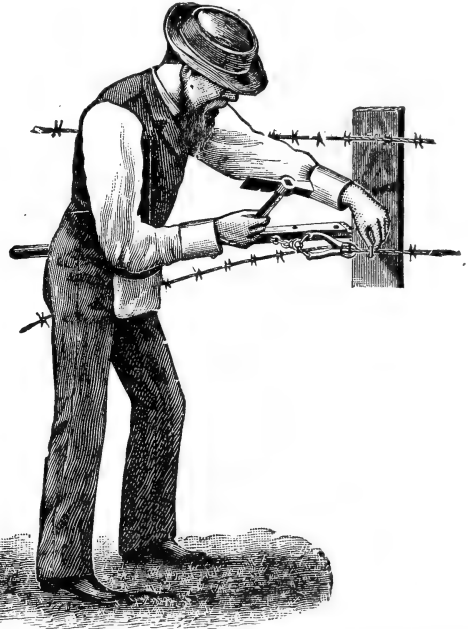
The only true principle for a Wire Stretcher.

It will give you better satisfaction than any stretcher you can find. Do not fail to get it.

Price75 cents.

Little Giant Wire Stretcher, 75 cts.

Hercules Wire Stretcher, 25 cts.



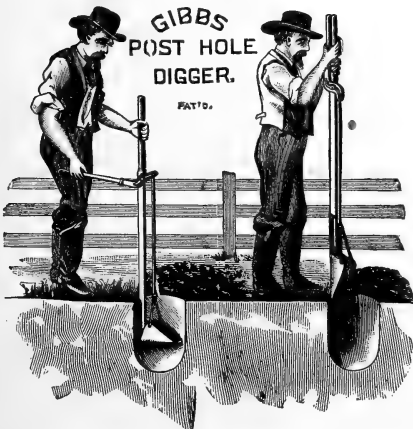
Gibbs Post Hole Digger

With Single Blade.

Works successfully in all kinds of soil where most diggers fail.

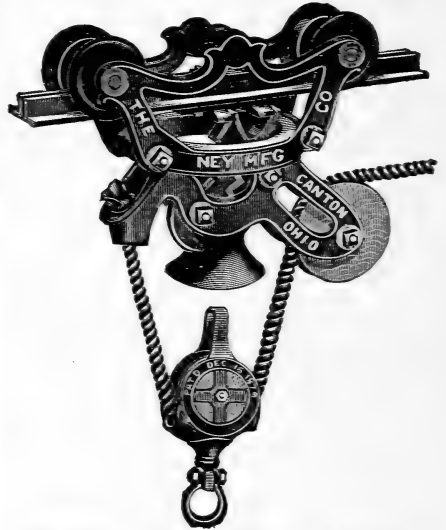
ADVANTAGES.—Easiest operated. Very durable. More soil can be brought out at one time and with less labor. Scours or cleans better in mucky soil. All wearing parts have steel pins. Blade is made of best tempered cast steel; the rod and yoke are also steel. Only one blade to keep sharpened. Makes a hole of any desired diameter. By the use of the compound lever operating blade, ordinary stones that obstruct digging are readily loosened and removed. Best general purpose digger made.

Price.....\$1.75



P. MANN & CO., WASHINGTON, D. C.

HAY TOOLS AND FIXTURES



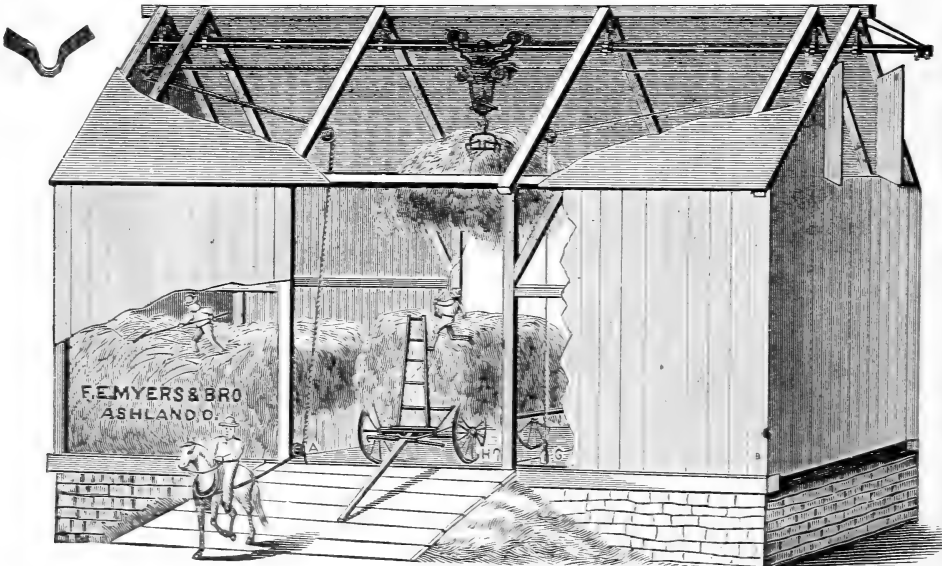
SWIVEL REVERSIBLE CARRIER

For Double-Angle Steel Track.

This Carrier, cannot pass the bumper or trip block while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings.

Price.....\$4.50

Special Discount for Cash.



HAY TOOL SUPPLIES

Nellis' Single Hay Fork.....	\$2.00	Rafter Bracket	\$.06
Double Harpoon Hay Fork.....	1.25	Extra Trips or Stops for Cars.....	.50
Hanging Hook for Wood Track, 14 inch.....	.08	Knot Passing Pulley .....	.30
Hanging Hook for Steel Track.....	.08	Plain Iron Pulley .....	.20
Patent Rope Hitch .....	.20	Steel Track, per foot.....	12 1/4
Floor Hook .....	.08		

Write for Special Cash Discount from these Prices.

SEEDS AND IMPLEMENTS

WATER TRUCK WITH BARREL.



Price, Plain Truck and Barrel, 1½-in. Tire. **\$7.50**
 Price, Truck alone, with 1 pair Trunnions:.. **6.00**
 Price, Pair of Trunnions alone..... **.50**
 Price, Extra 3-inch Tire..... **1.50**

Osgood Scales

This scale is adapted to all general weighing, as in first-class stores, warehouses, elevators, depots, express offices, factories of all kinds, etc. All scales, unless otherwise ordered are sent with wheels.

No.	Capacity lbs.	Platform	Price
1810	800 lbs.	17x26	\$22.00
1812	600 "	16x25	18.00
1814	400 "	15x21	17.50



CRYSTAL METAL FARM BELLS

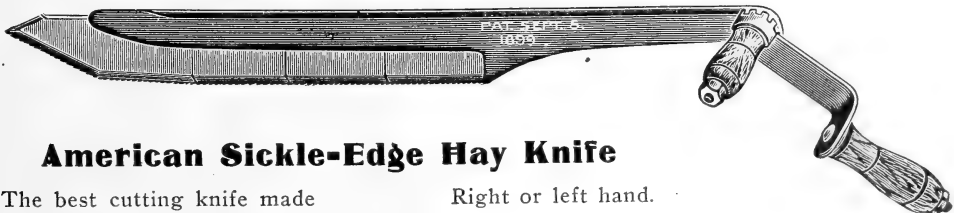


No. 1, 40 pounds.....\$2.00
 No. 2, 50 pounds..... 2.50
 No. 3, 75 pounds..... 3.50
 No. 4, 100 pounds.....4.50

Cycle Ball-Bearing Steel Frame GRINDSTONE



Price Complete, \$4.00.



American Sickle-Edge Hay Knife

The best cutting knife made
 Sections can be easily replaced.

Right or left hand.

Price\$1.25

P. MANN & CO., WASHINGTON, D. C.

Myers Double Acting Force Pumps

Have patent glass valve seat

Patent drop valve.

Brass or brass lined cylinder.

Improved Closed-Top Pitcher-Spout Pump

With revolving brake, bolt fastening and cut-off base.

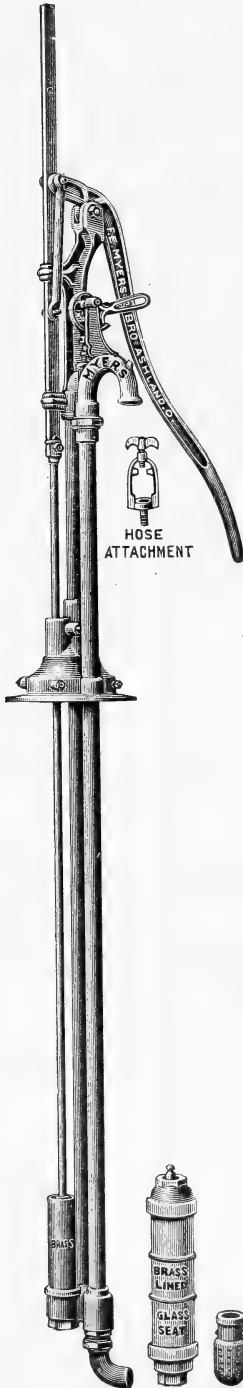


Fig. 205½

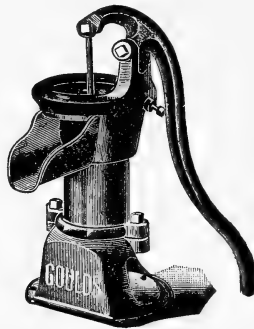


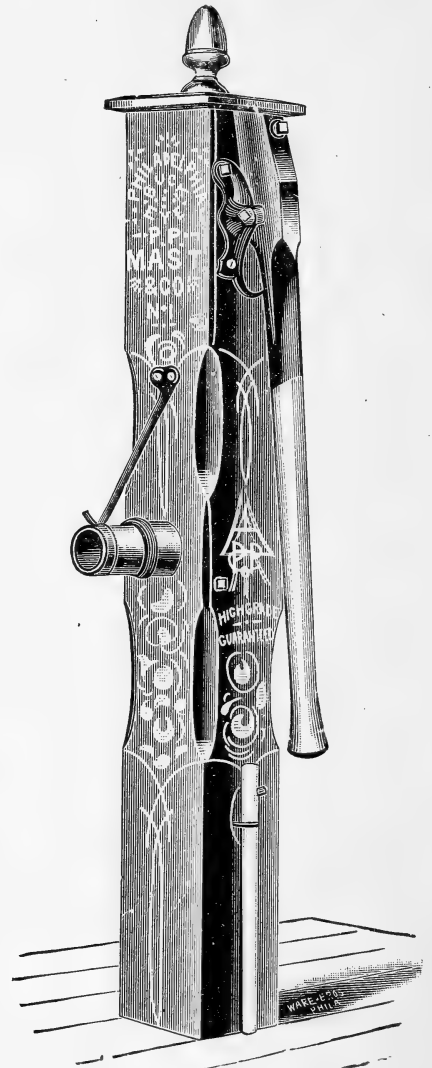
Fig. 205½ represents our Pitcher Spout Pump, with a closed top. It is often a cause of complaint with the Open Top Pitcher Pumps that they are apt to throw the water over the top when worked rather sharply. To obviate this, we have introduced a closed top with an opening only large enough for the rod to work through.

Price, No. 2.....\$2.25

Price, No. 3..... 2.75

Brass Jacket Drive Well Points\$1.25 each

PRICES ON ALL PUMPS FURNISHED ON APPLICATION.



Buckeye Wood Pumps

Porcelain Lined
are Recommended as the
Best and Most Satisfactory
in All Cases

SEEDS AND IMPLEMENTS

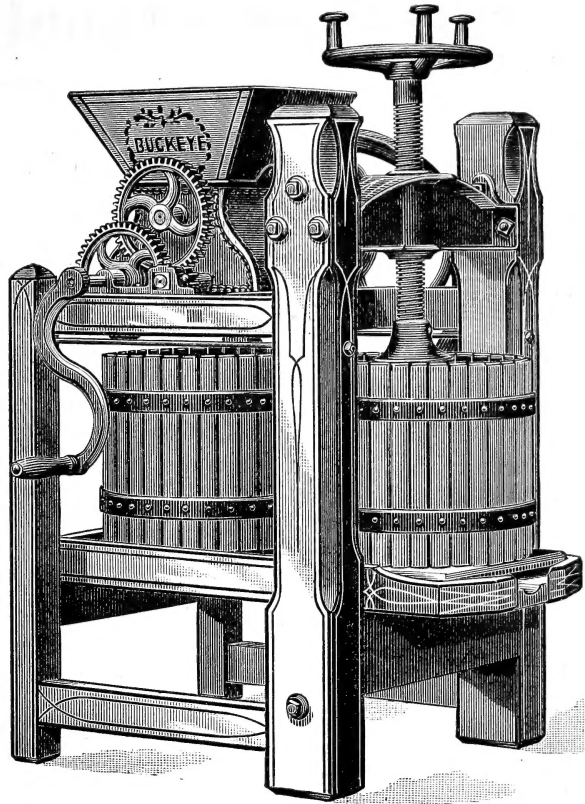
BUCKEYE

Cider Mill and Press.

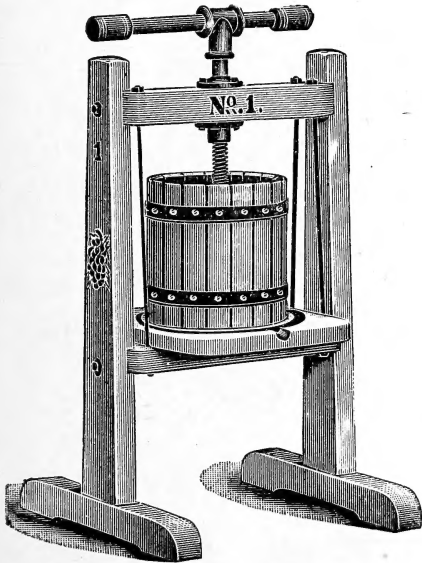
MADE IN THREE SIZES.

These Mills have two curbs or tubs, so that you can grind into one while another man, or boy, is pressing the other. Two men can grind and press from four to six barrels of cider per day. It is intended for a hand mill, and the apples are easily ground by one-man power. The mills are nicely varnished and striped, and present an attractive appearance.

Junior Mill	\$13.00
Medium Mill	17.00
Senior Mill	22.00



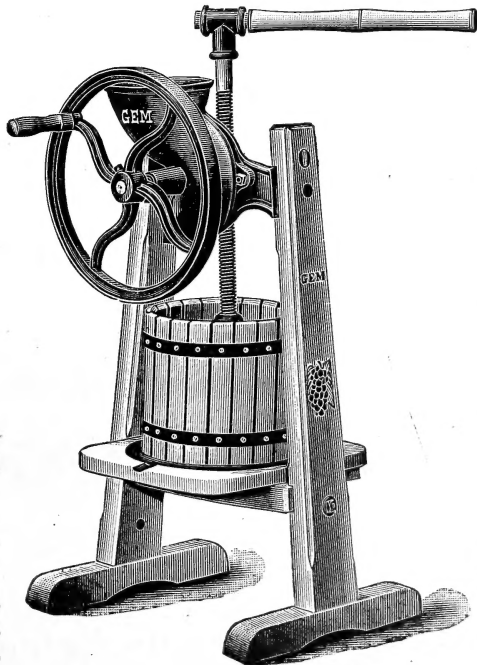
NO. 1, WINE PRESS.



Made in three sizes, numbers 1, 2 and 3. This press is substantially built of hard wood and is nicely finished. The tub is 8½ inches in diameter, inside measurement, and 10 inches high. This is in every respect a high-grade press.

Price, No. 1.....	\$4.00
Price, No. 2.....	5.00
Price, No. 3.....	6.00

Family Cider and Wine Press.

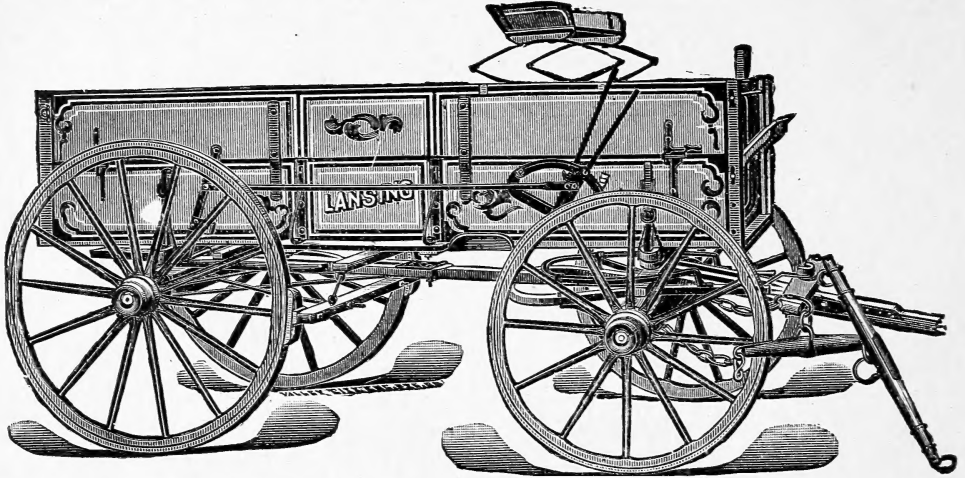


Made in two sizes, numbers 0 and 1. The No. 0 has a steel screw 1¼ in. in diameter by 22 in. long, and is provided with one tub 10½ in. Diameter, inside measurements, by 10½ in. high. The No. 1 has a screw 1¾ in. diameter by 24 in. long, and is provided with one tub 11½ in. inside measurements by 12 in. high.

Price, No. 0.....	\$ 9.50
Price, No. 1.....	10.50

P. MANN & CO., WASHINGTON, D. C.

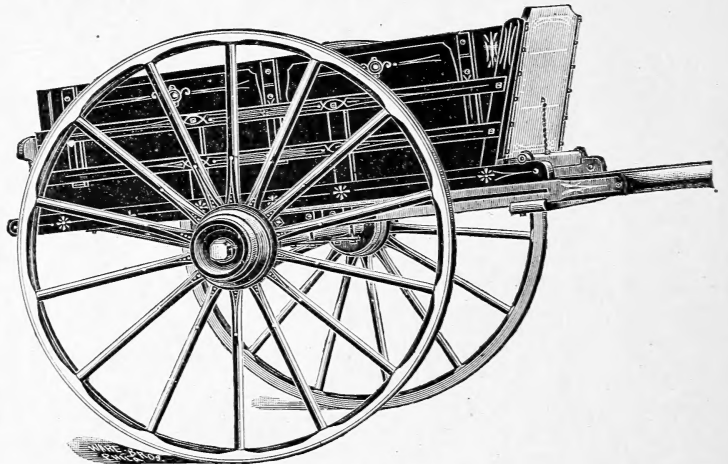
Lansing Farm and Contractors' Wagons



THE LANSING WAGON is a first-class wagon in every respect and is fully warranted. We can furnish these wagons in Skein and Steel axle, narrow and broad tires. Catalogue and prices furnished upon application.

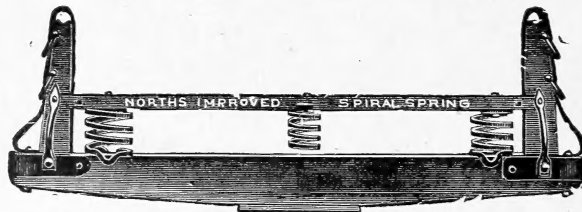
FARM and CONTRACTOR'S CART

These Carts are very strong, heavily ironed, nicely painted, striped and varnished. They are specially adapted for use by farmers and contractors. Incorporated in these Carts are all of the best features of the old-style farm cart, even to the trap stick, which we retain, considering it far ahead of any of the patent devices. In consequence of these points we have now unquestionably the best article of its kind ever introduced. It has been our sole aim to have nothing but the best.



Size of Axle.	Size of Tires.	Diam. of Wheels.	Price.
1½ inches	3 inches	4 ft. 10 in.	\$36.00
2 inches	3 inches	4 ft. 10 in.	42.00

North's Improved Adjustable Wagon Springs



The best Farm Wagon Spring in the world. No fruit grower can afford to be without a set—they are worth many times their cost.

Carrying capacity, 1,500 pounds, per set..\$6.00 Carrying capacity, 2,500 pounds, per set..\$7.00
Carrying capacity, 2,000 pounds, per set... 6.50 Carrying capacity, 3,000 pounds, per set.. 7.50

Fruit and Dairy Spring, capacity 1,000 pounds, per set, \$3.00; 1,500 pounds, \$3.50.

Garden and Farm Tools

An Immense Assortment which we sell at Reasonable Prices

ASPARAGUS KNIVES
ASPARAGUS BUNCHERS
AXES LAWN MOWERS
BELLOWS LAWN ROLLERS
BROOMS LAND ROLLERS
DIBBLES MOLE TRAPS
FORKS PICKS
 Hand, Weeding PLOWS
 Digging or Spading RAKES
 Manure, long handle Garden
 Manure, D. handle Bow Steel
 Hay, long handle Lawn
FRUIT PICKERS Oelson
GARDEN REELS Hustler
GARDEN SETS GARDEN LINES SAWS
GRASS EDGING KNIVES SCYTHES
GRASS HOOKS SCYTHE SNATHS
GRAFTING WAX SPRAY PUMPS
HAMMERS SPRAY SYRINGE
HATCHETS SPRINKLERS
HOSE, RUBBER SEED SOWERS
 Nozzles SHEARS
 Clamps Grass Border
 Couplers Hedge
 Menders SHEARS
HOES Hand Pruning
 Weeding Tree Pruning
 Half Moon Sheep
 Warren SPADES
 Scuffle SHOVELS
 Garden Round point, long handle
KNIVES Round point, D. handle
 Pruning Square point, D. handle
 Budding Square point, long handle
 Corn TROWELS
MATTOCKS THERMOMETERS
WATERING CANS WEEDERS
WHEELBARROWS

A FULL LINE OF

Double and Single Wagon Harness, Riding and

Wagon Saddles, Curry Combs and Brushes,

Blankets, Robes, Whips and all Stable Supplies,

HARNESSES MADE TO ORDER.

Farm and Garden
Annual 1908



P. Mann & Co., Washington, D. C.