

1905

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HARMON AND HARRIS CO.

U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.



PORTLAND, MAINE.

CHEAP SEEDS



URS are not cheap seeds, notwithstanding the low prices quoted in this Catalogue. In seasons like this planters cannot afford to take any risks, and there is no question but that our seeds, no matter what the price as compared with those offered by our competitors, will be the cheapest in the end to all who wish to harvest successful crops. We do make the claim that seeds of stronger vitality and superior growing qualities than we are offering to our customers are not obtainable.

We beg to state to our customers that we have every facility for testing the germination of our seeds, and that *all are tested before leaving our store*. Any seeds that are not found to be of high germinating quality are at once discarded. We cannot, however, be held responsible for crop failures which unusual conditions render unavoidable and which are very often beyond human control.

In regard to the selection of the different strains of seeds, we wish to say that we spare no effort to obtain the finest, and by personal inspection of the growing crops, both in this country and abroad, we are enabled to recommend conscientiously the stocks that we offer.

Special Offers

We will allow on all orders accompanied by cash, *25 cts. worth of seeds extra on each \$1.00* sent for seeds in packets or ounces. Thus, any one sending us \$1.00 may select seeds in packets and ounces to the value of \$1.25; for \$2.00, \$2.50; for \$3.00, \$3.75, and so on.

Please note that this special offer applies only to seeds purchased in these denominations and does not apply to purchases in larger-sized packages.

We deliver free to any post office or express office in the United States all *Vegetable and Flower Seeds* selected from this Catalogue, if in packets, ounces or quarter pounds. *Purchasers must pay charges on pounds, pints, quarts, pecks or bushels, and on all agricultural tools and fertilizers.*

Beyond the information contained in this Catalogue, we shall always be pleased to answer any inquiries on horticultural or agricultural subjects to the best of our ability.

Greenhouse Plants of every description can be furnished at short notice.

Our customers may rest assured that orders, either large or small, will receive equally prompt attention. Storekeepers, market-gardeners, farmers, and all large growers requiring larger quantities of seeds than those here offered, are invited to write us for special prices, stating quantities and varieties wanted.

When ordering, please state whether you wish 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 wish them.

We publish in the fall a new illustrated and descriptive Catalogue of French and Dutch Flower Roots and Bulbs.

We wish to call the attention of farmers to *the Celebrated Isaiah Frye Plow*, the sale of which we control. The numerous letters of praise and recommendation that we are constantly receiving attest its superior merits.

NO WARRANTY. We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

HARMON and HARRIS CO.

Portland, Maine

Harmon & Harris Co.'s Annual Catalogue of Seeds, Tools, Implements, &c.

CHOICE VEGETABLE SEEDS.

Asparagus

The seed should be sown thinly in drills 12 inches apart, on a light, deep, rich soil, in May. Thin seedlings to about 4 inches apart in the rows, leaving only the strongest. When plants are used, set about 18 inches apart. The roots should be carefully spread out, and covered with about 6 inches of soil. The bed should be deeply trenched, and well manured with rich and thoroughly decayed manure; if the soil is too stiff, add sand or sifted ashes. One ounce of seed for 60 feet of drill.

Barr's Mammoth. Light-colored stalk. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Palmetto. Bright green color; very desirable. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Conover's Colossal. Early and large. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 40c.

ASPARAGUS ROOTS. 2-year-old roots, \$1.25 per 100.

Artichoke

These require a good, deep soil, which should be heavily manured. Sow in April, and when strong enough transplant into rows 3 or 4 feet apart.

Green Globe. The best variety. Pkt. 5c., oz. 10c.

Jerusalem (Tuberous). Qt. 20c., pk. \$1.

Beans

Plant about the first of May in a warm position, in drills 2 to 3 feet apart, covering the seed about 2 inches. Sow every two weeks for a succession. Hoe frequently in dry weather to keep the weeds down.

Dwarf Varieties—1 quart to 100 feet of drill, 1½ to 2 bushels to an acre.

Pole Varieties—about 1 pint to 100 poles, and about ½ bushel per acre or to 2,722 poles.

If ordered sent by mail, please add 15c. per quart for postage.



Currie's Rust-Proof Bean.

Dwarf or Bush Varieties

Mammoth Green-Podded Stringless Bush. Pt. 15c., qt. 30c., pk. \$1.75.

Extra-Early Refugee Wax. Long, round, yellow. Early or late planting. Pt. 20c., qt. 35c., pk. \$2. bu. \$6.50.

Early Carmine-Podded Dwarf Horticultural. Remarkable for its earliness and bright color. Valuable for market purposes. Pt. 20c., qt. 35c., pk. \$2. bu. \$6.50.

Long Yellow Six Weeks. The leading market variety. Straight, green, flat pods. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Low's Champion. One of the best beans for either snap or shell. Very productive; large, green, flat pods, perfectly stringless. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.00.

Refugee or 1,000-to-1. Very productive; tender round pods; extensively used for pickles. Pt. 15c., qt. 25c., pk. \$1.50, bu. \$4.50.

White Wax. Flat yellow pods; vines short and erect; white-seeded; very popular. Pt. 20c. qt. 35c. pk \$2, bu. \$7.

Burpee's Bush Lima. This is the best dwarf Lima in cultivation. Grows about 18 inches high; beans large and delicious; vines immensely productive. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

Henderson's Bush Lima. Beans smaller than the above, but of exquisite flavor; productive. Pt. 20c., qt. 30c., pk. \$2, bu. \$7.

Black Wax or Butter. Very early and prolific; round-podded and stringless; of excellent quality. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

CURRIE'S RUST PROOF. Very productive; of superior quality; golden yellow stringless; pods do not rust; seed black. Pt. 15c., qt. 30c., pk. \$2, bu. \$7.

Early Mohawk. Long, flat, straight pods; very hardy and productive; good snap bean. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Earliest Red Valentine. One of the earliest snap beans. Long, round pods; very productive. Pt. 15c. qt. 25c., pk. \$1.50, bu. \$5.

Dwarf Horticultural. Best shell bean in cultivation. Pods highly colored. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$5.50.

Golden Wax. The most popular variety for general use. Pods long, very fleshy; productive. Pt. 15c., qt. 30c., pk. \$2.25, bu. \$7.50.

Golden Eye Wax. A most desirable variety for market-garden use. Early and prolific; seldom rusts; pods long and flat. Pt. 15c., qt. 30c., Pk. \$2.25, bu. \$7.50.

Improved Yellow Eye. Well-known variety; extensively used for baking. Pt. 15c., qt. 25c., pk. \$1. bu. market price.

Davis White Wax. Immensely productive, bearing large, handsome, straight pods six inches in length. Pt. 15c., qt. 30c., pk. \$2, bu. \$7.

Pole Beans

By mail add 15c. per quart postage.

Black Wax or Indian Chief. A stringless snap variety, with long, yellow pods; black seed. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

Horticultural or Speckled Cranberry. Excellent either for shell or snap bean, fine for cooking when dry. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$6.

Horticultural Lima. Very early and productive, with flat, speckled seeds. Qt. 25c., pk. \$1.25.

Large White Lima. Very large bean and pod; one of the finest-flavored shell beans; late. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

Mammoth King Horticultural. A new variety, pods of a bright carmine color, very much larger than the common variety. In great demand by market-gardeners. Pt. 15c., qt. 30c., pk. \$2, bu. \$7.

Red Cranberry. Large, tender, stringless pods; very productive. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$6.50.

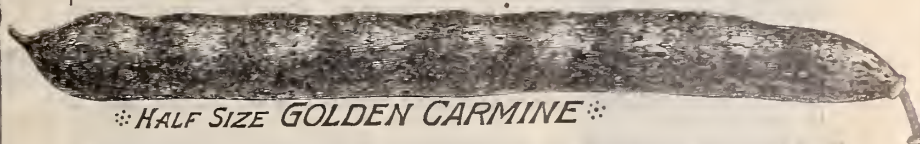
Scarlet Runner. A variety of excellent flavor; also very ornamental, flowers a bright scarlet. Pt. 20c., qt. 35c., pk. \$1.75, bu. \$6.50.

White Dutch Runner. Same habit as the Scarlet Runner; flowers and seed white. Pt. 20c., qt. 35c., pk. \$1.75, bu. \$6.50.

Small White Lima or Sieva. Bean small but of excellent quality; earlier than the larger variety. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.50.

White Dutch Case-Knife. A long, flat, green pod, can be used either as a snap or shell. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$6.50.

GOLDEN CARMINE. A new strain of horticultural pole of sterling merit. Excels in earliness, quality, handsome appearance and productiveness. Pt. 20c., qt. 35c., pk. \$2.25, bu. \$8.



HALF SIZE GOLDEN CARMINE

Lazy Wife's. The finest flavored of all as "snapshots." The pods, of medium dark-green color, are produced in great abundance, and measure from 4½ to 6 inches in length. They are broad and thick, very fleshy and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe, and at all stages are peculiarly luscious. Each pod contains from six to eight round white beans, which make excellent winter shell beans. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

Beets

CULTURE. Beets require deep, rich soil, which has been well manured the previous season. Seed may be sown as soon as the ground can be worked in spring. For general crops sow about the middle of May and for winter about the second week in June. Sow in drills about 1 foot apart. Thin out 4 to 6 inches in the rows. One ounce of seed for 50 feet of drill, 5 to 6 pounds to the acre.



Crosby's Improved Egyptian Beet.

Detroit Dark Red. A splendid early variety of excellent flavor; top small, upright-growing; rows may be planted close together; roots globular, very smooth, dark blood-red, tender, crisp and sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Smooth Blood. Very dark red, long and smooth; a late variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Extra-Early Egyptian Blood Turnip. Considered by many the earliest strain of table beet. Dark red; small top. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Extra-Early Eclipse. Very early, round, smooth, dark red. This strain is selected. It has a very small top and is one of the best for market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Swiss Chard, Silver or Sea-Kale Beet. Grown exclusively for its leaves. The middle rib of the leaf is used and served like asparagus and the rest of the leaf like spinach. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Mangel-Wurzel and Sugar Beets

Sow 5 to 7 pounds to an acre.

White French Sugar. Long smooth roots; grows to large size; used extensively for making beet sugar, also for feeding stock. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Lane's Imperial Sugar. A handsome white-fleshed variety; very productive, hardier than the French Sugar Beet and said to contain a larger percentage of sugar. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Golden Tankard. The best variety for dairy farming. A very large yellow-fleshed sort of cylindrical form, with small top; grows largely above ground, is hardy and a heavy cropper. Fine for either sheep or cattle. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

MAMMOTH LONG RED. This variety is most extensively grown. The roots attain an enormous size, producing from 30 to 50 tons to the acre. Roots uniformly large and well formed. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

Norbiton Giant Long Red. Grows to an enormous size; of the finest quality; an excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

Yellow Globe. A very heavy yielder and good keeper; adapted for shallow soil. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

Warden's Orange Globe. Considered by many to be the best yellow globe variety in cultivation. Orange-yellow, sweet; very productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.



Mammoth Long Red Mangel-Wurzel.

CROSBY'S EGYPTIAN. A very early and carefully selected strain of the original Egyptian. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Dewing's Early Blood Turnip. Medium size, smooth, of good color and flavor; among the best for main crop. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Dirigo Extra-Early Blood Turnip. A rich blood-red variety of fine grain and flavor. Very early. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 50c.

Early Flat Bassano. Very early; light-colored. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Edmand's Early Blood Turnip. A variety of splendid shape and good size; flesh dark red, excellent quality, a good keeper, small top. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., oz. 50c.

Broccoli

Sow in well-prepared seed-beds or in drills 2 inches apart, as soon as the ground can be worked. When strong enough, transplant into rows 2 feet apart each way. When well grown and properly cooked, the flavor is delicate and delicious.

Early White Cape. Compact heads of good size, creamy white; the most sure heading. Pkt. 5c., oz. 30c.

Early Purple Cape. Very similar to the above, except in color, which is a brownish purple. Pkt. 5c., oz. 30c.

Brussels Sprouts

Sow in the seed-bed in May. Plants should be transplanted into rows about 2 feet apart. The small heads are ready to use after the first frosts in autumn. Not requiring a high cultivation, this vegetable should be more extensively grown, as it is very much superior to cabbage when cooked.

Improved Dwarf. Very compact and of excellent quality. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Paris Market. A very fine variety, of half-dwarf growth. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Scrymger's Giant. Splendid sort, of fine flavor. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Chervil

Curled. Young plants are used for flavoring soups and salads. Has a strong perfume and flavor. Sow in May. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Cress

CULTURE. Used extensively as a small salad. Sow in the spring very thickly in shallow drills. Repeat the sowing every two weeks through the season, as it soon runs to seed.

Extra Curled. Good for salad or flavoring. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Water Cress. Cultivated by sowing the seed by the side of running water. Pkt. 10c., oz. 40c.

Cabbage

Cabbages require a deep rich, well-drained and abundantly manured soil. Sow in January or February in hotbeds for early use. Prick out when the plants are large enough, into another hotbed, or sow in cold frames in March. Transplant to the open ground when danger of hard frosts has passed, in rows about 2 feet apart and 18 inches between the plants. The fall and winter varieties may be sown in April or early in May in drills 3 or 4 inches apart. One oz. of seed for 3,500 plants.

HARMON'S EARLY MAINE (new). The earliest flat Cabbage grown, as early as Jersey Wakefield, with heads very large and solid. Has few outside leaves, and can be planted much closer than any other Cabbage. Fit to cut as soon as Jersey Wakefield. We have procured our stock from the introducers, and can recommend it as being superior to all others. Pkt. 10c., oz. 40c., ¼ lb. \$1.50, lb. \$5.



Harmon's Early Maine Cabbage.

The Hollander (Imported Seed). The finest Cabbage for late spring sales and shipping; without doubt the finest winter variety on the market. It commands a higher price than any other sort. The heads are of medium size, very solid, deep and of a fine white color. They are very superior in quality and keep better than any other sort. This seed is obtained from one of the largest Cabbage growers in Europe, who makes a specialty of this variety. Pkt. 5c., oz. 50c., ¼ lb. \$1.25, lb. \$4.

All Seasons. An excellent variety for main crop or late use. A sure-heading variety, growing to a large size. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Danish Ball Head. Heads round and very solid; one of the best for winter. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Early Jersey Wakefield (Selected). An early and very popular variety. Cone-shaped heads, very solid. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.

Early Winnigstadt. A medium early sort, with cone-shaped heads, suitable for growing on light soils. A good keeper. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

Fottler's Improved Brunswick. A main crop variety of great excellence. Very large and solid heads; stem short and small; a very reliable header. Pkt. 10c., oz. 30c., ¼ lb. \$1, lb. \$2.50.

Henderson's Early Summer. A second early variety, with large compact round heads of fine quality. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Henderson's Succession. A remarkably fine Cabbage, with large flat heads: about two-weeks later than Early Summer. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Improved American Drumhead Savoy. A very tender variety, heads very large, with wrinkled leaves. For market-garden or family use. For quality and flavor the Savoy is much superior to any other Cabbage. Should have a touch of frost before being used. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Marblehead Mammoth. The largest late Cabbage grown; grows to great weight, but is rather coarse. Good keeper. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Premium Flat Dutch. A well-known late sort, extensively grown for market or private use. An excellent keeper. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$1.75.

Sure Head. A very popular sort; always forms a good solid head. One of the finest late Cabbages for market-gardeners. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Red Dutch. Large solid heads of good color; most extensively used for pickling. A good keeper. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Red Rock. The largest of the red Cabbages, fine grained. Pkt. 5c., oz. 20c., ¼ lb. 75c., lb. \$2.50.

Stone Mason Drumhead. Extensively used in this section; produces large solid heads of fine quality; is annually becoming more popular for storing in winter. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Cabbage Plants. See page 24.



Snowball Cauliflower.

Early Cauliflower

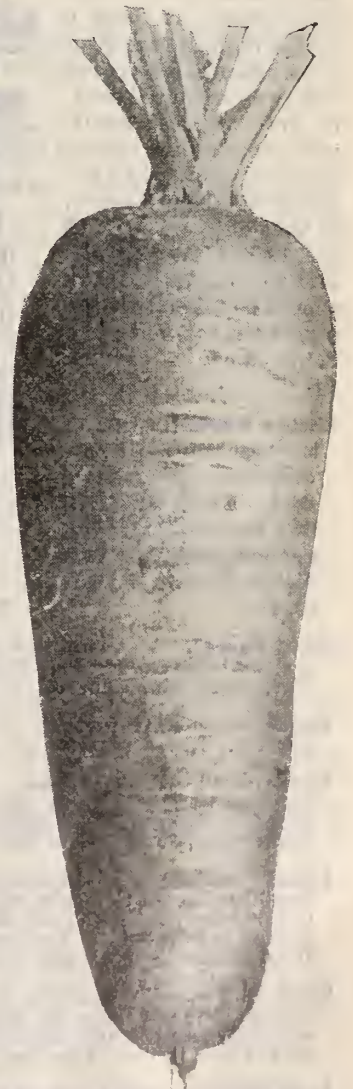
CULTURE. With deep rich soil and an abundance of water, the Cauliflower will succeed. It requires the same culture as cabbage. For early use sow in May and transplant in rows about 2 feet apart, placing the plants about 2 feet apart in the row. If the season is dry water frequently, if possible using liquid manure. The leaves should be used to protect the head from the sun and help them blanch better. Seed may be sown in the middle of June for late crops, covering the seed about ½ inch deep. One ounce of seed for 3,000 plants.

EARLY SNOWBALL (Danish Grown).

This is undoubtedly the finest and earliest dwarf variety grown. Its dwarf, compact habit admits of its being planted 18 or 20 inches apart. Our stock of this variety we can recommend, having purchased the seed from one of the best growers in Europe. Pkt. 20c., oz. \$2.50.

Large Late Algiers. A large, late variety, of excellent quality, grown extensively by market-gardeners. Pkt. 10c., oz. 75c.

Selected Extra-Early Dwarf Erfurt. This variety is second only to Early Snowball. The heads are solid, compact and pure white, growing about 15 inches high. Pkt. 40c., oz. \$4.50.



Improved Half-Long Carrot.

Carrots

CULTURE. To insure success with Carrots, the soil should be a well-enriched sandy loam, deeply tilled and thoroughly pulverized. Sow in April or May, about an inch deep, in drills 15 inches apart for garden sorts. For field cultivation the rows should be at least 2 feet apart. Thin out young plants from 3 to 6 inches apart according to variety. One ounce of seed for 150 feet of drill. Three to four pounds to an acre.

Carrots, continued

- Chantenay.** A type of half-long Carrots, somewhat earlier and smaller than Danvers. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 90c.
- Danvers Half-Long.** This is a standard main crop variety, half-long, with small tap-roots. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.
- Early French Forcing.** The earliest forcing variety; small globular roots of reddish orange color and good flavor. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.
- Early Scarlet Horn (Stump Root).** A medium sized, thick-rooted variety; early and grown by market-gardeners for bunching; of good color and flavor. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.
- IMPROVED HALF-LONG, STUMP ROOTED.** This variety is similar to Danvers in shape and suitable for shallow soils. Very smooth, of bright rich color, early and very productive. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.
- Oxheart or Guerande.** This splendid Carrot is a decided improvement in shape. It is intermediate as to length, between the half-long varieties and the Short Horn Carrot, but much thicker than the latter; it is of very fine quality. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.
- Improved Long Orange.** Very smooth and uniform roots, of large size and rich orange color; a good keeper; suitable for either table use or for feeding stock. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.
- Large White Belgian.** Very large, long-rooted variety for stock-feeding. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Celery

CULTURE. Sow the seeds in March or April, in hotbeds or cold frames. When the plants are 3 inches high transplant into a prepared border, setting them about 4 inches apart. When they have grown to about 6 inches high and are good stocky plants, set in deep rich, well-manured land, in rows 3½ feet apart, with from 6 to 9 inches between the plants. Earth up about 3 times, so that only the tops of the leaves are visible, late in the fall. Care should be taken that the plants are not wet when being hoed or earthed up.

Boston Market. One of the best and most popular sorts in cultivation. Early, crisp, of fine flavor, dwarf and a good keeper. Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.75.

Giant Pascal. A strong-growing variety, with thick, broad stalks. A sport from Golden Self-Blanching. As a keeper it is unsurpassed. Pkt. 5c. oz. 20c., ¼ lb. 50c., lb. \$1.50.

Henderson's Half-Dwarf. A close, compact grower; early; of good quality. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Henderson's White Plume. Unlike most varieties, this does not require much earthing up. If loosely tied and a little earth is brought up around the base of the leaves, all the inner stalks will blanch out. Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.75.

PARIS GOLDEN SELF-BLANCHING. Imported Seed. This is without doubt the finest Celery in cultivation. It is perfectly solid, of a fine nutty flavor, attains a good size, and when blanched is of a handsome golden yellow color. The seed that we offer of this variety is saved from the originator's stock. Pkt. 10c., oz., 40c., ¼ lb. \$1.25, lb. \$4.

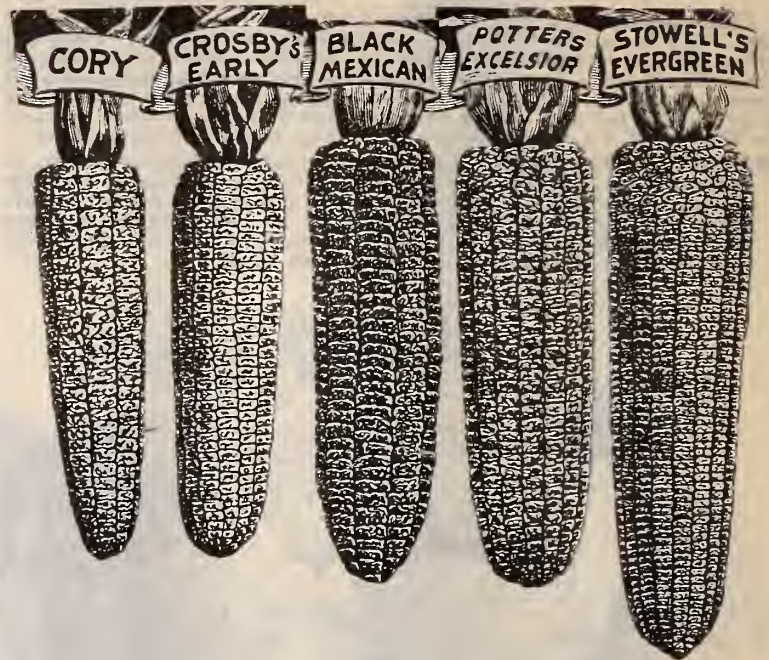
Pink Plume. This variety, when blanched, has a white heart and stems delicately shaded with a pale rose tint. It is particularly attractive and tempting when served at table. The stems are solid and of fine flavor. Pkt. 10c., oz. 25c., ¼ lb. 70c., lb. \$2.50.

Soup Celery. Seed for flavoring soups, pickles, etc. Oz. 5c., ¼ lb. 15c., lb. 40c.



Paris Golden Self-Blanching Celery.

Sweet Corn



If ordered sent by mail, add 8c. per quart.

CULTURE. Plant in hills 3 feet apart in a warm soil. The earlier varieties should not be planted before the middle of May. Nothing is gained by planting too soon. The best varieties having shriveled seed are liable to rot if planted before the soil becomes warm. Hoe frequently, draw soil up around stems, remove all side-shoots. The ground should be thoroughly enriched with well-rotted manure, or with the celebrated Hubbard fertilizer. Our corn is all choice eastern grown, and must not be compared with the western grown stock, which is sometimes offered at very low prices. One quart of seed for 200 hills, 10 quarts to an acre.

Country Gentleman. A main crop variety. Deliciously sweet and tender; quite distinct from any other sort; frequently produces five ears on a tusk. The cob is very small, with deep, pearly white kernel. This undoubtedly is the finest Sweet Corn grown. Pt. 20c., qt. 25c., pk. \$1.50, bu. \$4.50.

Dwarf Extra-Early Cory (red cob). Very early, dwarf; large reddish kernel. Pt. 15c., qt. 30c., pk. \$1.25, bu. \$4.00.

Early Cory White Cob. A selection from Red Cory, over which it is a great improvement, having white kernels and white cob. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.00.

Early Minnesota. Dwarf; of excellent quality, quite early. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.00.

Early Marblehead. Very similar to Cory; very good for an early variety. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.00.

Early Crosby. A dwarf, remarkably sweet, early sort, frequently 12-rowed. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Crosby (Josiah Crosby Strain). A very popular variety; grain very thick and sweet; fine market sort. Pt. 20c., qt. 35c., pk. \$1.50, bu. \$5.

Harmon's Selected. A late corn of great excellence. This variety, unlike Stowell's Evergreen, will always ripen in this section. Ears large, sweet and 12-rowed; a strong grower, the stalks being very useful for fodder. This is undoubtedly the best late market variety grown. Pt. 20c., qt. 35c., pk. \$1.50, bu. \$5.

Ne Plus Ultra. Sometimes called "Shoe-Peg," from its deep, narrow grains. Ears medium size, rows very irregular; very sweet and splendid for private use. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Potter's Excelsior. One of the best and sweetest main-crop varieties. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Perry's Hybrid. Large 12-rowed variety, almost as early as Minnesota. Grain large and pure white, with red cob. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Stowell's Evergreen. This well-known and standard variety is extensively grown. Of splendid quality, fine for canners and market growers. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Black Mexican. Medium early; remarkable for its sweetness. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Burbank's Early Maine. The earliest variety grown. This corn is earlier than Cory; ears large, 8-rowed, with white grain and cob. Sweet, juicy and quite dwarf. The best variety for market-gardeners. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Metropolitan. A fine large-eared second-early, maturing with the Crosby. The stalks are of strong growth, 4 feet in height, bearing one or two large ears which are 8 inches long, 10 to 12-rowed, well filled with large grains of sweet flavor. It is one of the best large-eared early varieties. Pt. 15c., qt. 25c., pk. \$1.50, bu. \$5.

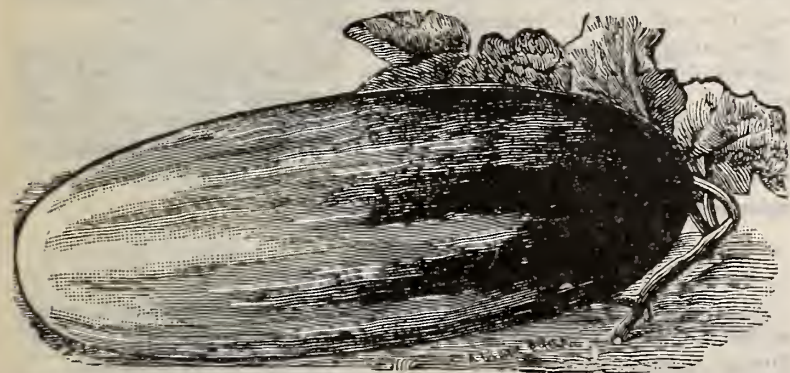
Field and Fodder Corn

- Evergreen Sweet.** Large, with many leaves. Qt. 10c., pk. 75c., bu. \$2.25.
- Early Sanford.** Grows very large, Qt. 10c., pk. 40c., bu. \$1.50.
- Leaming.** An early, hardy, dent variety; large, deep grains of dark-orange color; very fine for meal. Qt. 10c., pk. 35c., bu. \$1.25.
- Longfellow.** One of the best early yellow varieties, having long ears, with small cob. Qt. 15c., pk. 50c., bu. \$1.25.
- Red Cob Ensilage.** A white corn, very tender and juicy; short jointed; grows to a great height. Qt. 10c., pk. 35c., bu. \$1.25.
- Winn's Hybrid.** Well-known yellow flint variety. Qt. 15c., pk. 60c., bu. \$2.
- Blunt's Prolific.** Extensively used for ensilage. Pk. 30c., bu. \$1.25.

Cucumbers

CULTURE. Sow for early use about May 1, in heat. Plant in hills which have been previously prepared with some good rotten manure, about 4 feet apart. Inverted sods are an excellent medium for starting and growing Cucumbers on, as they can be readily transplanted from the hotbed to the hills without disturbing the roots. For main crop plant in hills about the end of May. Transplant, when possible, in the evening. Powdered hellebore and dry plaster are good preventives against the striped bug which is liable to trouble the plants. One ounce of seed for 50 hills, 3 pounds to the acre.

- Cumberland.** The best pickling sort known. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- Boston Pickling.** Short, smooth, pointed; bright green; heavy yielder. Good for pickling. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- Early Frame or Short Green.** Strong-growing; heavy cropper; medium size; early. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- Japan Climbing.** Vigorous; fruit straight and large, 12 to 16 inches long; delicate flavor. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.
- Early Green Cluster.** Good color, about 5 inches long, tender and crisp; prolific. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- Early Russian.** A very early small variety. Splendid for pickles. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- IMPROVED WHITE SPINE.** One of the best varieties for general purposes; fruit very even in size, dark green, crisp, excellent. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- Long Green.** A good late variety. Fruit of good length, tender, productive. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.
- West Indian Gherkin.** Very small fruit, suitable only for pickles. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.
- Nichol's Medium Green.** Light green, full at both ends. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.



Improved White Spine.

Dandelion

Sow the seed in May or June, in drills half an inch deep and a foot apart. Cultivate to keep down the weeds during summer, and upon the approach of severe weather cover with litter, which should be removed the following spring. Excellent as early greens and considered very healthful. One ounce of seed for 200 feet of drill.

- Improved Thick-Leaved.** Large, tender, finest. Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.
- Broad-Leaved.** Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.
- Common.** Pkt. 5c., oz. 20c., ¼ lb. \$1.

Eggplant

CULTURE. Sow in hotbeds early in spring. When up 2 or 3 inches, transplant into small pots and plunge in earth, so as to get the plants well rooted and stocky. Late in spring, or not until early summer unless the weather be warm, transplant into thoroughly worked, rich and recently well-manured ground. A good plan is to open a deep, wide trench, nearly fill it with manure, cover with earth and plant therein, placing the plants 3 feet apart each way. The seed does not always germinate freely; repeated sowings are sometimes necessary. 1 ounce of seed for 300 feet of drill.

Early Long Purple. Earlier and hardier than Round Purple and will succeed farther north. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

New York Improved. The leading market variety and undoubtedly the best for size, quality and productiveness. Pkt. 10c., oz. 35c., ¼ lb. \$1, lb. \$3.50.

White. For early use; should be used when young. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.

Endive

Green Curled. The hardiest variety. Leaves dark green, readily blanching white. Most useful as a salad and much used for garnishing. Pkt. 5c., oz. 15c.

White Curled. A variety of white tint. Pkt. 5c., oz. 20c.

Kale or Borecole

Curly, loose-leaved plants of the Cabbage family; very hardy, succeeding in almost any soil. Are improved in flavor after frost. Sow seed in May and transplant in June. One ounce of seed produces about 1,500 plants.

Green Curled Scotch. Leaves dark green, curled and wrinkled; very hardy. Pkt. 5c., oz. 10c., ¼ lb. 30c.

Improved Dwarf Green Curled. Rarely exceeds 18 inches in height, but spreads out under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green. Pkt. 5c., oz. 15c., ¼ lb. 40c.

Kohlrabi

This plant, used both for table and for cattle feeding, is a cabbage in which the cultural development has been directed to the stalk, not to the leaf. The enlarged stalks take the form of turnips, but are more hardy and nutritious. Give same cultivation as cabbage. Yield 300 or 400 bushels to the acre for cattle. 1 ounce of seed for 300 feet of drill.

White Vienna. Bulbs light green, short leaved, very rapid in growth. Pkt. 5c., oz. 20c.

Purple Vienna. The bulb of this variety is purple, and later than the White Vienna. Pkt. 5c., oz. 25c., ¼ lb. 75c.

Water Melons

Black Spanish. Round, slightly ridged and very dark green; firm crimson flesh, very sweet and of excellent flavor. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Citron for Preserving (Red Seed). Small round variety, used for preserving. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Mountain Sweet. Large, oblong, dark green; flesh solid and of excellent quality. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Phinney's Early. Flesh deep red, of fine quality; quite hardy. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Scaly Bark. A large, oblong fruit; flesh red and very tender; skin covered with mottled green spots, resembling fish scales. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Leek

CULTURE. The Leek is generally considered superior to the onion for soups; it is very hardy and easily cultivated. Sow in drills a foot apart in April, and transplant in July in rows 15 inches apart, and 6 inches from plant to plant. The plants should be set 5 inches deep in rich, moist soil: One ounce of seed for 1,000 plants.

Large London Flag. Very large, thick stem. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Lettuce

CULTURE. The seed should be sown thinly in drills, where the heads are to be grown, or in seed beds and transplanted to the rows. Thin out when up, so that the young plants may be strong and stocky and have ample room in which to form heads. Keep the soil constantly loose by frequent hoeing. When thinning or transplanting, the plants should stand from 8 to 12 inches apart. One ounce of seed for 150 feet of drill.



Big Boston Lettuce.

BIG BOSTON. A large variety, most desirable either for forcing in cold frames or open-ground planting. Always produces large, solid heads. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

Boston Curled. Esteemed for its earliness and good appearance. Highly ornamental in growth; leaves frilled. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

Brown Dutch. Large, thick green leaves, tinged with brown; very large, solid heads. Exceedingly hardy. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

Deacon. A medium-sized variety for summer. Leaves plain and dark green. We recommend this variety as being very superior and one of the best. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.

Early Curled Silesia. Early and tender, leaves yellowish green; good for either home or market-garden. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.00.

Hanson. Extensively grown for market, as it is always sure to make large, handsome heads of excellent quality; outer leaves green, light veins, inner leaves white. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

Salamander. An excellent variety for summer, forming large heads, which stand the heat and drought better than any other sort. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25.

Tennis Ball (Black-Seeded). Splendid for outdoor cultivation; forms a very compact head, crisp and tender. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.

Tennis Ball or Boston Market (White-Seeded). A well-known forcing variety. Heads firm, good size, very white and crisp. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.

Trocadero. A very desirable, hardy variety, for spring or summer. Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.50.

Victoria Cabbage (Black-Seeded). A very useful variety of excellent quality; stands the summer well. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.

White Chavigne. A broad-leaved, vigorous-heading sort. White, showy and very desirable. Splendid for open-air cultivation. Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.25.

White Cos. Habit of growth upright. The leaves require tying up to insure blanching. Pkt. 5c., oz. 20c., ¼ lb. 35c., lb. \$1.25.

Martynia

CULTURE. Seed may be sown in the open ground in May, 3 feet apart in each direction, where the plants are to remain; or sow in hot-bed and transplant the seedlings afterward.

Proboscidea. Pick when small and pickle like cucumbers. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Muskmelons

Melons should be planted on light, sandy, rich soil, and after all danger of frost is over and the ground has become warm, in hills about 4½ feet in each direction. Cultivate until the vines cover the ground; pinch the ends of the growing shoots to induce early fruiting. If wanted for early use seed can be sown on pieces of sod in hotbeds or in pots. Lime or ashes sifted over the young plants when the dew is on is excellent to prevent the attack of insects.

Green Citron. Early round, of fine flavor, green-fleshed. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Green Nutmeg. An excellent variety of large size. Round and deep-ribbed, skin light green and netted. Flesh very thick and of a delicious flavor. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Large Round Yellow Canteloupe. Round; flesh reddish orange; skin netted, yellow when ripe. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Large Yellow Musk. Large; flesh reddish orange, of excellent flavor; early and productive. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Montreal Nutmeg. A splendid variety of large size, sometimes weighing 18 to 20 pounds. Round and flattened at both ends; skin light green and netted; flesh remarkably thick and delicious. Good market sort. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Pineapple. Oval, medium-sized fruit; skin dark green and netted; flesh green, thick, highly flavored. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Surprise. Resembles Nutmeg in shape. Thin, cream-colored and heavily-netted skin; flesh deep salmon-colored, thick and very fine in flavor. It is very prolific, popular and one of the best varieties for home or market use. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.

Mushroom Spawn

How to Grow Mushrooms

Preparation of Material. This is the most essential point to be studied to insure success. Procure fresh stable manure, which should consist half of droppings, half of short litter. This must be thoroughly turned over every day for about a fortnight. Manure obtained from unhealthy cattle, or from those that have been fed on green food or carrots, should not be used for this purpose.

For Making Outdoor Beds. The material should be put into a heap, the measurement of which should be, when made up, 2 feet 6 inches at bottom, 2 feet 6 inches high, and 6 inches wide at the top, and to any length required, the whole to be firmly put together. After making the bed put stakes down the center by which to gauge the heat, and cover all with long litter. After three or four days pull out the stakes, and when the temperature is at about 80 degrees the bed is ready for spawning. Break the spawn into pieces about the size of a hen's egg and put into the bed about 8 inches apart; cover the whole with fresh loam and beat it well, making the surface quite firm; lightly water, and smooth the surface with the back of a spade; finally cover up with long litter and mats to keep away light and excessive moisture.

Mushrooms may also be grown in any shed or cellar where the temperature does not fall below 45 degrees. The best site for a bed is a hard dry floor. When made up and well pressed down, in about six weeks Mushrooms should show, and the bed should then have a light watering with tepid water about every ten days, as success depends on maintaining an even temperature.

Imported Spawn. Lb. 15c., 8 lbs. \$1.

Mustard

CULTURE. Sow seed in spring in drills a foot apart. To have a succession, sowing should be made every two or three weeks until October. Mustard should be cut when young; when old the flavor is strong.

White London. Excellent for salad; grows rapidly. Oz. 5c., ¼ lb. 10c., lb. 25c.

Brown or Black. Considered more pungent than the White. Oz. 5c., ¼ lb. 10c., lb. 25c.

Okra or Gumbo

The pods when young are used in soups and stews. Sow in spring in rows 3 feet apart and 2 inches deep; thin out so the young plants are about a foot apart. One ounce of seed to 40 feet of drill.

Dwarf Green. Large, tender pods; very productive. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

White Velvet. Large, smooth pods; used to thicken soups. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Onions

To insure a good crop of Onions it is necessary that the soil should be rich and kept free from weeds. Use plenty of well-rotted manure and plant the seed as early as possible in the spring. Sow in drills a foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not destroy the sprouting seed. When the plants are about 3 inches high, thin them to 2 inches apart; stir the ground freely and frequently without disturbing the young plants. An ounce of seed to 100 feet of drill.

Our Seed is saved from selected bulbs and is all eastern grown, as California grown seed does not prove satisfactory in this climate.



Large Red Wethersfield.

Yellow Globe Danvers. An oval, straw-colored, long-keeping variety of good quality. Pkt 5c., oz. 10c., ¼ lb. 30c., lb. \$1

LARGE RED WETHERSFIELD. Deep red in color; an immense yielder and splendid keeper. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Extra-Early Flat Red. Flat, medium size, deep red; earlier and flatter than Wethersfield. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.

New White Queen. Very early, white skin, flat, small and mild-flavored; grown extensively for sets, also for pickling and bunching. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

White Portugal or Silver Skin. A large flat, white Onion of mild and pleasant flavor; hard, fine-grained and a good keeper. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.

Yellow Globe Danvers, Selected Stock. This represents the product of years of careful selection and is the most perfect type of Yellow Globe Danvers, which is undoubtedly the best known and most popular of all Onions. Globular in shape, has a small top of fine appearance and is an excellent keeper. Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$2.

Onion Sets

Potato Onion Sets. Qt. 25c. **White Onion Sets.** Qt. 25c.

Red Onion Sets. Qt. 20c. **Yellow Onion Sets.** Qt. 20c.

Top or Button Sets. These produce on the top of the stalk, instead of seed, a number of small Onions about the size of acorns, which if planted, will produce a large Onion maturing earlier than if planted from seed. Qt. 20c.

Parsley

CULTURE. The best success is obtained by sowing Parsley on rich, mellow land, and as the seed germinates very slowly they should be soaked in warm water about 3 hours before sowing. Sow in drills about 15 inches apart, covering the seed to the depth of half an inch. Parsley may be had during the winter by lifting the plants and placing them in a light cellar.

Doubled Curled. Dwarf, beautifully curled, excellent for garnishing. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Fern-Leaved. A highly ornamental variety, extensively used for table decoration; leaves finely cut. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Parsnips

CULTURE. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering the seed half an inch deep. When the plants have grown large enough, thin out to 6 inches apart in the rows. Parsnips are improved by the frost, and it is a usual custom to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required.

Abbott's Improved or Long Smooth. A standard variety with long, smooth, white roots. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Hollow Crown. Considered the best for general use; roots medium in length, with small tap-root; has a very clear, smooth skin. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Peas

CULTURE. The Pea thrives best in light, loamy soil. The early and dwarf sorts require rich ground. The first planting should be made as early in the spring as the soil can be worked in fine, loose condition. The small, smooth varieties are the best for early planting, as the frost does not injure them. When the weather becomes warmer, seed of wrinkled varieties may be sown. Sow in drills and cover to a depth of 4 inches. For dwarf varieties rows should be 2 feet apart; tall varieties should have 4 feet between the rows. One quart of seed to 100 feet of drill; two bushels to the acre.

If wanted by Mail, add 15 cents per quart.

SIR THOMAS LAXTON. See following page. A magnificent new Pea of great merit.

Alaska. One of the earliest blue Peas; productive. Height 2½ feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.

American Wonder. Among the earliest; good form and size. Height 1 foot. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

Carter's First Crop. One of the most popular, early, round-seeded varieties. Height 3 feet. Pt. 20c., qt. 30c., pk. \$1.50, bu. \$5.50.

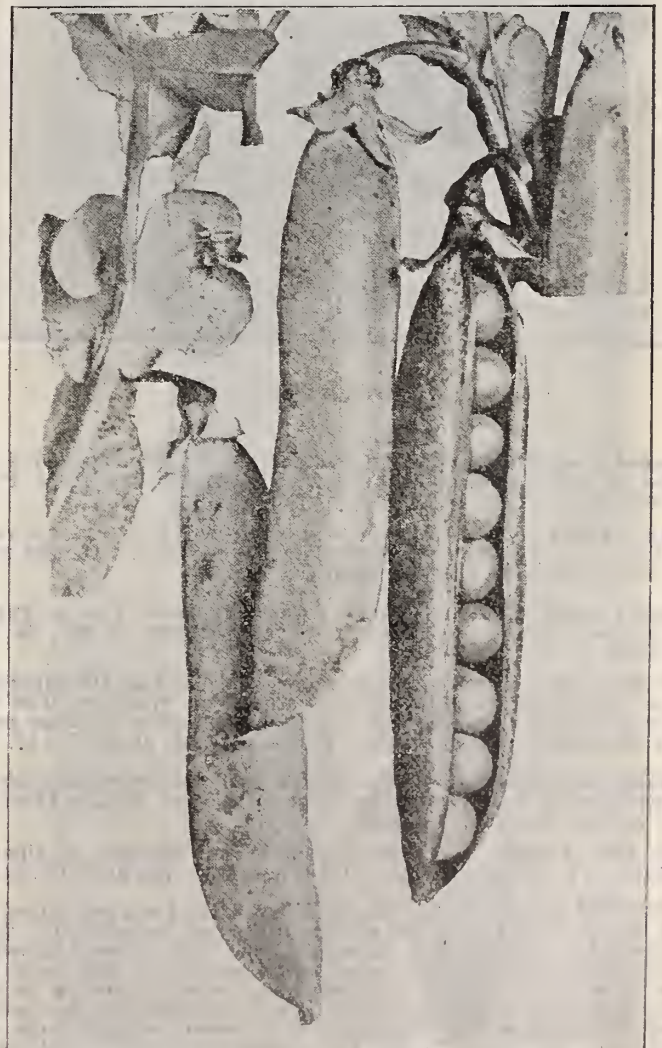
Cleveland's Eclipse. Extra early; productive; excellent flavor. Height 2½ feet. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.50.

Exonian. One of the finest extra-early wrinkled Peas. Height 2½ feet. Pt. 20c., qt. 35c., pk. \$1.75, bu. \$6.50.

Extra-Early Premium Gem. A wrinkled Pea with straight, well-filled pods. An improvement on Little Gem. Height about 15 inches. Pt. 20c., qt. 30c., pk. \$1.75, bu. \$6.

First and Best. A well-known, smooth-seeded sort; very early and prolific. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

GRADUS or PROSPERITY (new). A new, large-podded, first early, wrinkled variety. This represents the greatest advance yet achieved in early Peas, for although the variety ripens with the earliest, the deep green pods are large and well filled, of excellent quality. See also page 8. Height 3 feet. Pt. 25c., qt. 50c., pk. \$2.75, bu. \$10.



Dwarf Telephone Pea.



Gradus Pea.

Improved Daniel O'Rourke. Extra-early sort; smooth-seeded; produces an abundance of well-filled pods. Height 2½ feet. Pt. 15c. qt. 25c., pk. \$1.25, bu. \$4.50.

Laxton's Alpha. One of the earliest wrinkled Peas in cultivation. Of fine quality and very prolific; pods well filled. Height 3 feet. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.50.

McLean's Little Gem. An early, dwarf, wrinkled Pea of superior flavor and very prolific. Height 1½ feet. Pt. 15c., qt. 30c., pk. \$1.25, bu. \$6.50.

Nott's Excelsior. The sweetest and most prolific of all the early dwarf Peas; outyields Premium Gem or American Wonder. The vines are vigorous and very prolific; pods well filled with large peas of very fine flavor. Height 1 foot. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.

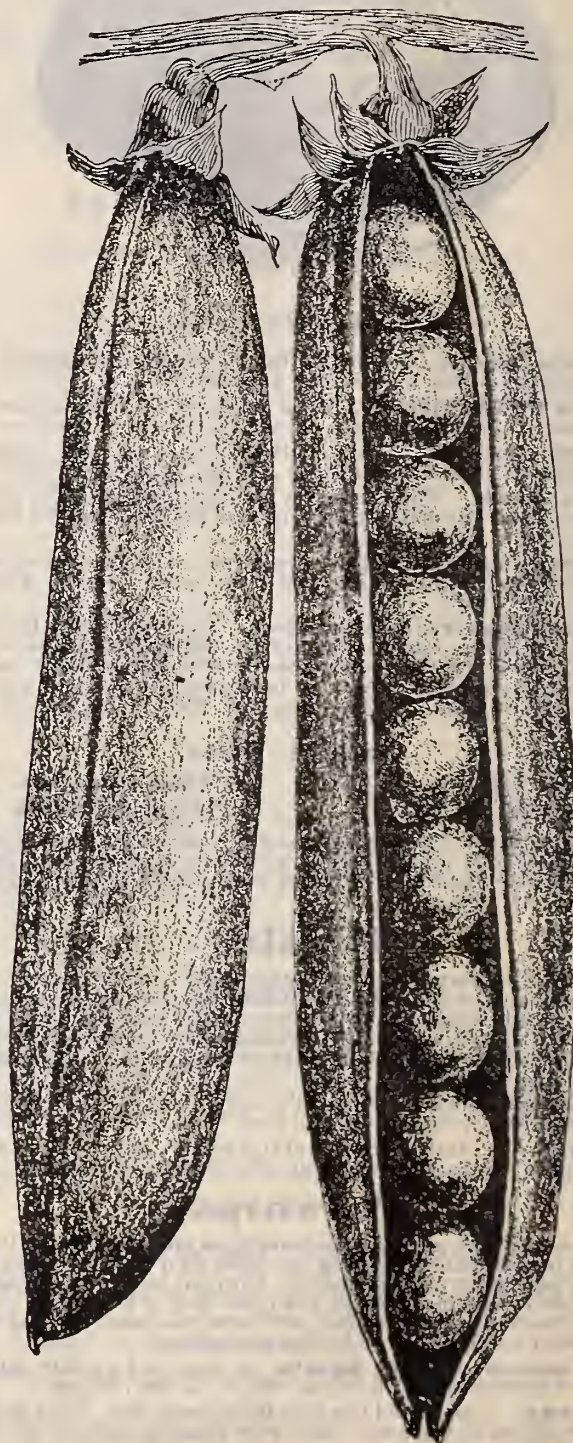
Philadelphia Extra-Early. For quality and productiveness this variety is excelled by few of the early smooth Peas. Height 3 feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Rural New Yorker. Very early, prolific and uniform in ripening; smooth sort. Height 2½ feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

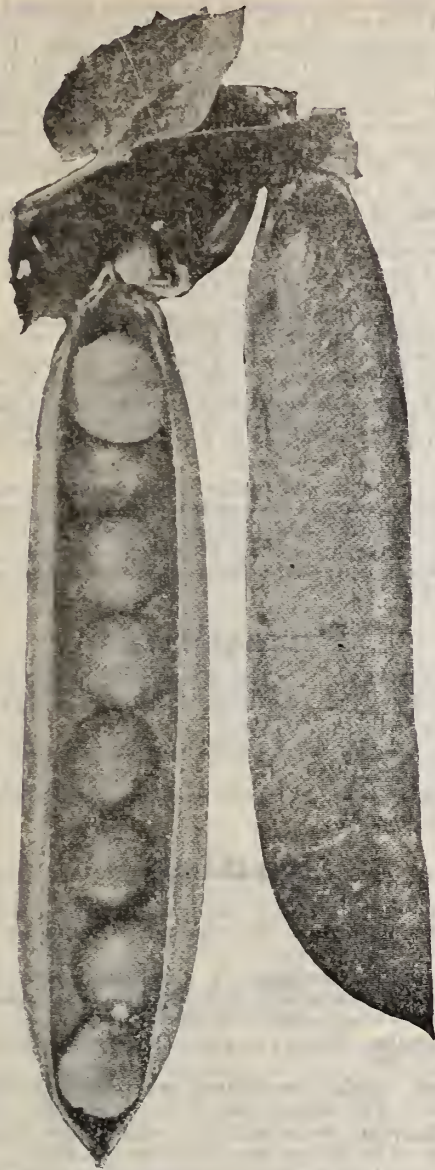
SIR THOMAS LAXTON. One of the finest early Peas yet introduced, and we are confident of its giving universal satisfaction. It was obtained by crossing a fine extra-early sort with the well-known and popular Gradus, and ripens among the earliest of the early Peas. The vines are particularly vigorous and sturdy, growing to about three feet in height, standing up firmly and bearing an enormous crop. The pods are very large and carry seven or eight large wrinkled peas of exquisite flavor. It is earlier than Gradus, and the pods are somewhat darker in color. It is bound to be a favorite with market-gardeners on account of its prolificness. Pt. 25c., qt. 50c., pk. \$2.75, bu. \$10.

GRADUS. As an extra-early Pea, Gradus is a distinct improvement over the old standards. It has been on the market but a very short time and has become a favorite wherever tried. The pods are of a deep green and are compactly filled with seven or eight large, tender peas of splendid flavor. The vines are strong-growing and exceedingly prolific, and we can confidently recommend it to the most captious. This is one of the largest-podded of the extra-early varieties—in fact, judging by its size one would imagine it was one of the big late varieties. The vines grow to a height of three feet. An excellent illustration of this Pea will be found upon this page. Pt. 25c., qt. 50c., pk. \$2.75, bu. \$10.

Nott's Excelsior. While not a new variety, this is one of such sterling merit that we include it in our specialties, knowing that, in its class, it is unsurpassed. It is extremely early and one of the most prolific of the dwarf Peas. The vines grow only one foot in height, bearing their immense crop well off the ground. The peas are sweet and tender, and the vines vigorous and strong. Pt. 20c., qt. 35c., pk. \$2.00, bu. \$7.



Duke of Albany Pea.



Sir Thomas Laxton Pea.

Second-Early Varieties

CARTER'S DAISY (new) This variety is one of the finest of the dwarf, early wrinkled Peas. It is crossed between Culverwell's Giant Marrow and Stratagem, the result being a distinct-looking Pea. The vine in an average season grows 12 to 18 inches long, and is covered with pods 5 inches in length, containing eight to ten deep-colored peas of delightful flavor. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.50.

Bliss' Everbearing. This variety matures soon after Advancer, and continues a long time in bearing. Vines stout, about 2½ feet high, producing at the top six to ten broad pods. If the pods are removed as they mature, the plant will throw out branches bearing pods that mature in succession, thus prolonging the season. Peas large, wrinkled, of fine flavor. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Bliss' Abundance. Remarkably productive and of excellent quality; the plant is of a branching habit. Height 3 feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

Dwarf Champion. This is a valuable second-early wrinkled Pea. It is a robust grower, producing long, handsome, well-filled pods; good flavor. Height 2 feet. Pt. 15c., qt. 25c., pk. \$1.50, bu. \$5.00.

Heroine. Produces large, recurved, showy pods containing seven or eight peas, resembling Pride of the Market, but is a deeper green both in vine and pod; enormously productive. Height 2½ feet. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.

Hosford's Market-Garden. A fine wrinkled variety, coming in about the same time as advancer; it is a prolific bearer and has yielded more per acre than any other American variety. The pods are of medium size, but very abundant and well filled with peas of a delicious, sweet flavor; should be planted thinly to obtain the best results. Height 2½ feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$5.

McLean's Advancer. A well-known standard sort. Very productive; pods of fine appearance; very uniform in ripening; popular with market-growers. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

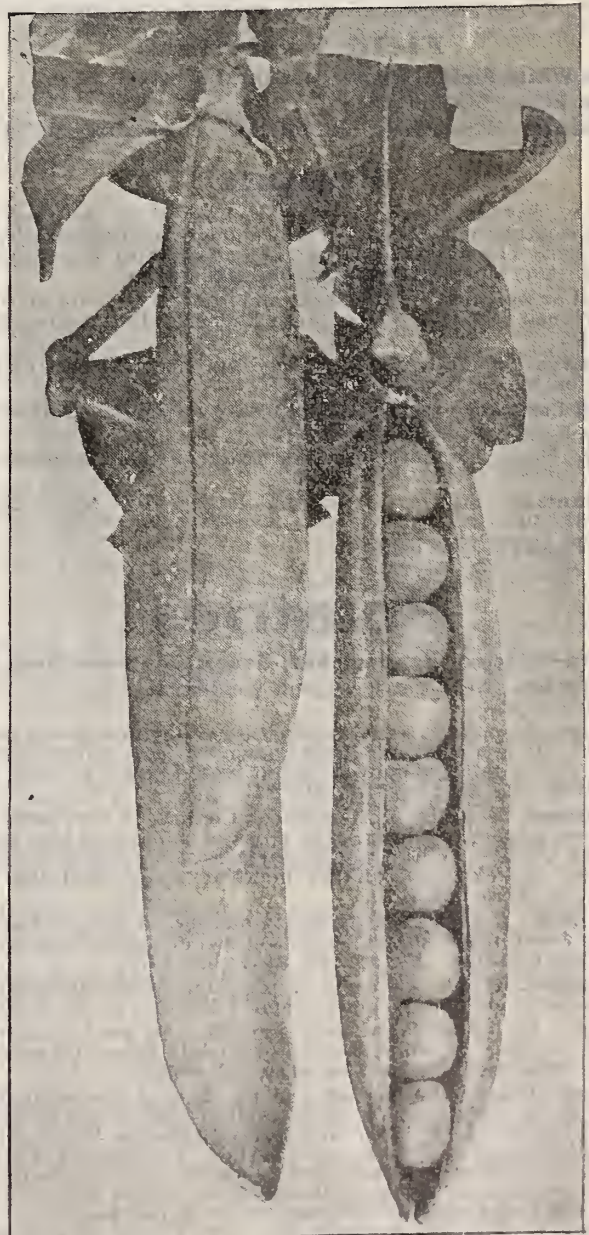
Pride of the Market. The enormous productiveness and splendid appearance of this variety make it very popular among the market-gardeners. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.50.

Sharpe's Queen (new). In habit, cropping qualities, color and flavor it is the perfection of a Pea for every purpose, and by successive sowing a continuous crop can be obtained. Sharpe's Queen is a blue wrinkled variety of a sturdy, branching habit. It requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large, green, slightly curved, and so filled with peas that when opened it would appear impossible that they could be held in one pod. The peas are large oval, deep green, and of a delicious flavor. Height 2½ feet. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$6.

The Admiral (new). A superb Pea of robust constitution, which enables it to bear an enormous crop of large, deep green peas of splendid quality. Height 3 feet. Pt. 15c., qt. 35c., pk. \$2, bu. \$6.

Yorkshire Hero. A splendid large marrow Pea of vigorous growth, bearing an abundance of large, well-filled pods, containing eight or nine peas of delicious flavor. Height 2½ feet. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.50.

IMPROVED STRATAGEM. The very finest of the second-early varieties, and, as its name indicates, a great improvement over the old "Stratagem" Pea. The vines are low-growing and of sturdy and compact growth, bearing immense crops of large, handsome, dark green, well-filled pods full of tender, luscious peas of splendid flavor. The vines grow to a height of two feet and are remarkably sturdy and strong. In its class it is sure to give satisfaction, and we can conscientiously recommend it to the market-gardener or amateur, knowing it will amply recompense those who plant it. This Pea will undoubtedly become the standard of its class, and it has more than excelled the expectations of its introducer. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.



Improved Stratagem.

Main and Late Crop Varieties

- American Champion.** Late, large, wrinkled variety; though not quite so late or tall as Champion of England, it is equally as productive. Height 4 ft. Pt. 20c., qt. 35c., pk. \$1.75, bu. \$6.50.
- Champion of England.** This old favorite is considered by many to be equal to any of the late varieties in quality and productiveness. Height 5 ft. Pt. 15c., qt. 25c., pk. \$1.25, bu. \$4.
- DWARF TELEPHONE** (Selected Stock). Resembles the old variety, but is dwarfier. Height 2 ft. Pt. 20c., qt. 35c., pk. \$2, bu. \$7.50.
- Juno.** Vines very robust; immensely productive. The pods are large and broad-backed, being filled to the ends with delicious dark green peas of immense size. Height 2½ ft. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.
- Prince of Wales.** An excellent white, wrinkled, main-crop variety. It is wonderfully prolific, bearing a heavy crop of large, dark green pods, which are closely packed with large peas. Height 3 ft. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$5.
- Telephone** (Selected Stock). This splendid variety is one of the most prolific in cultivation, and specially recommended as a reliable sort for late cropping. The plant is of strong, vigorous growth and branching habit. Pods are long and well filled; the peas are of good flavor. Height 4 ft. Pt. 15c., qt. 30c., pk. \$1.75, bu. \$6.
- Black-Eyed Marrowfat.** Very popular and hardy; a great yielder. Height 4 ft. Pt. 15c., qt. 20c., pk. \$1, bu. \$3.
- White Marrowfat.** A favorite sort. Large, smooth, white seed. Height 4 ft. Pt. 15c., qt. 20c., pk. \$1, bu. \$3.
- DUKE OF ALBANY.** Amongst the large-podded late varieties this remarkable Pea is considered by all growers to be absolutely the best. It is extremely prolific and has the decided advantage of ripening all of its pods well together—a quality which recommends itself forcibly to market-gardeners. The vines are strong and vigorous, growing to the height of four feet, and the pods are large, dark green and well filled with large, tender peas of a flavor as delicious as the best early varieties. The trouble heretofore existing to get the desirable qualities of taste and tenderness of the early Peas into the late varieties has been almost insurmountable, but in this Pea the problem has been solved. That it will soon become a general favorite there can be no doubt. Pt. 20c., qt. 35c., pk. \$1.75, bu. \$6.50. See cut on page 8.

Field Varieties

- Canadian White Field.** Pk. 60c., bu. market price.
- Wisconsin Blue.** Market price.
- Melting Sugar.** Edible Pods. Pt. 15c., qt. 30c., pk. \$1.50, bu. \$6.

Pepper

- CULTURE.** Sow in March or April in heat, or in the open ground when the weather has become warm enough; transplant when about 3 inches high. The rows should be 3 feet apart, with 18 inches between the plants. One ounce of seed for about 2,000 plants.
- Large Bell or Bullnose.** Fruit large and mild; a favorite for pickling; thick-skinned; the best of the large Peppers. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.
- Large Squash.** Tomato-shaped, of medium size; the best for pickles. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.
- Large Red Cayenne.** Long, slender and very pungent. Splendid color. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.25.
- Red Chili.** Small, slender, bright red fruit; the best for pepper sauce. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.
- Sweet Mountain.** Similar to Bell, but larger. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.
- PPER PLANTS.** See page 24.

Potatoes

- All Extra-Selected, Hand-picked, Aroostook-grown Seed Stock**
- Early Surprise.** New, early, a good yielder, fine quality. Pk. \$1.50, bu. \$2.50, bbl. \$5.
- Early Rose.** An oblong, round, reddish Potato, which shows red inside when cut. It is an old and well-known variety; very early, of fine quality and a fair yielder. It is too well known to need further description. Pk. 50c., bu. \$1.75, bbl. \$4.
- Early Harvest.** A seedling of Aroostook County. A very early Potato. A vigorous grower, yielding large crops of smooth, white tubers of excellent quality. While not so early as some other varieties, its large yield and excellent quality make it a very desirable Potato. Pk. 40c., bu. \$1.25, bbl. \$3.50.
- Early Oxford.** A variety of excellent quality, as early as Early Rose, which it resembles in shape, but is somewhat lighter in color; grows very uniform in size. Pk. 50c., bu. \$1.75; bbl. \$4.
- Early Norther.** A splendid early variety, considered superior to Early Rose. A large yielder and good keeper. Pk. 40c., bu. \$1.50, bbl. \$4.
- X X Early.** An exceedingly early variety. Of good quality and a splendid yielder. In color it resembles Early Rose, and is equally as good for table use. Pk. 40c., bu. \$1.50, bbl. \$3.75.
- New Queen.** One of the earliest and the best of the early Potatoes grown. In color and shape it very closely resembles the Hebron, from which it is derived. It is not so heavy a yielder as White Elephant, but equals Beauty of Hebron and is earlier. On account of its resemblance to the others, it is very hard to get the seed true to name, and many unscrupulous dealers substitute the others for it. The true Queens are very desirable. Pk. 40c., bu. \$1.75, bbl. \$4.
- Carman No. 1.** A very large, handsome white Potato. Season medium. Skin strongly netted and a little inclined to irregularity of surface. Pk. 40c., bu. \$1.50, bbl. \$3.75.

Carman No. 3. A smooth, rounded, somewhat flattened white Potato, very mealy and nice when cooked. Yields uniformly good crops, and is an especially desirable Potato for the main crop. It is rather later than Hebron in its time of ripening. Pk. 40c., bu. \$1.50, bbl. \$3.75.

Green Mountain. Very smooth, symmetrical, almost round and somewhat flattened. Its excellent quality and large productiveness make it one of the most popular Potatoes grown. It is now the leading Potato in the large markets, and always brings a better price than any other variety. It is medium in time of ripening, and always gives a big crop. Pk. 40c., bu. \$1.75, bbl. \$4.

Beauty of Hebron. A medium early Potato, with pinkish white skin, very dry and mealy; in all respects the standard Potato. In time of ripening it is between New Queen and White Elephant, both of which resemble it and have been mixed with it so that it is very difficult to get pure stock. Pk. 40c., bu. \$1.50, bbl. \$4.

Delaware. A smooth white Potato, growing unusually large and uniform tubers of excellent quality. It is a very heavy yielder, and sells for the highest market price. No Potato on the market has so many good qualities to recommend it. Pk. 40c., bu. \$1.50, bbl. \$4.

Irish Cobbler. A most reliable and popular of the early varieties; creamy white color; fine quality; rank grower. Ripens evenly and a good keeper. In short, it is one of the best Potatoes on the market to-day. Pk. 50c., bu. \$1.75, bbl. \$4.

White Rose. One of the best white early varieties to be found. An excellent cropper, smooth and quite free from disease. For early market use. Pk. 50c., bu. \$1.75, bbl. \$4.

Early Six Weeks. It is the earliest Potato now grown; medium sized; smooth skin; shallow eyes and fine texture. Color is pink. Pk. 50c., bu. \$1.50, bbl. \$3.75.

Pumpkins

- Large Cheese.** Flat, like a cheese, hardy and productive; one of the best for family use. Two quarts of seed to an acre; hills 8 by 8 feet. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.
- Sugar or Sweet.** Fine-grained, sweet, excellent for pies; prolific. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 75c.
- Connecticut Field.** Very productive; excellent for stock. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 30c.

Radish

Radishes succeed best in a light, sandy soil. Sow at intervals of two weeks for a succession through the summer. One ounce of seed for 100 feet of drill.

Extra Early Scarlet Forcing. A small-leaved variety, specially adapted for forcing under glass; skin bright scarlet; matures in about twenty days. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Early Scarlet Turnip. Early; of good shape and color. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

French Breakfast. Pink, olive-shaped, white-tipped. One of the most popular varieties. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Long Brightest Scarlet. Scarlet, tipped with white; sweet and crisp; good for forcing. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 65c.

Long Scarlet. Excellent quality; for market or home use. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Non Plus Ultra. Good for forcing; round; bright scarlet; delicate flavor. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Round Black Spanish. White flesh. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Scarlet Olive-Shaped White-Tipped. Crisp, tender and sweet. Matures in three weeks. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Scarlet Olive Shaped White-Tipped (for forcing). Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. 60c.

Rhubarb

CULTURE. Give a deep, rich soil, trenched to the depth of two feet. It is usually propagated from roots. If grown from seed, sow early in spring, in drills a foot apart, thinning out to a foot apart in the rows. Transplant in the fall or following spring about three feet apart each way. One ounce of seed for 75 feet of drill.

Myatt's Linnæus Giant. An early and very fine variety; leaves and stalk immense. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$1.50.

Myatt's Victoria. Later than the above, but equally large and desirable. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$1.50.

RHUBARB ROOTS. See page 24.

Spinach

CULTURE. For summer use sow early in spring, in drills 15 inches apart, and make successive sowings every fourteen days. For spring use sow in September and cover with light litter in November. One ounce of seed to 75 feet of drill, 10 pounds to an acre.

Bloomsdale or Savoy-Leaved. A heavy cropper. Large, tender, curled leaves; of fine quality and very hardy. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.

Round Thick-Leaved. A standard sort, good for either spring or fall sowing. Leaves are thick and tender. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.

Long-Standing. Of excellent quality. Stands the longest before running to seed. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.

Prickly or Winter. Very vigorous and hardy; leaves are arrow-shaped. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.

Salsify or Oyster Plant

This plant produces an edible root in about ninety days. They are long, slim, white-fleshed, and have a smooth, white skin. Sow in April, in drills 18 inches apart, in deeply dug and well-manured land. Thin the plants to about 9 inches apart. One ounce of seed for 75 feet of drill.

Long White French. This is a standard variety. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Mammoth Sandwich Island. The largest variety in cultivation. Of good flavor. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Squashes

Plant in May, or as soon as danger of frost is past. The ground should be well prepared; light soils are best suited to their growth. Put six or eight seeds in a hill, and thin out to three or four seedlings. Plant bush varieties in hills five or six feet apart; running sorts ten feet apart. One ounce of seed to about 50 hills.

New Golden Bronze. A cross, some four years ago, of Bay State and Boston Marrow. In form the same as the latter, with stem and blossom end precisely like that variety, having also the same peculiar wrinkled appearance of skin. Size large, averaging from eight to ten pounds; color a dark grayish green, with bronze on upper surface when ripe; flesh an exceedingly bright golden yellow, fine-grained, very sweet and delicious. Early in maturing, a good keeper and yielder. The squashes are of very uniform size and appearance. For combining the qualities desired for the table this has no superior. Specimens grown in 1897 were kept until June 1898. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

American Turban. Flesh orange-yellow, fine-grained, thick. A splendid fall sort. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Bush Summer Crookneck. This is the best flavored of the early bush Squashes. Long; bright yellow. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Boston Marrow. Valuable variety; good keeper and of fine flavor. Pkt. 5c. oz. 10c., ¼ lb. 25c., lb. 75c.

Chicago Warty Hubbard. Extra large; heavily warted hard skin; flesh thick, tender and sweet; splendid keeper. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Early Prolific Marrow. Splendid winter Squash. Flesh dry, sweet, bright orange. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Essex Hybrid or Hard-Shelled Turban. Early and rapid-growing; thick, highly colored, solid flesh of the richest flavor. One of the best keepers. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

Hubbard. The favorite winter Squash; more extensively grown than any other sort. Very hard, dark green shell; flesh very thick, of fine flavor; unsurpassed for keeping. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

Mammoth Chili. Grows to an enormous size, often weighing nearly 200 pounds. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.

Marblehead. An excellent variety, resembling Hubbard, but has gray skin; a fine yielder and good keeper. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.

Winter Crookneck. A good fall variety; flesh close-grained and sweet. Plant 9 feet apart. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.

The Faxon. A medium-sized variety, very early and productive. Flesh orange color, of excellent quality; matures early enough for summer use. It is a splendid winter sort and a good keeper. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. 90c.

Yellow-Bush Scalloped. An early variety, excellent for shipping. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Tobacco

CULTURE. Sow the seed when all danger of frost is past, in rich, deep soil, in rows four feet apart, and thoroughly cultivate.

Connecticut Seed Leaf. Pkt. 5c., oz. 30c.

Tomatoes

CULTURE. Sow in March, in hotbed or greenhouse, in a temperature of not less than 60 degrees. When the plants are large enough, transplant into boxes about 4 inches apart, or separately in pots. If transplanted a second time the plants will be greatly benefited. Transfer to the open ground in June, planting deeply about four feet apart. A shovelful of well-rotted manure should be mixed with the earth of each hill. By using trellis for the plants the fruit will be much finer and larger. One ounce of seed for 2,000 plants.

Acme. Of fine shape and smooth outline, purplish crimson. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.

Canada Victor. One of the earliest varieties. Of medium size and very symmetrical. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Dwarf Champion. Dwarf, sturdy plants, quite distinct and early. Fruit of fine color, with few seeds. Pkt. 5c., oz. 30c., ¼ lb. 90c., lb. \$3.

Dwarf Golden Champion. Like Dwarf Champion except in fruit, which is of a bright golden yellow. Pkt. 5c., oz. 30c., ¼ lb. \$1, lb. \$3.

Essex Early Hybrid. Very early, large, solid, rich-flavored; perfectly smooth, purplish crimson; very productive. Pkt. 5c., oz. 30c., ¼ lb. \$1, lb. \$3.

Fordhook First. A perfectly solid, smooth Tomato of first-class appearance. The finest early variety we know. Pkt. 5c., oz. 30c., ¼ lb. 90c., lb. \$3.

Freedom. Ripens very early. Large, round, smooth, bright scarlet. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.

Lorillard. An old variety, but one of the best. Early, smooth, enormous cropper; beautiful color. Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.

Livingston's Beauty. Large, showy fruit; deep red with slight tinge of purple, growing on vines in clusters. Solid, meaty, smooth and free from rot or green core. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Livingston's Favorite. Large, smooth, productive; a good shipper. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.

Livingston's Perfection. Very regular, early and productive, good for shipping. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.

New Stone. A very superior sort, producing extraordinarily thick, solid red fruit borne in bunches. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.

Paragon. Bright crimson, smooth, solid; fruit large, a second-early variety. Excellent shipper. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.

Pear-Shaped Yellow. Yellow, shaped like a pear. Splendid for preserves. Pkt. 5c., oz. 30c., ¼ lb. \$1, lb. \$3.

Ponderosa. The largest variety in cultivation; very solid and of good flavor. Pkt. 10c., oz. 35c., ¼ lb. \$1, lb. \$3.50.

Red Cherry. Fruit small, about ½ of an inch in diameter, borne in clusters, very smooth and round. Very desirable for pickles or preserves. Ornamental. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Royal Red. Very strong and vigorous grower; fruit large, bright deep red, of good quality. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Red Cross. Medium early, productive, of fair size, bright red. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Table Queen. Early, large, smooth, very solid, and contains comparatively few seeds. An excellent variety of good color. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.

Trophy. One of the most popular varieties. Large, bright red; a splendid late variety. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Yellow Cherry. Same as Red Cherry except in color. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

TOMATO PLANTS. See page 21.

Turnips

CULTURE. Sow in spring, as soon as the ground can be worked, for early Turnips. July, until the end of September, is the best time for successful Turnip sowing. Rutabagas should be sown in June or early in July, in drills 18 inches apart. Thin Turnips when large enough, 6 to 9 inches apart. The seed should be sown before rain, in good, rich, well-worked soil. One ounce of seed for 150 feet of drill; two pounds to the acre, in drills.

Early White Stone or Six Weeks. An excellent early sort for general use; good keeper. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Extra-Early Purple-Top Milan. A remarkably early, distinct strap-leaved variety, coming into use before any other sort, being a week or ten days earlier than the ordinary early variety, and remaining a long time fit for use. The bulbs are white, with a purple top, round-flattened and solid. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

Early Purple-Top Strap-Leaf. This is the most popular of the Turnips. It is a quick grower; flesh tender, white, sweet. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Golden Ball. An excellent yellow variety; remains a long time fit for use. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

White Egg. A splendid table variety, good for early or late sowing. Oval in shape. Flesh firm, sweet and mild. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Yellow Aberdeen. Of round form, yellow flesh, of fine texture, nutritious and a good keeper. Excellent for feeding cattle. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Yellow Stone. A very popular yellow-fleshed variety, good for table use. Flesh very firm, tender, sweet and fine-flavored. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

White-Top Strap-Leaf. Similar to the Purple Top except in color. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Rutabaga or Swedish Turnip

Carter's Imperial Hardy Swede. One of the best of the yellow-fleshed Swedes. Bulbs large, with purple crown; good for table or stock. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Sweet German. White-fleshed, sweet and fine flavored; good keeper. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Skirving's Purple-Top. A well-known yellow-fleshed variety, of large size and fine quality. For stock or family use. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.



Harmon & Harris Co.'s Peerless Lawn Grass Seed

This mixture has been carefully prepared from the finest dwarf evergreen grasses and cannot fail to give satisfaction. We can supply a cheaper grade of Lawn Grass Seed, but we recommend our own as being superior to all others.

Quart 25c., peck \$1.25, bushel \$4.00. A cheaper mixture 15c. per pound.

HOW TO MAKE A LAWN. A well-made and properly kept lawn is always one of the most important features in connection with any garden, especially that surrounding a residence. Where it is improperly leveled and made in the first place, the defects in the surface caused by holes or subsidence of the soil in one place or another cannot well be satisfactorily remedied. The form and extent of the Lawn will, of course, vary in almost every case; the more it covers the better will be the effect produced if the work has been well done; and, on the other hand, the more prominently will any inequalities be seen. Lawn preparations should be commenced in the fall, and if the site is not naturally drained it must be made so artificially. An undulating or a gravelly subsoil will alone usually insure a sufficient drainage. The various levels should then be marked and the whole dug over about a spit deep and as evenly as possible. If the soil is of fairly good quality and not very heavy there will not be any difficulty in doing this or in the formation of the Lawn afterward. Where it is very poor and sandy the addition of some that is heavier and of better quality will be advisable, as there is a great difference throughout the season in the appearance of the Lawns, according to the depth and quality of the soil beneath. This may appear somewhat needless, but the work should be considered as one of permanent character, and after results will well repay the extra trouble and expense incurred. The soil, having thus been dug all over alike, should be allowed to remain until spring if possible, when exposure to rain and frost will have rendered it solid and in good condition for treading and raking down in preparation for turf or seed, whichever may have been intended. When recourse is had to grass seed they should be purchased from a reliable source, even though the price be higher than that usually paid; spurious stocks being worse than useless where a piece of fine grass is of first importance. The best season for sowing is in April, as the weather then experienced is usually more favorable than any other for the quick germination of the seed. It will be necessary to tread and work the ground all over, allowing the surface to be the full height required for the Lawn. The seed should be sown thinly on a calm day, and lightly covered by means of a wooden rake; and when the grass is well up a heavy roller may be drawn over it before mowing. From three to four bushels to an acre is about the quantity of grass seed required for a lawn. But so much depends on the quality of the mixture that it is uncertain whether this quantity will be sufficient. There are a few things necessary to bear in mind about a Lawn: Never buy so-called Lawn Grass Seed mixtures, composed of cheap, coarse-growing grasses, which are not lasting; that no Lawn can be maintained long in good order without frequent rollings; apply water freely in dry weather, for mere sprinklings are best left alone.

Special Mixture for Golf Links. Specially prepared to withstand the wear and tear and retain its green appearance.

Mixture for Putting Greens. Made of the most desirable dwarf hardy grasses which are permanent.

Harmon's Mixture for Shady Places. Particularly adapted for sowing under trees and in other shady places where other grasses fail to grow.

Special Lawn Dressing

This highly concentrated fertilizer, prepared under advice of leading chemists, contains only the most essential ingredients for fertilization and produces a full and perfect development of the lawn to which it is applied.

For this purpose it is unrivaled, as it can be easily applied. It is uniform in quality, concentrated in character and of a most complete nature, containing ammonia, phosphate and potash in the mildest proportion, thoroughly and carefully blended so as to avoid any danger.

It is particularly adapted for lawns as it is especially rich in organic matter. It retains its stimulating properties for an unusually long period and makes good any deficiency in the soil by supplying to the grass its requisite food. Harmon & Harris Co. confidently recommend it as a safe and reliable fertilizer for the lawn, and they feel assured that when its value becomes known it will, on account of its excellent qualities, become the most popular fertilizer for lawns.

Quantity to Use and Prices

10 lb. bag for 1,000 square feet of lawn or 500 square feet of garden	\$.50
25 lb. bag for 2,500 square feet of lawn or 1,200 square feet of garden.....	1.00
50 lb. bag for 5,000 square feet of lawn or 2,500 square feet of garden.....	1.75
100 lb. bag for ¼ acre of lawn or ½ acre of garden.....	3.00

DESCRIPTIVE LIST OF FLOWER SEEDS

Abronia umbellata. Beautiful annual trailing plant, sweet scented, rose-colored flowers. Height 8 inches. Pkt. 5c.

Achillea, The Pearl. Hardy herbaceous plant. Flowers white; very free; good for cutting. Height 1 foot. Pkt. 10c

Acroclinium

One of the most desirable of the annual everlastings. Useful for winter bouquets. Cut flowers before becoming fully expanded.

Album fl. pl. White, free-flowering. Pkt. 5c.

Roseum fl. pl. Red, free-flowering. Pkt. 5c.

Mixed Colors. Pkt. 5c.

Adonis. Pretty border flowers, long time in bloom. Flowers scarlet, crimson and yellow. Mixed, pkt. 5c.

Ageratum

Free-flowering plants of dwarf growth, most desirable for bedding, also for greenhouse work during winter. Annual.

Princess Pauline (new). A very distinct and beautiful variety, of dwarf, compact habit, rarely exceeding 5 inches in height, its peculiarity being that both blue and white are combined in the same flower. The body of the flower is white, while the stamens are of a light sky-blue, giving the clusters a pretty, variegated appearance. This is one of the most distinct new bedding plants sent out for years. Pkt. 10c.

Little Dorrit. Beautiful azure-blue; very free-flowering and fine for bedding. Pkt. 5c.

Tom Thumb, White. Flowers white. Pkt. 5c.

Mixed Varieties. Pkt. 5c.

Alyssum

Hardy annual, dwarf plants, very free in bloom. They thrive well in any garden soil and are extensively used for cutting and bouquet work. Useful also for winter blooming in the greenhouse.

Benthami (Sweet Alyssum). Very free bloomer; white and fragrant. Pkt. 5c.

Benthami compactum. A very compact variety, specially adapted for edges of beds and pots. Pkt. 5c.

Saxatile compactum. This variety produces a mass of golden-yellow flowers early in the spring. Perennial. Pkt. 5c.

Mixed Varieties. Pkt. 5c.



Aquilegia (Columbine).

Amaranthus

Strong-growing and highly ornamental in foliage and free in flowering. By sowing early in a hotbed and transplanting, better results are obtained. Sow in the open ground in May. Tender annual.

Caudatus (Love-Lies-Bleeding). Long, red, drooping flower spikes. Tall plants. Pkt. 5c.

Cruentus (Prince's Feather). Of rapid growth, with large crimson plumes. Recommended for extensive use in mixed borders or subtropical gardening. Height 3 feet. Pkt. 5c.

Finest Mixed. Pkt. 5c.

Ammobium alatum grandiflorum. An everlasting. Flowers white. Annual. 1½ feet high. Pkt. 5c.

Antirrhinum (Snapdragon)

This is one of the finest of border perennials. Exceedingly attractive during the summer, also very useful for greenhouse cultivation during winter and spring.

Majus album. Large white flowers. Pkt. 5c.

Majus Galathee. Crimson, white throat. Pkt. 5c.

Grandeflorum Varieties. Choicest mixed colors. Pkt. 5c.

Queen of the North. Small-leaved, pure white; for forcing. Pkt. 5c.

Tom Thumb Varieties. Dwarf; for borders; mixed. Pkt. 5c.

Anagallis grandiflora (Pimpernel). Pretty low-growing plants, for beds and rockwork, constantly in bloom. Annual, growing about 6 inches high. Finest mixed. Pkt. 5c.

Aquilegia (Columbine)

Very elegant, free-blooming, hardy perennials, suitable for beds, borders or shrubberies. They prefer a moist, sunny situation. Height 2 feet.

Single Varieties. Finest mixed. Pkt. 5c.

Double Varieties. Finest mixed. Pkt. 5c.

Asperula setosa azurea (Woodruff). Very pretty, sweet-scented, blue flowers. Hardy annual. Height 1 foot. Pkt. 5c.

Aster (Callistephus Chinensis)

Usually known as French, German or China Asters. Very extensively grown both for beds, pots and cut flowers; their diversity and generally compact growth render them almost universal favorites. They require a rich, loamy soil, and, as the roots are produced near the surface, a mulching of rotten manure will be found most beneficial. Seeds may be raised in greenhouse or window-garden in March. When the seedlings are large enough transplant into boxes, and when the weather becomes warm enough plant outside. See also page 14.

Christmas Tree. An entirely new class that, on account of its habit of growth and free-flowering, is sure to be much in demand. The plants are tree-like in form, about 18 inches high, and bear a Mignon-like flower at the end of each stem. The originator says that frequently a single plant will produce from 70 to 100 well-developed flowers from 1½ to 2 inches in diameter. As the plants attain a breadth as great as their height, they should be set at least 18 inches apart in the beds. Pkt. 25c.

Hohenzollern. This splendid new Aster is a marked improvement on Queen of the Market, being as early and having flowers nearly double the size. The flowers are similar in form to those of a good Comet Aster. They are very double and are borne on very stout stems. The plants are of bushy habit. We can strongly recommend this variety where large blooms are in demand early. White and crimson. Each, pkt. 25c.

NEW OSTRICH FEATHER. This is a new and very beautiful class of Asters. The plants grow 15 to 18 inches high and are of a strong, luxuriant, branching habit. The flowers measure 4 to 5 inches in diameter and are borne on long stems. The petals are long, wavy and so twisted as to give an extreme Comet effect. This strain of Asters is of real value both for garden decoration and for cutting. Pkt. 10c.

Boston Florists' White. This is the most popular variety among florists around Boston for cutting; also one of the best bedding varieties. Pkt. 5c.

Chinese Mixed. A good variety, producing a large quantity of double flowers of various colors. Pkt. 5c.



Ostrich Feather Aster.

Asters, continued

Comet or Plume. A beautiful and distinct class, with long, wavy, twisted petals, forming a loose yet dense half-globe, resembling the Japanese Chrysanthemum. Flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches across. Height 15 inches.

Giant Rose. Superb new class; long twisted petals. Pkt. 10c.

Giant White. Beautiful variety; excellent for cutting. Pkt. 10c.

Giant Mixed. Many splendid colors. Pkt. 10c.

Splendid Mixed. Highly recommended for garden culture. Pkt. 10c.

Crown or Cocardeau. Remarkably effective and charming. The plant bears a quantity of double flowers in many beautiful colors, all with snow-white centers. Finest mixed. Pkt. 5c.

Dwarf Chrysanthemum-Flowered. In size of flower-heads and habit of growth, this surpasses all other dwarf varieties. The flowers are full, chrysanthemum-shaped, produced in clusters or bouquets, from 10 to 20 in a truss. Very delicate and beautiful in color. Height 6 inches. Splendid mixed. Pkt. 10c.

Giant Emperor. A very large-flowered variety, double, and of splendid shades of color. Height 2 feet. Finest double mixed. Pkt. 10c.

German Quilled. Flowers double; the petals have the appearance of quills; rather stiff. Finest mixed colors. Pkt. 5c.

Jewel or Ball. A magnificent class of Asters, with beautiful, perfect, ball-like flowers. Petals are incurved like Chinese Chrysanthemums. Finest double mixed. Pkt. 10c.

Lady Aster (new) Distinct by its graceful habit and light green ensiform foliage. Of unapproached freedom of blooming, from 40 to 70 buds, borne on slender stems, being successively produced by one plant. The colors include white (Lady in White), rose, and white changing to rose. All colors mixed. Pkt. 10c.

Queen of the Market. Extremely early, in bloom three weeks earlier than any other Aster. White, light pink, dark pink, dark red, dark purple, lavender and mixed colors. Each, pkt. 10c.

Semple's Giant. A grand variety of splendid habit; the tallest Aster yet introduced. Grows $3\frac{1}{2}$ feet high, with flowers 4 to 6 inches across. Colors range from white to pink-lavender. Blue, pure white, rose, crimson. Finest double mixed. Each, pkt. 10c.

Truffaut's Improved Peony-Flowered Perfection. One of the most popular varieties with all growers; of pyramidal, branching habit; very free-flowering. Extra-fine double mixed. Pkt. 10c.

Vick's Branching. Very large pure white flowers borne on long stems; valuable as the latest-blooming Aster. Crimson, pure white, dark blue, rose, mixed colors. Each, pkt. 10c.

Victoria. This is the finest of all the Asters, being the most showy and massive, bearing enormous recurved flowers of great fullness. It grows $1\frac{1}{2}$ to 2 feet high, and produces 20 to 25 large flowers on each plant.

White. Exceedingly useful for cutting or bedding. Pkt. 10c.

Finest Mixed. All colors. Pkt. 10c.

Balsam (Impatiens)

These old-fashioned, half-hardy annuals are so easily grown that it is a wonder more are not to be seen in gardens. The one mistake that is frequently made is in sowing the seed too early in the spring and in too much warmth. Sow in April; avoid overcrowding.

Double Camellia-Flowered. Finest mixed. Pkt. 10c.

Double Rose-Flowered. Splendid mixed. Pkt. 10c.

Double Mixed Colors. Pkt. 5c.

Bachelor's Button. See *Centaurea Cyanus*.

Balloon Vine (*Cardiospermum halicacabum*). Very pretty, rapid-growing climber; flowers white. Height 8 feet. Annual. Pkt. 5c.

Bellis Perennis Fl. Pl. (Double Daisy)

Showy perennials for spring garden, growing about 4 inches high and easily raised from seed, which should be sown outdoors in April, the seedlings being afterward transplanted and grown in a shady spot.

Longfellow. Large, double, dark rose flowers. Pkt. 10c.

Snowball. Double; pure white. Pkt. 10c.

Finest Mixed. Pkt. 10c.

Brachycome iberidifolia (Swan River Daisy). A very profuse-flowering, half-hardy annual, doing best in warm and dry situations. The flowers are blue and somewhat cineraria-like in form. Pkt. 5c.

Browallia

Very pretty and free-flowering half-hardy annuals, growing about 18 inches high, with verbena-like flowers; exceedingly useful as pot-plants for the conservatory. Should be sown in hotbeds or some warm place.

New Large-Flowering Speciosa Major. This is undoubtedly the finest variety. The plants grow about 1 foot high, in dense bushes covered with clear blue flowers much larger than those of other varieties. For beds, borders or pots, there are few plants with blue flowers to compare with it. Pkt. 15c.

Calandrinia grandiflora. Brightly colored little plants, splendid for edgings. Plant in sunny situations. Annuals. Pkt. 5c.

Calceolaria Hybrida

Seed should be sown in August or September in light sandy loam. Water with a fine spray to prevent washing out the seed. When large enough to handle, transplant into 2-inch pots and grow in a cool house. Tender perennials.

Large-Flowering Varieties Mixed. Pkt. 25c.

**Carnation, Marguerite**

These most attractive Double Carnations come into flower from seed in three or four months. Seed should be sown in a hotbed in March. The plants continue to bloom until checked by frost. They produce a large proportion of double, clove-scented flowers of various colors, and are particularly serviceable for cutting.

Finest Mixed. Pkt. 10c.

Malmaison Strain or Improved. Producing larger flowers than the older variety, of perfect and beautiful form. Mixed colors, pkt. 15c.

Canna

For grouping in beds or borders sow in heat in February, after cutting the hard outside shell on the seed and soaking in warm water for 10 hours. A rich, deep soil and plenty of moisture are essential to success. Half-hardy perennials.

Crozy's New Dwarf Hybrids, Mixed. A dwarf-growing, free-blooming race, continuing in bloom until the end of the season. They embrace many rich and striking colors. Excellent for growing in pots. Pkt. 10c.



Campanula Calycanthemum.

Campanula (Canterbury Bells)

Well-known, favorite, hardy biennials, growing 2 feet high and bearing large bell-shaped flowers. The plants are of pyramidal form and very showy when well grown. Among the most attractive of hardy border plants.

Medium Single Blue. Pkt. 5c.

Medium Single White. Pkt. 5c.

Medium Calycanthemum (Cup-and-saucer). Finest mixed. Pkt. 10c.

Double Blue. Pkt. 5c. **Double White.** Pkt. 5c.

Double Mixed. Pkt. 5c.

Canary Creeper. See *Tropæolum Canariense*.

Calendula (Pot Marigold)

Valuable, hardy annuals for growing in poor soils or dry places, with little trouble, making a good display in masses for months together. Height 1 foot.

Officinalis, Meteor. Very large, showy, double flowers, of a lemon-yellow shade of color, striped with silver. Pkt. 5c.

Officinalis, Price of Orange. Large, imbricated, double flowers, of a rich, glowing orange-red. Pkt. 5c.

California Poppy. See *Eschscholtzia*.

Calliopsis (Coreopsis)

Remarkably showy, hardy annuals, very continuous in flowering, hardly any annual surpassing them in this respect. Thin out the plants well in an early stage of growth.

Coronata maxima. Yellow, spotted crimson. Pkt. 5c.

Grandiflora. Bright golden yellow flowers, 3 inches in diameter, produced in great profusion. Hardy perennial. Pkt. 5c.

Finest Mixed. Pkt. 5c.

Candytuft (Iberis)

Very showy, hardy annuals, growing about a foot high and producing a fine effect when grown in masses. The seed should be sown thinly or the young plants thinned to obtain sturdy growths. Many of the varieties are sweet-scented. The dwarf varieties are splendid for bedding.

Giant Hyacinth-Flowered White. This is an improvement on Empress, having enormous spikes of bloom. Pkt. 5c.

Amara. White. Pkt. 5c.

Coronaria, White Rocket. Pkt. 5c.

Coronaria, Empress. White; fine, large, showy spikes. Pkt. 5c.

Umbellata, Rose Cardinal. A striking and rich color. Flowers a distinct, deep, rosy cardinal. Pkt. 5c.

Umbellata, Dark Crimson. Pkt. 5c.

Umbellata, Dark Purple. Pkt. 5c.

Hybrida, Dwarf Mixed. Dwarfier than the above varieties; splendid for bedding. Pkt. 5c.

Finest Mixed Colors. Pkt. 5c.

Canterbury Bells. See Campanula.

Castor Oil Plant. See Ricinus.

Catchfly. See Silene.

Celosia or Cockscomb. Sow seed in March or April in pans of well-drained, sandy soil, and place in a hotbed with a night temperature of 65 degrees and 70 degrees with sun. As soon as they germinate give plenty of light and a little air. When plants are large enough to handle transplant into 2½ inch pots and keep close to the glass. Keep a little on the dry side to induce flowering. These cannot be grown without heat. German mixed. Pkt. 10c.

Dwarf Varieties. Copper, dark crimson, golden yellow, bright yellow, rose, scarlet and violet. Pkt. 10c.

Centaurea

Half-hardy perennials of the greatest value in the flower garden. The raising of stock from seed is far better than propagating from cuttings, being in every way reliable and far less trouble. A cool course from the time of sowing the seed is better than warmth in any case.

Candidissima. A dwarf, silvery-white, foliaged plant; valuable for bedding. Height 12 inches. Pkt. 10c.

Gymnocarpa. A graceful, silver-foliaged variety of free growth; useful for bedding. Height 18 inches. Pkt. 10c.

Centaurea Cyanus. (Bachelor's Button or Corn Flower). Very free-flowering, hardy annuals, growing 1½ to 2 feet high; extremely useful for cutting.

Finest Mixed. Pkt. 5c.

Emperor William. This is the best dark blue variety. Pkt. 5c.

White. Pkt. 5c.

Marguerite. A variety worthy of extensive cultivation, superseding all the old varieties of Centaureas, and bearing flowers in great profusion; these are pure white and beautifully scented, and in form resemble the well-known Yellow Sweet Sultan. It is a hardy annual and for a succession of bloom till frost sow at different times from April to July. Pkt. 10c.

Suaveolens. See Sweet Sultan.

Moschatus. See Sweet Sultan.

Centranthus. A hardy annual, of free branching growth. Will do well in almost any soil, a dry position suiting it the best. Finest mixed Pkt. 5c.

Chinese Primrose. See Primula Sinensis.

Chrysanthemum (Annual Varieties)

All the varieties of single Chrysanthemums are remarkably showy and effective. They are hardy, of rapid growth, very profuse and continuous blooming. The flowers have a great range of color, and are of fine shape and substance, and with good cultivation measure 2 to 2½ inches in diameter. They are invaluable for cutting.

Segetum, Morning Star (new). Bushy and compact plants, covered with large yellow flowers averaging 4 inches across. Exceedingly useful for cutting as well as for the garden. Pkt. 10c.

Carinatum. Single and double mixed. Pkt. 5c.

Double White. Pkt. 5c.

Double Yellow. Pkt. 5c.

Cineraria

A greenhouse perennial of much beauty and when well grown is one of the most decorative as well as useful of winter and spring flowering plants. For winter blooming sow the seed in April and May, in shallow boxes, in fine light soil. In the culture of the Cineraria the mistake generally made is in growing the plants in a warm house instead of a cool one.

Hybrida Finest Mixed. Imported seed. Pkt. 50c.

Clarkia elegans. Hardy annuals of slender, branching growth and easy culture, very showy and profuse in flowering. Bright, rosy purple flowers. Height 1 foot. Pkt. 5c.

Cobæa scandens. A splendid half-hardy evergreen climber, with large, purple bell-shaped flowers. Start the seeds in heat, setting them on edge, covering them one-half inch deep. Height 15 feet. Pkt. 10c.

Cockscomb. See Celosia.

Coleus. Beautiful foliage plants, with varied and exquisite markings; half-hardy perennials. Finest Mixed Hybrids. Pkt. 15c.

Collinsia. Hardy annuals of deserved popularity, growing 1 foot high; well adapted for growing in patches and clumps in the open or in blank spaces. Well suited to common garden soil, flowering more profusely than if sown in rich soil. Mixed. Pkt. 5c.

Collomia coccinea. Bright scarlet. Hardy annual; grows about 15 inches high; blooms continuously till frost cuts it down. Pkt. 5c.

Columbine. See Aquilegia.



Double and Single Dianthus

Convolvulus (Morning Glory)*(Ipomœa purpurea)*

Easily cultivated plants, of rapid growth under favorable conditions; the Major sections are half-hardy annuals, which are well adapted for covering summer houses, ornamental wire work, etc., a sunny aspect being best suited to them; the Minor sections are hardy annuals of dwarf growth, being better fitted for beds or borders, also needing a warm situation. All are very showy and effective when in flower, with a great diversity of bloom.

Major. Finest mixed. Pkt., 5c., oz. 10c.

Minor. Finest mixed. Pkt. 5c., oz. 25c.

Mauritanicus. Pretty bright blue; trailing; splendid for hanging baskets, vases, etc. Pkt. 5c.

Japanese Morning Glory (*Ipomœa Imperialis*). This is a distinct strain, embracing varied types of foliage, combined with immense size of flowers and a wonderful variety of colorings. The leaves vary greatly in size and form, ranging from deep green to rich golden yellow, and many beautifully variegated. The flowers are of large size and show many new and distinct shades of yellow and orange; others are marked with tigered spots and blotches of carmine and deep purple. Seed should not be planted outside until the weather is warm enough. Finest mixed. Pkt. 10c.

Coreopsis. See Calliopsis.

Cucumber, Ornamental. See Echinocystis.

Cosmos

A half-hardy annual, growing two feet high, with extremely light and elegant foliage. This is a perfectly charming fall-blooming plant; the flowers in shape resemble the single dahlia.

Grand Early-Blooming Fancy. Flowers from 4 to 5 inches across. The colors range from pure white through shades of pink and red. Some of the white ones are delicately flushed or flecked with pink or mauve. This variety is much earlier than the old sort. Seed should be started inside and grown along in small pots before planting out. Pkt. 10c.

Cyclamen Persicum

The seed we offer of this favorite winter and spring flowering plant has been saved from the best varieties and cannot fail to produce flowers of the finest substance and of the most charming and diversified shades of color. The seed of *Cyclamen Persicum* is often sown too early in the year; from the middle of July to the end of August is the best time; the seedlings should be grown to the flowering stage without any check whatever. The best results are obtained when a cool course of culture is pursued.

Giganteum. Finest mixed. Pkt. 50c.

Cypress Vine (*Ipomœa Quamoclit*). Half-hardy climbing annual of rapid growth, growing from 6 to 10 feet high; delights in an abundance of moisture during the summer. Finest mixed. Colors bright scarlet, rose and white. Pkt. 5c.

Dianthus (Pink)

These beautiful, hardy border plants deserve a place in every garden. The improved forms of the Heddewigii section are remarkable for the brilliancy, diversity and size of their flowers and are worthy of special attention. If sown early they flower the first season and remain in bloom till late in the fall; in fact it is more satisfactory to treat them as annuals than as biennials. About 1 foot.

Chinensis flore pleno (Double Chinese Pink). Saved from the finest double flowers. Pkt. 5c.

Heddewigii flore pleno (Double Japan Pink). Large flowers, very fine mixture of many beautiful colors. Pkt. 5c.

Imperialis flore pleno (Double Imperial Pink). Large double flowers in many colors. Pkt. 5c.

Heddewigii laciniatus. Large, showy single flowers. Pkt. 5c.

Barbatus. See Sweet William.

Digitalis (Foxglove). Well-known, hardy perennials, of easy culture, valuable for shrubby borders, where they will soon acclimatize themselves. Should be more grown than they are. Seedlings yield a great diversity of colors, from pure white to dark purple. Height 4 feet. Mixed colors. Pkt. 5c.

Dolichos Lablab (Hyacinth Bean). Attractive climbing annual of rapid growth; flowers white or purple. Sow in April and May. Mixed. Pkt. 5c.

Drummond's Phlox. See Phlox.

Dahlia

It is not sufficiently known that this popular flower can be easily raised from seed and be flowered the same season. Sown in February in gentle heat and planted out in the usual way in due course, a rapid growth will be made.

Double Large-Flowered. Finest mixed. Pkt. 10c.

Single. Finest mixed. Pkt. 10c.

• **Datura Cornucopia** (Trumpet Flower). Half-hardy annuals of very rapid growth, with large trumpet-shaped, sweet-scented flowers; too rich a soil should be avoided. French white inside and marbled with royal purple on the outside. Sow in heat and pot off the seedlings when strong enough; requires plenty of sunshine. Height 3 feet. Pkt. 10c.

Daisy, Double. See Bellis.

Delphinium

The great improvement which has been effected in these splendid border perennials is such as to strongly recommend their culture from seed, the best of results with vigorous growth being thus obtained. They are of easy culture, and when well established form splendid objects for mixed borders or shrubberies. The plants are continuous in flowering and excellent for cutting.

Finest Hybrids Mixed. Pkt. 10c.

Annual Varieties. See Larkspur.

Echinocystis lobata (Wild Cucumber). Very rapid-growing, hardy annual climber; grows 15 feet. Pkt. 5c.

Eschscholtzia (California Poppy)

Very popular and extremely showy hardy annuals, producing a fine effect whilst in flower, and extending in beauty over a long period. Should not be grown in rich soil; a good situation being amongst rock-work or on banks in sunny positions. Height 1 foot.

Californica. Bright yellow, orange center. Pkt. 5c.

Californica albo. Flowers white. Pkt. 5c.

Finest Mixed. All colors. Pkt. 5c.

Exacum affine. Charming half-hardy biennial, which blooms the first year from seed; forms dense clumps, with clusters of violet-purple, fragrant flowers. Height 18 inches. Pkt. 10c.

Feverfew. See Pyrethrum and Matricaria.

Forget-Me-Not. See Myosotis.

Four O'clocks. See Mirabilis.

Foxglove. See Digitalis.

Gaillardia (Blanket Flower)

Very showy hardy perennials, most useful for cutting or mixed beds; commencing to flower early in the summer and continuing to bloom until cut down by frost. The flowers are of large size and durability, embracing many brilliant and beautiful shades of color. By making an early sowing they will flower the first season. Height 18 inches.

Grandiflora. Crimson and gold flowers. Pkt. 5c.

Picta Lorenziana. Finest mixed. Half-hardy annual with large double flowers of various bright colors; fine for cutting. Pkt. 10c.

Fine Mixed. Pkt. 5c.

Gazania splendens. Large orange flowers, excellent for dry situations; tender perennials. Height 6 inches. Pkt. 10c.

Gentiana Acaulis (Blue Gentian). This lovely, early spring-flowering plant is worthy of every possible attention that can be bestowed upon it; a cool, moist situation should be chosen for the sowing of seed and the culture of the plants up to flowering stage. The plants should be wintered under glass, in cold districts, for the first season. The flowers are of an intensely deep-blue color; hardy perennial. Height 5 inches. Pkt. 5c.

Gilia. Excellent, hardy, profuse-blooming annuals of light and elegant growth. Height 1 foot. Finest mixed. Pkt. 5c.

Globe Amaranth (Gomphrena). Showy annuals with everlasting flowers. Excellent for winter bouquets. Seed should be started in heat. Height 18 inches. Finest mixed. Pkt. 5c.

Godetia. Very desirable plants of easy culture, ranking among the most beautiful and attractive of hardy annuals. The flowers are large and showy, and are most suitable for the margins of shrubberies, mixed borders or similar positions. The seed germinates freely; the seedlings should therefore be thinned out in an early stage to impart more vigor to each individual plant. Height 1 foot. Mixed. Pkt. 25c.

Golden Feather. See Pyrethrum.

Grevillea robusta. A most useful ornamental foliage plant for the cool greenhouse or indoor decoration, or when associated with foliage plants in the flower garden; the seeds when sown should be inserted edgewise to insure better germination. Pkt. 10c.

Gypsophila (Baby's Breath). Extremely light and graceful plants of easy growth, flowering all summer. Useful also in pots for decorative uses. Useful to cut for mixing with other flowers. Mixed. Pkt. 5c.

Helianthus (Sunflower)

The majestic growths, bold outline and massive flowers of the large-growing varieties render them admirably adapted for intermingling in shrubby borders or in groups for distant effect, their bright golden yellow flowers being in full beauty during July, August and September. The smaller-flowered varieties are extremely floriferous, and very valuable for the ornamentation of mixed borders, and particularly useful for cutting.

Cucumerifolius, "Stella." Habit very branching; the plant is covered with small, yellow, dark-centered flowers; one of the very best varieties; should be in every garden. Pkt. 5c., oz. 40c.

Henry Wilde. Single, yellow, dark center. Height 9 feet. Pkt. 5c., oz. 30c.

Giant Russian. Flowers single, yellow. Oz. 5c.

Uniflorus. Enormous, single, yellow flowers, with a large, dark center, sometimes measuring 1 foot in diameter. Height 10 feet. Pkt. 5c.



Helichrysum.

Helichrysum (Everlasting Flower). Excellent half-hardy annuals for mixed borders, but more particularly useful for dried flowers for winter bouquets, for which purpose the blooms should be cut before they are fully expanded, and dried in an airy, dark shed. Double mixed. Pkt. 5c.

Heliotrope

Delightfully fragrant flowers, excellent for bedding or pot culture, and particularly useful for cutting. The seed should be sown in warmth early in spring, the young plants being gradually hardened off. Perennials. Height 18 inches.

Dark Varieties. Finest mixed. Pkt. 10c.

Heuchera Sanguinea. A pretty, dwarf, hardy perennial, with numerous lovely spikes of bell-like flowers of the most brilliant coral red. The spikes are splendid for cutting. Height 1 foot. Pkt. 15c.

Honesty or Satin Flower (*Lunaria biennis*). Good early-flowering plant; the seed vessels, which are flat and broad, look like transparent silver, and are very pretty for winter bouquets of dried flowers. Height 2 feet. Pkt. 5c.

Honeysuckle (French)

Showy hardy perennials; suitable for shrubby borders. Height 2 ft. **Red.** Pkt. 5c. **White.** Pkt. 5c.

Hollyhock (*Althaea rosea*)

Saved from a choice collection of the finest varieties, embracing all shades of colors, and which may be expected to produce fine double flowers. Seeds sown early under glass and grown on will bloom the same year. The young plants should be set singly in deep, dry soil enriched with decomposed manure,

Double Finest Mixed. Pkt. 10c.

Humulus (Hop)

A very rapid-growing, hardy annual climber; valuable for quickly covering blank spaces.

Japonicus (Japanese Hops). Pkt. 5c.

Japonicus foliis variegatis. Leaves variegated green and white; very attractive. Pkt. 10c.

Hyacinth Bean. See *Dolichos Lablab*.

Iberis. See Candytuft.

Ipomæa purpurea. See Convolvulus, Morning Glory.

Quamoclit. See Cypress Vine.

Jacobeia. See Senecio.

Jacob's Ladder. See Polemonium.

Lantana. Half-hardy perennials of shrubby growth, useful either in pots for greenhouse decoration, or planted out in mixed borders, flowering best when not over-potted or planted in rich soil; colors rich and various. Finest Hybrids mixed. Pkt. 5c.

Lavender (The English Lavender). Grown for its delicious perfume. Pkt. 5c.

Larkspur (*Delphinium*)

These are amongst the best of hardy annuals, lasting a long time in flower, the colors being very diverse and extremely showy; the plants should be thinned out in good time to avoid overcrowding, and to secure the branching habit peculiar to nearly every kind now offered.

Dwarf Rocket. Finest mixed. Pkt. 5c.

Emperor. Double, finest mixed. Pkt. 5c.

Tall Branching, Stock-Flowered. Finest double mixed. Pkt. 5c.

Lobelia

An invaluable class of plants for bedding, edging or ribbon gardening. The plants have been carefully selected, are very profuse and continuous in bloom; flowers a beautiful, rich dark blue color. *L. gracilis* should be particularly noted for its value in hanging baskets or as a finish for flower vases; in both cases the effect produced by its long, drooping growth and great profusion of flowers is beautiful in the extreme. It is best grown as an annual, being of rapid growth.

Cardinalis (Cardinal Flower). Hardy perennial; flowers splendid rich scarlet. Pkt. 10c.

Erius (*Gracilis*). Blue, of spreading habit and free-flowering; most suitable for hanging baskets, vases, etc. Pkt. 10c.

Erius Crystal Palace Compacta. Dwarf, dark blue. Pkt. 10c.

Erius Emperor William (Blue King). Pkt. 10c.

White Perfection. Pure white. Height 6 inches. Pkt. 10c.

Mixed Varieties. Pkt. 10c.

Love-Lies-Bleeding. See *Amaranthus caudatus*.

Lunaris Biennis. See Honesty.

Lupinus (Lupins). Old-fashioned and well-known plants of strong growth, with graceful foliage and long spikes of bloom; suitable for mixed borders and shrubberies, all being hardy annuals. Height 1½ to 2 feet. Finest mixed. Pkt. 5c.

Lychnis

Hardy perennials in all but the most exposed situations, with large terminal trusses of very showy flowers; a light and rather rich loam suits them best.

Chalcedonica. Brilliant scarlet flowers. Pkt. 5c.

Haageana Hybrida. Various bright colors mixed. Pkt. 5c.

Malope grandiflora. Mixed. Handsome, free-blooming hardy annuals, with large, showy flowers, suitable for mixed borders. Height 3 feet. Pkt. 5c.

Malva moshata (Musk Mallow). This hardy perennial has musk-scented, rose-color blooms, is free-flowering and highly decorative for borders and excellent for cutting; when sown early will bloom the first season. Height 2 feet. Pkt. 5c.

Marigold

These handsome half-hardy annuals when well grown cannot be surpassed either in mixed borders or when grouped together. They succeed best in moderately rich soil and in open situations, and are strongly recommended where a gorgeous display in the autumn is an essential feature.

Very Dwarf Double Striped (new). This splendid variety is well worthy of extensive cultivation. Its dwarf, compact habit makes it particularly desirable for borders or pots. The flowers are very prettily striped with brown. Pkt. 5c.

African Lemon. Flowers large, double. Pkt. 5c.

African Orange. Pkt. 5c.

French Striped. Pkt. 5c.

Garden. See Calendula.

Marvel of Peru. See *Mirabilis*.

Matricaria eximia grandiflora fl.pl. (Feverfew). Very pretty and neat small double white flowers; free-flowering. Hardy annual. Pkt. 5c.



African Marigold.

Maurandya

Beautiful half-hardy perennial climber of slender growth, with tubular flowers. Well suited for trellises or walls. Can be successfully treated as annuals.

Barclayana. Flowers purplish blue; fine. Pkt. 5c.

Barclayana rosea. Rose; very fine. Pkt. 5c.

Barclayana alba. Fine white. Pkt. 5c.

Finest Mixed. All colors. Pkt. 5c.

Mesembryanthemum

Invaluable half-hardy annuals for dry situations where they receive the full benefit of the sunshine, thriving well in but little soil; well adapted for beds, also for rockwork. Height 3 inches.

Cordifolium variegatum. Yellowish green and white foliage and rosy purple flowers. Very showy. Pkt. 10c.

Mimosa pudica (Sensitive Plant). A tender annual of light and elegant growth, the leaflets of which fold up when touched; pretty clusters of purplish flowers are produced at the axils of the leaves. Height 2 feet. Pkt. 5c.

Mimulus

Hardy perennials and general favorites, thriving best in rather moist situations; those grown for the beauty of their flowers are better when treated as half-hardy annuals. If sown early on warm borders they will flower the first year. Height 18 inches.

Fire King (new). Brilliant orange-scarlet. Pkt. 10c.

Tigrinus. Finest mixed. A splendid strain, producing large, elegantly spotted and richly marked flowers. Pkt. 10c.

Moschatus (Musk). Well-known, popular plant, emitting a pleasant fragrance; flowers yellow. Height 1 foot. Pkt. 10c.

Mignonette

The great advance that has been made in the raising of new kinds of this most popular, fragrant and free-blooming annual leaves hardly anything further that can be desired. The plants when large enough should be thinned out to about 4 inches apart. If sown in a poor, light soil the fragrance will be much stronger.

Bismarck (new). The first impression of onlookers has been that with this new Mignonette the climax of perfection in this universally popular plant has been reached, and this impression is strengthened when a bed of good Mignonette, standing side by side with it, is compared with a bed of these powerful plants, which display such a solidness and vigor as to appear to be cast in iron, without losing anything of their elegance. The growth of the plant is slow from the beginning, and it develops an exceedingly robust and compact-growing bush of an average height of 12 inches. Pkt. 10c.

MIGNONETTE, Continued

Grandiflora or Large-Flowering. Vigorous, tall and free-growing, having long spikes of yellow and orange flowers. The best form of common Mignonette. Pkt. 5c.

Giant Crimson or Pyramidal. This forms a short, robust, pyramidal growth, with large spikes of reddish-tinted flowers; very sweet-scented; excellent. Pkt. 5c.

Machet. Plants of strong, compact habit, with dense spikes of very fragrant, dark red flowers. Pkt. 10c.

Parsons White. The spikes are large and well-shaped, with nearly white flowers. Pkt. 10c.

Common Sweet-Scented. Pkt. 5c.

Mirabilis (Four O'clock or Marvel of Peru). Grand border plants with most brilliant flowers of various colors, thriving best in good loamy soil, not too rich in manure. Height 2 feet. Finest mixed. Pkt. 5c.

Morning Glory. See *Convolvulus*.

Musk. See *Mimulus Moschatus*.

Myosotis (Forget-Me-Not)

Splendid hardy perennials. They are all early flowering and easily grown; delight in a moist situation.

Victoria. A beautiful variety of dwarf, bushy habit, bearing a profusion of large, bright azure-blue flowers, with characteristic central double bloom. The plant attains a height of from 5 to 7 inches and a circumference of 15 to 18 inches, and when fully developed is quite globular in shape and perfectly covered with flowers, which continue in full beauty for a long period. This fine variety is admirably adapted for edgings or masses and also for pot culture. Pkt. 5c., oz. \$1.

Palustris (true Forget-Me-Not). Dark blue; very beautiful; profuse flowering. Pkt. 10c., oz. \$1.50.

Nasturtiums**Tom Thumb or Dwarf Varieties**

Splendid for borders and summer bedding; of dwarf, compact habit, withstanding heat and drought. They succeed best and flower better in poor soil. Hardy annuals. Height 1 foot.

Finest Mixture of best sorts. Pkt. 5c., oz. 15c.

Cloth of Gold. Golden foliage and scarlet flowers. Pkt. 5c., oz. 20c.

Crystal Palace Gem. Yellow and crimson. Pkt. 5c., oz. 20c.

Empress of India. Intense crimson, dark foliage. Pkt. 5c., oz. 20c.

King Theodore. Dark chocolate-crimson, dark foliage. Pkt. 5c., oz. 25c.

Prince Henry. Splendid crimson. Pkt. 5c., oz. 20c.

Spotted King. Yellow spotted, dark foliage. Pkt. 5c., oz. 25c.

Striped. Striped scarlet, very pretty. Pkt. 5c., oz. 25c.

Yellow. Pure yellow. Pkt. 5c., oz. 20c.

Tall or Climbing Varieties

Bright Rose. Very delicate shade. Pkt. 5c., oz. 20c.

Dark Crimson. Crimson, fine. Pkt. 5c., oz. 20c.

Dunnett's Orange. Splendid shade. Pkt. 5c., oz. 15c.

Heinemanni. Chocolate color. Pkt. 5c., oz. 20c.

Vesuvius. Yellow spotted. Pkt. 5c., oz. 20c.

Von Moltke. Rose, exceedingly fine. Pkt. 5c., oz. 20c.

Pearl. White. Pkt. 5c., oz. 20c.

Scarlet. Very brilliant. Pkt. 5c., oz. 15c.

Scheuerianum. Straw color, spotted. Pkt. 5c., oz. 15c.

King Theodore. Dark chocolate-crimson, dark foliage. Pkt. 5c., oz. 15c.

Yellow Spotted. Pkt. 5c., oz. 20c.

Finest Mixed. In splendid variety. Pkt. 5c., oz. 15c.

Lobb's Nasturtiums (*Tropaelum Lobbianum*)

Very brilliant and effective half-hardy annuals, with dark green foliage, growing 6 to 8 feet high; excellent for trailing over verandas, trellis work or against walls in bare places. Thrives best in rich soil.

Finest Mixed. Pkt. 5c., oz. 25c.

Nemophila

Splendid, showy, free-flowering, hardy annuals for beds or edgings; excellent alike for spring or fall sowing.

Insignis. Bright blue, with white center. Pkt. 5c.

Insignis alba. Large, pure white. Pkt. 5c.

Maculata. White, spotted with purple. Pkt. 5c.

Nicotiana

Affinis (White Tobacco). Pure white, long, tube-shaped flowers, borne in clusters, exceedingly fragrant toward evening; valuable for open ground or greenhouse decoration, thriving well in the poorest soil. The seed should be sown early to insure strong plants prepared by bedding-out time. Half-hardy annuals. Height 3 feet. Pkt. 5c.

Colossea. The leaves when young are prettily tinted with red. It makes astonishingly quick growth, soon attaining the height of 5 to 6 feet, with leaves often 2 feet in length and 1 foot in width. Splendid for sub-tropical beds. Pkt. 10c.

Nicotiana Sanderae. Remarkable and charming new annual. The plant is of graceful habit, about 2 to 2½ feet high, freely branched from base to summit and bearing a profusion of lovely, star-like, carmine-red flowers. Pkt. 25c.

Nigella. Interesting half-hardy annuals, with elegant cut foliage and curious flowers, properly known under the name of "Love-in-a-mist"; of easy culture and last a long time in perfection. Pkt. 5c.

Nolana. A hardy, trailing annual, with large, convolvulus-like white and blue blossoms. Fine mixed. Pkt. 5c.

Oenothera (Evening Primrose). Very beautiful hardy perennials and biennials, extremely showy toward evening. All are of easy culture, preferring light, sandy soil. Mixed varieties. Pkt. 5c.

Oxalis. Very dwarf and fast-growing half-hardy perennials, best suited for rockwork or sloping banks where there is no great depth of soil. Mixed. Pkt. 5c.



Ruffled Pansy.

Pansy or Heartsease

In offering seed of this most popular plant we do so with utmost confidence. Having personally visited all the principal growers in Europe, we have been enabled to secure seed of the choicest strains. Too much importance cannot be attached to the culture of these beautiful plants, flowering as they do in great abundance for several months. When sown in the early spring a good display in most cases can be had in the following fall, but the best results are not obtained by so doing. To obtain fine blooms it is better to sow during the summer and transplant the seedlings into cold frames in September, protecting during the winter with mats or shutters. Pansies delight in a cool, moist, well-drained soil, enriched with decomposed barnyard manure. They should never be allowed to suffer for want of water.

Harmon's Superb Mixture. Finest mixture of large-flowering and new, bright, high-colored sorts; the flowers are of finest form and great substance and this splendid strain represents the highest perfection of this favorite flower. Pkt. 25c., oz. \$6.

SUPERB NEW GIANT RUFFLED PANSY, "MASTERPIECE." This strain represents the highest perfection in the Giant Five-Spotted Pansies, hence its name. The growth and general habit of the plant is strong, bushy and compact. The enormous flowers are borne well above the foliage, on strong stems, possessing great substance, are perfectly round and contain the richest combination of colors that has ever been offered in a five-spotted strain of Pansies. Each petal is distinctly marked with a very large blotch and most of the flowers are margined with a light, white or yellow edge. Pkt. 20c.

Pansy, continued

- Superb New Giant Quadricolor (Rainbow).** The flowers are of noble form and measure up to 3 inches in diameter; the color of the two upper petals is a wonderful reddish steel-blue with white edge, sometimes with pink and white edge; the ground color of the lower petals is yellow marbled with red and steel-blue and margined with white. Pkt. 20c.
- Giant or Trimardeau.** Finest mixed. Large flowers of rich colors, each distinctly marked. Pkt. 10c., oz. \$3. Good mixed. Pkt. 5c.
- French Large Stained.** Large round flowers, beautifully blotched and stained; fine mixed colors. Pkt. 25c., oz. \$5.
- Striped and Mottled.** Finest mixed. Very beautiful and curiously marked. Pkt. 15c., oz. \$4.
- Adonis.** Beautiful light blue marked with a yellowish-white face and large dark blotches. Pkt. 10c.
- Fire King.** The three lower petals each have a large blotch of deep brown-red or magenta, margined with yellow, while the upper petals are bright reddish brown. Pkt. 10c.
- King of the Blacks (Faust).** Flowers very dark, nearly black. Pkt. 10c.
- Black-Blue.** Pkt. 10c. **Brown-Red.** Pkt. 10c.
- Emperor Frederick.** Dark purple with red and golden edge, gold-bronze face. Pkt. 10c.
- Lord Beaconsfield.** Deep violet shading off to white. Pkt. 10c.
- Prince Bismarck.** New. Beautiful yellowish-bronze color, with well-defined eyes of good size and dark brown color. Pkt. 15c.
- President Carnot.** Flowers large, of elegant shape, and each of the five petals is marked with a deep violet blotch, which covers a greater part of its surface. Pkt. 10c.
- Purple.** Pkt. 10c. **Yellow.** Pkt. 10c.
- Snowflake (Candidissima).** New white. Excellent. Pkt. 15c.
- Striped.** Pkt. 10c. **White with Purple Eye.** Pkt. 10c.
- Yellow with Black Eye.** One of the finest and showiest varieties. Pkt. 10c.

Papaver or Poppy

For hardiness and easy cultivation these showy plants cannot be surpassed. The annual varieties are numerous and contain many rich and varied colors, all strikingly beautiful. The seed of these should be sown early where intended to bloom.

- Danebrog (Danish Flag).** Vermilion-scarlet flowers with large white blotch. Single. Height 1 foot. Pkt. 5c.
- Glaucum (Tulip Poppy).** Very showy flowers of vivid scarlet color; foliage bluish green. Height 1 foot. Pkt. 5c.
- Mikado.** Large double flowers, white, shaded crimson, beautifully cut and fringed at the edge. Pkt. 5c.
- Scarlet Double.** Large double scarlet flowers. Pkt. 5c.
- Shirley.** Seed saved from flowers of large size and most distinct and pleasing colors, and will be found to contain many new and beautiful shades. The flowers are large and exceedingly graceful and elegant; the colors pure, soft and varied, ranging from blush-white, rose and delicate pink through innumerable tints to bright crimson. Pkt. 5c.
- Snowdrift.** Pure white, very double, lacinated flowers of enormous size. Height 2 feet. Pkt. 5c.
- Cardinal.** Double scarlet flowers on a white ground. Height 1½ feet. Pkt. 5c.
- Pavonum (Peacock Poppy).** Brilliant scarlet, with a glossy black ring near the base of the petals. Height 1 foot. Pkt. 5c.
- Umbrosum.** Bright, rich crimson with black blotch. Height 1 foot. Pkt. 5c.
- The Bride.** Single pure white flowers. Height 2 feet. Pkt. 5c.
- Carnation-Flowered Mixed.** Pkt. 5c., oz. 25c.
- Pæony-Flowered Mixed.** Pkt. 5c., oz. 25c.

Perennial Varieties.

- Nudicaule Finest Mixed (Iceland Poppies).** Pkt. 5c.
- Nudicaule.** Clear yellow. Pkt. 10c.
- Nudicaule album.** Pure white. Pkt. 10c.
- Nudicaule aurantiacum.** Orange-scarlet. Pkt. 10c.
- Oriente.** Very large, scarlet, with black blotch. Height 3 feet. Pkt. 10c.
- Passion Flower (Passiflora).** Greenhouse climbers, with large, showy flowers. Sow the seed in heat. Pkt. 10c.
- Perilla Nankinensis.** Half-hardy annuals with very dark foliage, exceedingly useful in the flower garden. Sow in slight heat and protect in a frame until danger from frost is over. Height 1½ to 2 feet. Pkt. 5c.

Petunias

Richness and diversity of color, coupled with profusion and duration of bloom, render this an exceedingly attractive and favorite plant for both indoor and outdoor cultivation. When not planted in too rich a soil they will flower most profusely all summer. For broad margins to shrubbery borders, for vases and baskets, as well as for pot culture, they are highly recommended. Half-hardy annuals of spreading growth. Height 1 to 1½ feet.

- Hybrida, Finest Mixed.** A magnificent variety; splendid colors in great variety. Pkt. 10c.
- Nana compacta multiflora.** Remarkable for its dwarf, compact habit, profusion of bloom and brilliant striped flowers; very effective. Pkt. 10c.
- Single Fringed, Superb Mixed.** Very pretty, large, single flowers, with beautifully fringed edges. Pkt. 20c.
- Grandiflora Kermesina.** Brilliant crimson, large flowers. Pkt. 15c.
- Grandiflora marginata.** Large flowers, green bordered and beautifully veined. Pkt. 15c.
- Grandiflora purpurea.** Deepest velvety crimson; one of the finest varieties. Pkt. 15c.
- Grandiflora Venosa.** Steel blue; extremely handsome, beautifully veined. Pkt. 20c.
- Grandiflora fl. pl. Extra-Fine Mixed.** The seed of the double-flowered varieties is produced by careful hybridization and produces a fair percentage of double flowers, many of which possess much merit. Pkt. 25c.
- Grandiflora rosea fl. pl.** Very showy color, splendid variety. Pkt. 25c.
- Grandiflora fimbriata fl. pl. (Double Fringed).** Extra large, double fringed flower. Finest mixed. Pkt. 50c.
- Grandiflora fimbriata fl. pl. Lady of the Lake.** Splendid double, pure white fringed variety; large flowers. Pkt. 25c.

Phlox Drummondii

An exceedingly beautiful and highly popular class of half-hardy annuals, producing a great profusion of rich and most brilliantly colored flowers of many striking and effective hues, and continuing to bloom the whole of the summer. They are eminently suitable for summer bedding, as they make a gay and effective display. Few annuals, if any, can equal them in beauty, and no garden, however small, should be without them. They are seen to the best advantage on well-drained land; stagnant moisture does not suit them, nor should they be shaded; in favorable situations the seed can be sown thinly in February or March in well-drained pots or pans, in sandy loam, and placed in a greenhouse or gentle hotbed. Height 1 foot.

- Grandiflora, Splendid Mixed.** This is a large-flowered variety, an improvement on the older kind. Pkt. 10c.
- Alba.** Pure white. Pkt. 5c.
- Coccinea.** Scarlet. Pkt. 5c.

Polemonium grandiflorum (Jacob's Ladder). Greek Valerian. Hardy perennials with showy flowers. Mixed colors. Height 2 feet. Pkt. 5c.

Poppy. See Papaver.

Portulaca

A beautiful class of hardy annuals specially adapted for shallow soils. They are charming dwarf plants for dry, sunny situations and exposed rockwork, flowering profusely during the hottest weather. Height 3 inches.

- Single Finest Mixed Colors.** Pkt. 5c.
- Double Finest Mixed.** Brilliant and striking colors. Pkt. 10c.

Primula Sinensis (Chinese Primrose)

Considerable care is necessary in order to secure the successful germination of the seed of the choice kinds. The most suitable periods for sowing are April and May for fall, and June, July and August for spring blooming. Shallow pans, well drained, are the best, the soil consisting of sandy loam and leaf soil worked through a fine sieve; the pans when thus prepared should be well watered before the seed is sown. Only a slight covering of soil or sand is needed. The principal thing to be guarded against is drought; the soil should be kept in as equal a degree of moisture as possible. A good method is to cover the soil with sphagnum moss until growth commences.

- Extra Fine Mixed.** Of strong, robust growth; large, beautiful fringed flowers on strong stems. Pkt. 25c.
- Fringed Red.** Splendid deep red. Pkt. 25c.
- Fringed White.** Large flowers, with yellow eye, finely fringed. Pkt. 25c.
- Fringed Blue.** Beautiful rich blue color, of large size. Pkt. 25c.
- Double Finest Mixed.** Comprising many beautiful colors. Pkt. 50c.

Primula Obconica

A pretty and interesting Primula, with flowers of a soft lilac shade of color, blooming continuously from spring till autumn. In habit and foliage it resembles the beautiful *P. cortusoides*, and is one of the most useful Primulas for pot culture or for the open border during the summer months. To obtain good plants for winter and early spring flowering the seed should be sown in warmth the previous April or May, and wintered in a cool greenhouse or frame. Height 9 inches. Pkt. 25c.

Pyrethrum (Feverfew)

Hardy perennials, but best treated as half-hardy annuals for all practical purposes in bedding. Sow in March.

Aureum Selaginoides. Particular dwarf, compact habit, prettily serrated; bright yellow foliage. Height 9 inches. Pkt. 10c.

Aureum. (Golden Feather.) Bright golden yellow foliage, invaluable for all practical purposes in bedding. Height 9 inches. Pkt. 10c.

Double White. Very pretty clusters of pure white flowers. Height 2 feet. Pkt. 5c.

Prince's Feather. See *Amaranthus Cruentus*.

Reseda odorata. See Mignonette.

Rhodanthe

Half-hardy annuals of extremely showy character under pot culture for house decorations, lasting well under unfavorable conditions. Should be sown in the spring, with a little warmth until the plants gain strength. Out of doors the seed should be sown in May, and the flowers cut before they are fully expanded if required as everlasting for winter use in vases. Height 1 foot.

Maculata. Bright pink, with crimson circle. Pkt. 5c.

Maculata alba. Pure silvery white. Pkt. 5c.

Manglesil. Beautiful bright rose-colored flowers. Pkt. 5c.

Rhodochiton volubile. An interesting and useful climber for either greenhouse or summer garden. Pkt. 10c.

Ricinus (Castor Oil Plant)

These are noble, large, ornamental-leaved plants of majestic appearance for making bold beds, when well grown attaining a height of 6 to 12 feet; grand for sub-tropical gardening. Half-hardy annuals of rapid growth. The seed should be sown in warmth about March, the better way being to sow each seed separately in 3-inch pots to prevent any after check or injury to the roots; they will need repotting to carry the plant on until May.

Borboniensis arboreus. Large, purplish foliage. Pkt. 5c.

Cambodéensis. Of dwarf, compact habit, foliage intense deep purple; best dark-leaved sort. Height 4 feet. Pkt. 5c.



Salvia splendens.

Sanguineus. Reddish purple leaves. Height 8 feet. Pkt. 5c.

Zanzibariensis. A distinct race from East Africa, growing to a large size and varying in color from pale green to brownish purple. Pkt. 5c.

Finest Mixed. Pkt. 5c.

Rocket (Hesperis)

Hardy perennials of rapid growth, producing numbers of flowers early in spring when sown in the previous summer. Height 2½ feet.

Purple, White and Mixed Colors, each, pkt. 5c.

Rose Champion. A hardy perennial, valuable for shrubby borders where it can remain undisturbed; profuse flowering and lasting in beauty for a long time; flowers a bright crimson, with silvery foliage. Height 2 feet. Pkt. 5c.

Salvia

Valuable half-hardy perennials, very profuse in flowering and of rapid growth. Seeds should be sown early in a gentle heat.

Splendens. Vivid scarlet, free-flowering variety. Pkt. 10c.

SPLENDENS, INGENIEUR CLAVENAD. Brilliant scarlet; very early; blooms continuously. Pkt. 10c.

Salpiglossis. Half-hardy annuals, elegant late summer-flowering plants, of great diversity of color, beautifully penciled in rich tints of yellow, purple and brownish red. Of easy culture.

Finest Mixed. Pkt. 10c.



Scabious.

Scabious

Hardy biennials, but which may be also successfully grown as hardy annuals, when they make a good display in the fall. Very useful for cutting or growing in mixed borders.

Caucasica Flore Albo (new). A hardy perennial of most essential service, either on the plant or when the flowers are used in the cut state. The flowers are produced in verbena-like trusses, being of a beautiful clear white. This perennial is rapidly gaining in favor for the herbaceous border, thriving best when the soil is not rich. Height 2 feet. Pkt. 10c.

Caucasica. Magnificent half-hardy perennial, with beautiful, large, pale blue flowers; grows about 2 feet high. Pkt. 10c.

Large-Flowered Mixed. Pkt. 5c.

Scarlet Runners. See Beans, page 1.

Schizanthus. Annuals of free-flowering character, thriving best in well-prepared and rather rich soil. All are suitable for growing in the open border, but the varieties of *S. retusus*, which are half-hardy annuals growing about 2 feet in height, may be sown in pots in the autumn for use early in spring.

Finest Mixed. Pkt. 5c.

Senecio elegans flore pleno (Double Jacobæa). Profuse blooming, hardy annuals, with showy double flowers, very useful for beds, also well suited for planting in new shrubberies. Thrives best in a light soil. Finest mixed. Pkt. 5c.

Sensitive Plant. See *Mimosa Pudica*.

Snapdragon. See *Antirrhinum*.

Silene Armeria (Catchfly). Hardy annuals, very reliable for bedding purposes, being free-blooming plants, with bright, attractive flowers. Thrive well almost anywhere. Mixed colors. Pkt. 5c.

Smilax. (*Myrsiphyllum asparagoides*.) An excellent climbing plant with small, beautiful dark green foliage. Pkt. 5c.

Statice (Everlasting)

Easily cultivated plants, admirably adapted for poor soils or dry situations, and for raised beds or sloping ground where not shaded.

Suworowil. Produces freely long spikes of beautiful flowers of a bright rose color; hardy annual. Height 18 inches. Pkt. 5c.

Tartarica. A beautiful white variety, splendid for winter bouquets; perennial. Pkt. 5c.

Sweet Clover. (*Trifolium suaveolens*.) Crimson; hardy biennial. Height 3 feet. Pkt. 5c.

Sweet Sultan

Half-hardy annuals of essential service for cutting, also well suited to grow in mixed borders. Average garden soil will suit them well. Height 18 inches.

Yellow (*Centaurea suaveolens*) Beautiful bright golden yellow flowers. Pkt. 5c

Sweet William. (*Dianthus barbatus*.) Popular hardy biennials of the easiest culture, well suited for shrubbery borders or marginal lines. Sloping banks where there is not often too much moisture is also a good place for them. The seed should be sown in spring to flower the following year. Height 18 inches. Extra fine mixed. Pkt. 5c.



Princess Alice Stock.

Stock (Gilliflower)

The following are confidently recommended as the best types of the various classes; they are distinct in character, and will produce a large percentage of perfectly double flowers. All varieties are desirable for pot culture or bedding out, and are greatly prized as cut flowers, both for their beautiful colors and delightful fragrance. The seed we offer is procured from the best growers in Germany. Seed should be sown in March or April, in heat, or outdoor in May and June. A light soil and high cultivation enhance the beauty of the flowers.

Giant Perfection. Finest mixed. A splendid race of strong pyramidal growth and fine branching habit, bearing long spikes of beautiful large double flowers. Height 2 feet. Pkt. 10c.

Dwarf German Ten Weeks. Dwarf, compact growing, free-flowering sort, producing trusses of good-sized double flowers; excellent for bedding. Height 1 foot. Pkt. 10c.

Large Flowering Dwarf Ten Weeks. Blood red, brilliant rose, canary yellow, light blue, violet and white. Each 10c. per pkt.

Dresden Perpetual or Branching Ten Weeks. Finest mixed. A beautiful class of strong growth and branching habit, producing trusses of beautiful double and delightfully fragrant blooms. Pkt. 10c.

Dwarf Forcing Ten-Weeks Snowflake. A very effective wall flower-leaved variety, the earliest white variety; excellent for forcing; large spikes of snow-white flowers. Pkt. 10c.

PERPETUAL or BRANCHING WHITE PRINCESS ALICE. A continuous flowering, pure white, early variety; excellent variety for cutting. Pkt. 10c.

White Giant Perpetual. Has one enormous spike of large double pure white flowers, 2 to 2½ feet high; the finest stock in cultivation, very fragrant. Pkt. 10c.

Cut and Come Again. Extra fine double-branching, ever-blooming Stock. The more it is cut the freer it grows and flowers. Pkt. 10c.

Sunflowers. See *Helianthus*.

Sweet Peas

Each of the following varieties, pkt. 5c., oz. 15c., two oz. 25c., unless otherwise noted.

Purchasers may select 6 pkts. for 20c.

Sweet Peas are increasing in popularity every year, and the beautiful varieties now offered can be recommended with every confidence. The culture should be of the very best description, mulching with manure and watering freely, and to insure fine blooms over-crowding should be avoided. Don't gather the blooms grudgingly. The more you cut the longer the vine will continue to flower. Remember, when they go to seed, Sweet Peas will cease flowering. Don't expect Sweet Peas to thrive in soil too poor for any other culture, or in a sunless location.

Harmon's Special Mixture. This mixture contains over 50 of the finest large-flowering varieties. We have made a special effort to give our customers the finest mixture obtainable. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. 75c.

Finest Mixed. All colors. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Finest Mixed. Contains a large percentage of beautiful double flowers. Pkt. 5c., oz. 10c.

BEST MAUVE VARIETY—

Dorothy Tennant. Pure violet or rosy mauve. Splendid.

Countess of Cadogan. Reddish mauve wings. Violet blue.

WHITE VARIETIES—

Blanche Burpee. Finest white in cultivation. Flowers of immense size.

Sadie Burpee. Pure pearly white, long stem hooded variety.

Emily Henderson. One of the finest whites.

Mrs. Sankey. A splendid pure white variety.

Mont Blanc. Pure white and fragrant.

BEST BLUE VARIETIES—

Captain of the Blues. Standards bright purple-blue, with pale blue wings. A very striking variety.

Navy Blue. One of the best.

PURPLE and MAROON VARIETIES—

Black Knight. New. A deep maroon; clear, shining standard.

Boreatton. Deep maroon. A splendid variety.

Duke of Clarence. First-class, ranking with the best in size and substance; color deep rose-scarlet, bordering on maroon.

Shahzada. New. The finest of the dark-colored varieties. A very rich dark maroon.

Stanley. Deepest carmine; standard glossy, finely laced, with deeper shades. A very fine variety.

Duke Sutherland. Deep claret and indigo-blue wings.

Othello. A deep maroon self. Flowers very large.

Sweet Peas, continued

BLUSH VARIETIES—

- California.** Soft pink.
Blushing Beauty. Soft pink, with lilac.
Countess of Aberdeen. White, margined with pale pink.
Katherine Tracy. Flowers of large size, perfect form and most beautiful color of bright, rich pink.
Modesty. A beautiful pale blush.
Mrs. Gladstone. Rich rose-pink; of good size.

CARMINE VARIETIES—

- Chancellor.** New. Standard bright orange; wings bright orange-pink, a shade lighter than the standards. Oz. 15c.
Prince Edward of York. New. Finely expanded standard of charming shade of scarlet; wings of deepest rose color.
Prince of Wales. A bright deep rose of grand size; three and frequently four on a stem.
Princess Victoria. Light scarlet standard, wings shading to crimson; abundant bloomer.
Salopian. New. A variety of excellent form; standard suffused with orange, scarlet and crimson-lake; wings crimson, veined with purple.

CRIMSON VARIETIES—

- Firefly.** Foremost of the brilliant scarlets.
Invincible Scarlet. Bright crimson scarlet.
Mars. Best of all the Reds. Large size. Deep, pure crimson.

LAVENDER VARIETIES—

- Celestial.** Pure azure-blue. Beautiful.
Golden Gate. New.
Creole. Pinkish Lavender.
Lady Nina Balfour. A very delicate mauve color.
New Countess. New. Pure light lavender; self-color.
Lady Grisel Hamilton. New.
Countess of Radnor. Delicate lavender.



Sweet Peas.

PINK VARIETIES—

- Hon. F. Bouverie.** Soft pinkish salmon at base of the standard; wings shade to a lighter salmon-buff at the edges.
Red Riding Hood. A departure in form. Color rosy pink; remarkably long stems; very fragrant.
Venus. Wings salmon-buff; standard rosy pink.

ROSE VARIETIES—

- Eliza Eckford.** Standard beautiful rose; wings striped. Very attractive.
Lady Mary Currie. New. Deep orange-pink, delicately shaded rosy lilac. Oz. 15c.
Lady Penzance. Bright rose; very striking and distinct.
Mikado. Orange-cerise, striped white; splendidly shaped flower.
Ovid. A rich rose color; extra-fine variety.
Prima Donna. A most lovely shade of soft pink; of large size and fine form. A grand variety, frequently four flowers on a stem.
Royal Rose. Standard rosy pink; wings a charming light rosy pink; almost a self-color.

YELLOW or BUFF VARIETIES—

- Golden Gleam.** New. Pale, primrose-yellow.
Mrs. Eckford. Delicate primrose tint; most effective when bunched.
Queen Victoria. New. Soft straw-yellow, overlaid with faint purple. Splendid.

BEST CRIMSON FLAKE—

- America.** New. White, blotched and veined scarlet.

RED and ROSE FLAKE—

- Aurora.** Very large flowers, beautifully flaked and striped on a white ground with bright orange-salmon.
Lottie Hutchins. Large flowers, delicately flaked and striped with light pink on a rich creamy ground.
Mrs. J. Chamberlain. Of extra fine form and size; white, heavily striped and flaked with deep clear rose.

BEST MAUVE FLAKE—

- Gaiety.** White, striped rosy lilac.

BLUE FLAKES—

- Gray Friar.** Very distinct in color and markings; of good size and form; the general effect is gray.
Wawona. A new and distinct shade of beautiful heliotrope, delicately striped with white.

MAROON and PURPLE FLAKES—

- Princess of Wales.** White, striped mauve.
Senator. A fine large chocolate-striped flower; very showy.

RED and ROSE BICOLORS—

- Apple Blossom.** A fine large-hooded flower of delicate rose; splendid.
Blanche Ferry, Early. A very attractive variety, with deep rose standard; wings white, tinted pink. Very early.
Coquette. Deep primrose color, just shaded fawn, suffused with a pleasing and subtle tint of purplish rose. Oz. 15c.
Crown Jewel. Standard delicate creamy rose; pale primrose wings. Large flower.
Duke of York. White, striped with pinkish purple.
Little Dorrit. Carmine, tinted pink; wings white.
Painted Lady. Pink and white; very profuse bloomer.

SALMON or ORANGE BICOLORS—

- Countess of Powis.** New. Glowing orange, suffused with light purple.
Orange Prince. Bright orange-pink; splendid when bunched.

WHITE GROUND—

- Ramona.** A large, perfectly formed flower of fine substance and attractive markings; color a creamy white ground, delicately striped and barred with a soft pinkish purple.
Maid of Honor. The flowers are beautifully shaded with light blue on a white ground and edged with narrow border of deep rich violet.
Stella Morse. Cream-colored wings; standard pale pink. One of the best.

PICOTEE EDGES—

- Butterfly.** White, tinted lilac.
Lottie Eckford. White ground, suffused with heliotrope, deepest near the margins.

MAGENTA—

- Captivation.** Light magenta, self-colored.

ORANGE—

- Gorgeous.** New. Bright orange.

Thunbergia. Very charming tender annuals which should be raised in a moderate heat and grown in warmth until they commence to flower. Finest mixed. Pkt 5c.

Tropæolum

Very brilliant and effective half-hardy annuals growing 6 to 8 feet in height; excellent for training over verandas, trellis work or against walls in bare places. Thrive best in rich soil.

Canariense (Canary Creeper). A well-known climbing plant with elegantly fringed, bright yellow flowers. Pkt. 10c.

Lobbianum, Finest Mixed. Dark foliage. Pkt. 5c.



Verbena Hybrida.

Verbena

Verbenas are invaluable for summer bedding purposes, flowering freely the first year from seed; the constitution of seedlings is also better than that of cuttings, with less liability to disease and mildew. The seed should be sown early, being well looked after until germination is insured, a cool or at most a temperate treatment being better than heat. Half-hardy perennial.

Hybrida, Finest Mixed. Saved from the finest flowers of a splendid collection. Pkt. 10c.

Mammoth, Extra Selected. New. Large-flowered; very fine. Pkt. 10c.

Venidium Calendulaceum. A dwarf branching annual, with large wooly leaves nearly covering the ground and bearing profusely flowers somewhat resembling the Gazania, of a bright yellow shaded with orange, which close at sunset; a capital border plant. Height 1 foot. Pkt. 5c.

Venus' Looking-Glass. Hardy annual of compact growth, very profuse in flowering; suitable for beds or edgings. Mixed blue and white. Height 6 inches. Pkt. 5c.

Virginian Stock. Early, free-flowering hardy annuals, of dwarf and compact habit, thriving well in almost any soil. Height 6 inches. Mixed. Pkt. 5c.

Viscaria oculata. Profuse-flowering hardy annual, useful for mixed borders. Beautiful rose color, with a rich crimson eye. Height 1 foot. Pkt. 5c.

Wallflower. Very pretty half-hardy perennials, bearing long spikes of remarkably sweet-scented flowers. Start the seeds in heat. Finest mixed. Pkt. 5c.

Whitlavia grandiflora, Mixed. A hardy annual with large, showy flowers; very free-flowering. Height 12 inches. Pkt. 5c.

Xeranthemum. Very showy hardy annuals, which supply a profusion of flowers, which are splendid for drying as everlasting for winter bouquets, being very easily cultivated. Double mixed. Pkt. 5c.

Zinnias

These attractive and decorative half-hardy annuals are most desirable plants for mixed or bedding purposes and are remarkable for the profusion and duration of their blooms, which are extremely useful for cut bouquets. The double Zinnias are exceedingly handsome, the flowers being notable for their size, form and brilliancy.

Tall Double Finest Mixed. Superb mixture saved from the finest double and brightest-colored flowers. Pkt. 5c., oz. \$1.00.

Robusta Grandiflora Plenissima (Giant or Robust). Excellent class; enormous flowers. Pkt. 10c., oz. \$1.25.

Mixed Flower Seeds for Wild Gardens

Suitable for sowing in odd corners, bare spots, around shrubberies, etc. No one who has not seen a wildflower bed can form any idea of its possibilities. When flowering commences, something new blooms almost daily. Pkt. 5c., oz. 15c.

Vegetable Plants and Roots

ASPARAGUS—	Doz.	100
Conover's Colossal.....		\$1.00
Palmetto.....		1.25
CABBAGE PLANTS—		
Early Jersey Wakefield. Ready April 15.	\$0.15	1.00
Early Summer. Ready April 15. ....	.15	1.00
Stone Mason.....		.30
Fottler's Bruswick. Ready April 15 .....	.15	1.00
Improved American Savoy.....		.30
CAULIFLOWER PLANTS—		
Henderson's Early Snowball.....	.20	1.00
Early Dwarf Erfurt.....	.20	1.00
CELERY PLANTS—		
Paris Golden Self-Blanching.....		.75
White Plume and other varieties.....		.75
HORSE-RADISH SETS.....	.25	.60
PEPPER PLANTS—		
Large Bell or Bull Nose.....	.15	1.00
Sweet Mountain.....	.15	1.00
RHUBARB ROOTS.....	Each, 15c.	1.50
TOMATO PLANTS—		
Acme, Beauty, Canada Victor, Table Queen, Favorite, Fordhook First, Red Cross, New Stone, Dwarf Champion and other varieties. In boxes, 1 doz. in each, 30c.		

Plant Department

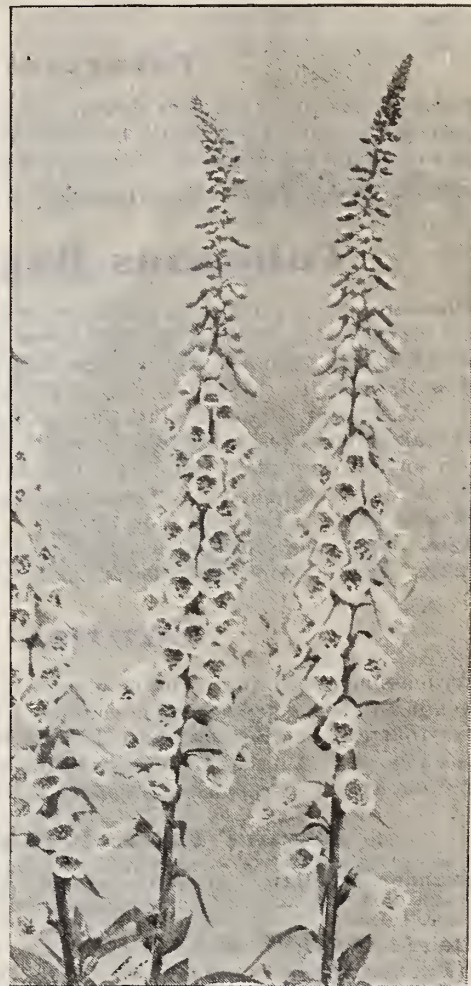
Bedding Plants

- Ageratum.** Blue. Each 10c., doz. \$1.00.
- Alyssum, Sweet.** Pot-grown. Each 10c., doz. \$1.00.
- Asters.** Assorted colors. Doz. 15c.
- Abutilon** (Chinese Bell-Flower). With variegated foliage. Each 15c., doz. \$1.50.
- Abutilon, Trailing.** Splendid for vases and hanging pots.
- Browallia speciosa major.** New. Very free-flowering plant, with handsome clear blue flowers, growing about 1 foot high. Excellent plant for house or garden. Each 10c., doz. \$1.00.
- Calendulas.** In pots, each 10c.
- Cannas, French Dwarf.** In pots, each 15c.
- Cannas, Tall.** In pots, each 15c.
- Cobæa scandens.** In pots, each 15c.
- Cockscomb.** In pots, each 5c.
- Coleus, Fine Sorts.** Best assortment in the State. Doz. \$1.00.
- Daisies.** In baskets, 35c.
- Feverfew, Golden.** Doz. 15c.
- Feverfew, Double White.** In pots, each 25c.
- Forget-Me-Nots.** In baskets, 35c.
- Fuchsias.** Each 15c to 50c.
- Gazanias.** Yellow, daisy-like flowers, with yellow petals and brown center; has long, narrow leaves. An uncommon and very attractive plant for the summer collection. Each 15c.
- Geraniums.** Double sorts. Doz. \$1.00 to \$2.50.
- Geraniums.** Single sorts. Doz \$1.00 to \$2.50.
- Glechoma.** A charming green and white-leaved trailing plant for vases and window baskets. Each 25c.
- Heliotrope.** In pots, each 10c. and 15c.
- Hollyhocks.** In separate colors, each 20c., doz. \$2.25.
- Lobelia.** Each 10c., doz \$1.00.
- Marigolds.** In pots, each 10c.
- Marguerites, Double Golden.** Each 15c., doz. \$1.50.
- Mesembryanthemum.** A curious and beautiful hanging plant, with large, fringed pink flowers and fleshy, narrow, round leaves. Each 15c. and 25c.
- Mignonette.** Pot. 10c.
- Nasturtiums, Dwarf.** Doz. 15c.
- Pansies.** Splendid varieties. 25c. to 35c. per basket.
- Pelargoniums.** Popularly called Lady Mary and Martha Washington Geraniums. In many shades from pure white to rich, velvety crimson; exquisitely beautiful. Strong, bushy plants, each 25c. to 50c.
- Petunias, Double.** In pots, each 15c.
- Petunias, Single.** In pots, each 10c.; seedlings, doz. 15c.
- Phlox Drummondii.** Each 15c.
- Ricinus** (Castor Oil Plant). In pots, each 15c., doz. \$1.50.
- Salvia, Scarlet.** In pots, each 15c., doz. \$1.50.
- Senecio scandens** (German Ivy). Each 15c., doz. \$1.50.
- Stocks, Double.** In pots, flowering, each 10c., doz. \$1; seedlings, doz. 15c.
- Sweet Williams.** In baskets, 30c.
- Verbena.** Doz. 30c.
- Vincas.** In pots, each 15c. to 50c.
- Venidium.** Covered until frost with pale yellow blossoms; leaves are large and pale green. Each 15c.
- Zinnias.** Doz. 15c.
- Carnation Plants.** In separate colors, pot-grown plants, each 15c., doz. \$1.50.

Hardy Herbaceous Perennial Plants

This attractive class of plants is worthy of great attention on account of their great beauty, permanence and easy culture. They are so hardy that they will succeed in almost any well-drained garden border, and if suitable varieties are selected they will prove a continual source of interest and enjoyment.

- Anemone Japonica alba.** Showy white flowers; late. 20c.
Japonica, Apple Blossom. New. Delicate pink. 50c. **Japonica rosea.** Deep rose color.
Aquilegia (Columbine). Finest mixed. Each 15c., doz. \$1.50.
Astilbe or **Spiræa Japonica.** One of the best plants for decorative purposes. Needs plenty of water. Each 15c., doz. \$1.50.
Coreopsis or **Calliopsis grandiflora.** Flowers deep golden yellow. July to October. 20c.
Delphinium (Perennial Larkspur). Fine for herbaceous borders. Continuous in flowering. Selected varieties. Each 10c., doz. \$2.
Digitalis (Foxglove). Long, showy spikes; white and blue flowers. 25c.
Helianthus multiflorus fl. pl. (Double Perennial Sunflower). Double yellow dahlia-like flower. Strong plants. 25c.
Maximiliana. Bright yellow flowers, dark center. Bushy plants. 25c.
Hemerocallis flava (Yellow Day Lily). Beautiful yellow fragrant flowers, borne in clusters on tall stems. If in a shady border they will remain in bloom a long time. 25c.
Hollyhocks, Double. Mixed colors. 25c.
Lobelia cardinalis (Cardinal Flower). One of the most brilliant flowers in cultivation. It is one of the best plants for the shady side of a house or moist situations. 3 feet high. 25c.
Lychnis Chalcedonica. Valuable because there are so few flowers of its color among hardy herbaceous plants. Flowers scarlet. 2 feet high. 20c.
Myosotis Victoria (Forget-Me-Not). A compact-growing variety, literally covered with sky-blue flowers. 8 inches high. In baskets 30c. per basket.
Pæonies. On account of their easy culture, the brilliancy and frequency of their flowers, which make a fine display during the early summer, these plants are exceedingly popular.
Hardy Herbaceous Varieties in separate colors. Each 35c., doz. \$3.50.
Papaver orientale (Oriental Poppy). The showiest of hardy perennials. Has large thistle-like leaves about 1 foot long clothed with white bristly hairs. Its deep scarlet flowers, more than 6 inches in diameter, make a most gorgeous display. 25c. each.
Phlox, Perennial. No garden, however small, is complete without some of these old favorites in separate colors. 25c. each.
Platycodon or **Wahlenbergia** (Japanese Bell Flower). Most desirable plants for the herbaceous border, bear large bell-shaped flowers. 3 feet high. 25c.
Rudbeckia Golden Glow. This is the finest plant yet introduced for the herbaceous border. It grows about 7 feet high, with an abundance of bright yellow double flowers resembling the chrysanthemum. 20c.
Scabiosa Caucasica. Large light blue flowers; grows 18 inches high. 25c.
Caucasica alba. New. Large pure white flowers; very useful for cutting.
Tritoma Uvaria grandiflora (Red Hot Poker). Admirably adapted for planting in single clumps on the lawn or among the shrubbery, where its tall handsome spikes of orange-red flowers make a very effective display. Strong plants, 50c.
Trollius Japonica fl. pl. (Double Buttercup, Globe Flower). Beautiful deep yellow flowers, like immense buttercups. Their bright flowers appear in early spring. They deserve more general planting. 25c.



Digitalis.

Summer and Autumn Flowering Bulbs and Plants



Lilium Auratum.

Iris Kämpferi (Japanese Iris). This Iris, which in size and color is unsurpassed, has flowers of large size and of indescribable hues and colors, the prevailing colors being white, crimson, rose, lilac, with lavender, violet and blue, each flower representing several

shades, while a golden yellow blotch surrounded by a halo of blue or violet at the base of the petals intensifies the wealth of coloring. The Japanese Iris is perfectly hardy, attaining its greatest perfection if grown in rich, deep and moist soil, or if plentifully supplied with water. Each 15c., doz. \$1.50. Add 5c. each if wanted by mail.

Caladium Esculentum

(Elephant's Ear.) A magnificent sub-tropical plant with immense light green leaves veined with dark green. Splendid for the center of beds or for single specimens in lawns. The best results are obtained when the plants are placed where they will readily get plenty of water. In two sizes, 10c. and 15c. each, \$1.00 and \$1.50 per dozen.

Lilies

Their graceful and stately habit of growth, large and variously colored flowers, many of which are highly fragrant, render them very desirable subjects for out-of-door cultivation. Any of the strong-growing sorts are well adapted for planting among shrubs or in similar situations. Nearly all the varieties are hardy, but it is advisable to protect them in winter with a covering of manure.

Auratum (Gold-Rayed Lily of Japan). One of the most beautiful varieties in cultivation. Each 15c. to 25c., doz. \$1.50 to \$2.50. If wanted by mail, add 5c. each for postage.

Lancifolium speciosum album. Flowers pure white, very fragrant; hardy. Each 15c., doz. \$1.50.

Lancifolium rubrum. White, heavily spotted with red. Each 15c., doz. \$1.50.

Calla Lily Æthiopica. The most popular Calla Lily. Pure white. Each 15c., doz. \$1.50.

Cinnamon Vine (Chinese Yam). Hardy climber, with beautiful, glossy and fragrant flowers. The roots are edible. Each 5c., doz. 50c.

Madeira Vine. A popular and favorite tuberous-rooted, climbing plant, with dense and beautiful shining foliage and of very rapid growth. Succeeds best in a warm, sheltered, sunny situation. Very useful for training around the windows in the house. Tubers, each 5c., doz. 50c.

Tuberose

A most delightfully fragrant flower. Invaluable wherever cut flowers are in demand. They should be potted in rich loam and started in heat and should not be set out in the garden until June.

Excelsior Double Pearl. Extra large bulbs. Each 5c., doz. 30c., 100 \$2.

Tuberous Begonias

These are splendid plants for the house or conservatory, and particularly valuable for bedding, as they flower in the greatest profusion throughout the summer. For bedding they should be started in a hotbed in March, with the hollow end of the bulb but slightly covered. Very little water is needed until the plants are growing. For pot culture make several plantings from January to March in small pots in sandy soil and transplant into larger pots as soon as the leaves appear. Give plenty of light and air, but shade from hot sun.

Hybrids. Mixed. Each 10c., doz. 75c.

Single. Each color separate. Each 10c., doz. 75c.

Double. Mixed colors. Each 15c., doz. \$1.50.

Cannas

For massing or bedding no other plant will give the magnificence of effect of a well-selected variety of cannas. The roots we offer are the finest that can be grown, and can be depended upon to come true to name and color. Our list of varieties below has been chosen with great care from the most responsible Canna growers of the country.

Dwarf French Varieties

Alexander McLellan. An improvement on Madame Crozy, having larger blossoms and lighter coloring; crimson, yellow bordered. 10c. each.

Belle of Newport. Fine yellow. Each 10c., doz. \$1.00.

Charles Henderson. Deep crimson, yellow throat. Each 10c., doz. \$1.00.

E. G. Hill. Scarlet, marbled with crimson. Each 10c., doz. \$1.00.

Mr. Gladstone. Buff with golden yellow border. Each 10c., doz. \$1.00.

Madame Crozy. Dazzling crimson and yellow. Each 10c., doz. \$1.00.

President Cleveland. Fine rich crimson; flowers large. Each 10c., doz. \$1.00.

President Carnot. Rich carmine, bronze foliage. Each 10c., doz. \$1.00.

Tall Varieties

America. Dark red foliage, with enormous purple-flamed flowers. Each 10c., doz. \$1.00.

Edouard Andre. Fiery red with orange-yellow spots. Each 10c., doz. \$1.00.

La France. Large flowers of brilliant orange-scarlet. Each 10c., doz. \$1.00.

Austria. Large, canary yellow, magnificent flowers. Each 10c., doz. \$1.00. If wanted by mail, add 5c. each.

Clematis

To satisfy our ever-increasing demand for this showy climbing plant, we have purchased for the coming season a large stock of strong and vigorous roots which will, with a little care, give the most satisfactory results.

Jackmani. Purple, the most valuable of its color. 75c. to \$1.00 each.

Madame Bacon. Flowers are of a large size; delicate blush white, beautifully marked. 75c. to \$1.00 each.

Dahlias

The soil for cultivation of Dahlias should be strong and rich and well worked with spade or plow. The tubers should be planted, in this latitude, the last of May, at a depth of 3 or 4 inches. As the season advances the ground about the plant should be mulched, unless it is naturally moist; and if water can be supplied to the plants two or three times a week the result will pay for the labor.

Show and Fancy. This section is still the most admired of all; their form is frequently absolute perfection, each petal most exquisitely shaped, the perfect match of every other one in the same row, while the colors are either vivid, pure and strong or else delicately shaded and tinged. We have a collection of over 60 varieties, in all shades, to select from. Each 15c., doz. \$1.50.

Pompon. The small size of flowers make them charming as cut flowers, while their form and coloration are as fine as those of the show section. We have an assortment of over 50 distinct named varieties. Each 15c., doz. \$1.50.

Cactus and Decorative. They are exceedingly beautiful and as flowers for personal adornment or for vases they are not easily excelled. Some of them have long pointed and twisted petals. We have some three dozen named varieties of this most beautiful section to offer. Each 15c., doz. \$1.50.

Gloxinia

Showy, free-flowering summer plants, very desirable for pot culture. They succeed best in a porous, well-enriched soil and a warm, moist atmosphere. Strong flowering bulbs. Each 10c., doz. \$1.00.

Peonies

We have on hand for spring or fall planting the following varieties of this beautiful plant. The flowers are of mammoth size and of delicious fragrance. Planted in groups on open lawns, they are most effective.

White. Strong roots. Each 20c., doz. \$2.25.

Rose and Red. Each 15c., doz. \$1.50.

Hardy Perennial Phlox

Among hardy and herbaceous plants none are more gorgeous and more easily grown than these. They are perfectly hardy, succeeding in any garden soil and producing magnificent spikes of showy and lasting flowers year after year with very little care. The varieties we offer are among the finest in cultivation and comprise the best and most distinct colors.



An Arch of Honeysuckles.

Vines and Climbers

- Ampelopsis Veitchii** (Japanese or Boston Ivy). A most attractive clinging vine. The beautiful dark green leaves assume in the fall the most gorgeous shades of crimson and scarlet. Strong, transplanted plants. From 25c. to 50c.
- Aristolochia Sipho** (Dutchman's Pipe). Very hardy, strong-growing vine, with large, peculiar shaped leaves resembling the Elephant's Ear. Flowers yellowish brown. Very strong plants, 50c.
- Clematis Jackmani**. A splendid variety with large purple flowers; very showy and deservedly popular. Extra strong plants, 75c.
- Paniculata** (Japanese Virgin's Bower). Exceedingly handsome, perfectly hardy in any situation, requiring no protection in the most severe winter. A very rapid grower, quickly covering walls, trellises, or old tree stumps. The leaves are small, dark green and glossy. The flowers are pure white and deliciously fragrant, and are produced in great profusion in the early fall. Extra large plants, 50c
- HONEYSUCKLE, Sweet-scented Monthly** (*Lonicera belgica*). This is the most satisfactory of Honeysuckles, producing continuously large trusses of very fine fragrant red and yellow flowers. 25c.
- Bignonia radicans** (Trumpet Vine). A very fine hardy climber, bearing clusters of large trumpet-shaped, crimson orange-colored flowers. Will thrive in almost any soil or situation. 30c.
- Wistaria magnifica** (Grape Flower Vine). Very best ornamental hardy-flowering climbers we possess. Their lovely panicles of dark blue flowers are produced in the most wonderful profusion under almost any circumstances. 25c.

Gladiolus

A search, be it ever so painstaking and complete, of the floral kingdom will discover no flower of such easy culture, embracing the great range of color with endless combinations and variety, to equal the Gladiolus. Although called the people's flower, it to-day is practically unknown to both the amateur and average grower, and the newer hybrids have greater beauty and more exquisite coloring than any other garden ornament.

Lemoine's Mixed (Hybrid or Spotted). This brilliant and remarkable class of Gladiolus was originated by Mr. Lemoine, of France. The flowers are quite distinct from other Gladioli and have a rich, orchid-like appearance. In the blotch, which is a feature of the flower, the color is exceptionally attractive. Doz. 40c., 100 \$3.

	Doz.	100	1000
Mixed Varieties. Red and Scarlet,	35c.	\$1 50	\$12.00
" " White and Light,	45c.	2.25	18 00
" " Yellow and Orange,	60c.	3.25	30 00
" " Striped and Variegated,	50c.	2.75	25 00
" " Pink and Rose,	40c.	2.00	15 00
1st Size Meadow Vale Mixture,	40c.	1.75	14 00
2d " " " "	35c.	1.50	10 00

Groff's New Hybrids. Splendid new strain, embracing thousands of varieties in the greatest diversity of color.

	Doz.	100	1000
Mixed Seedlings. First selection,	75c.	\$4.00	\$25.00
Lemoine's. Fine colorings and odd markings,	40c.	2.60	16.00
Nanceianus. Large, brilliant colored flowers,	80c.	5.00	

Farm Seeds.

- Barley, Two-Rowed and Six-Rowed.** Sow 2½ bushels to an acre.
- Buckwheat, Japanese.** Early and very productive. Kernels very much larger than those of any other variety. One bushel of seed required to sow an acre.
- Silver Hull.**
- Millets, Hungarian (Grass).** Medium early; grows 3 to 5 feet. Abundant foliage and slender head; withstands drought and yields well on light soil.
- Barnyard or Japanese.** Tall-growing but not woody. One bushel to an acre.
- Common.** The standard old sort. One bushel to an acre.
- Golden or German.** Valuable soiling plant. Good for bird food. Sow one to one and one-half bushels to an acre.
- Siberian.** Strong growing and hardy. One bushel to an acre.
- Oats, White Seed.** Good, plump, clean seed. Three bushels of seed to an acre.
- Rye, Spring.** This is valuable as a catch crop.
- Winter.** One and one-half bushels to an acre.
- Wheat, Spring and Winter.**
- Blue Stem.** About two bushels to an acre.
- India.** Very quick-growing and productive. Good substitute for buckwheat.
- Cow Peas.** Splendid fodder plant, extensively used for turning under. Poor sandy land may be greatly improved by turning under a crop of Cow Peas. Pk. 60c., bu. \$2.
- Soja Beans or Coffee Berry.** This valuable pasture plant is one of the most nutritious of all vegetable products. It will produce a crop of from 20 to 30 bushels to an acre and is very easily grown. For pasturing or feeding as green fodder it is very valuable, and is almost equal to clover for fertilizing. Qt. 15c., pk. \$1.00.
- Vetches or Tares.** Excellent food for cattle and hogs. A very good substitute for corn and peas. Sow broadcast the same as wheat. For green fodder they are often sown with oats, and are much relished by stock. Three bushels of seed to an acre. Bu. \$3 50.
- Dwarf Essex Rape (True, Imported).** Dwarf Essex Rape is easily grown and perfectly hardy, and is remarkable for its fattening qualities. The plant is a rank grower. Any corn soil will grow good Rape. When sown in June, the Rape will have to be fed during August, though if the first crop is cut about four inches from the ground, there would be a useful second growth. For the breeding flock a piece should be sown about the first week in July, with some even later. It does well sown with oats. After the oats are cut the Rape grows rapidly. Rape is especially adapted for a catch crop, succeeding well when, for any cause, other crops have failed, as it, like the turnip, makes its growth late in the season. It can be sown on stubble and will furnish excellent pasturage when needed in the fall. When sown broadcast, use five pounds to the acre. ¼ lb. 5c., ½ lb. 10c., lb. 15c.

Clover Seeds

Alfalfa or Lucerne (*Medicago Sativa*). The great value of Alfalfa is its enormous yield of sweet and nutritious forage, which is much relished by all kinds of stock, either when green or cured into hay. It yields enormous crops, and when once established can be cut from three to four times a year, even in the driest summers. The reasons for this are that Alfalfa develops very long roots, often reaching 12 feet below the surface, which are thus able to get moisture which other small-rooted plants never reach. It is perfectly hardy and will stand many years. Its luxuriant foliage, by shade, increases the fertility of the soil, and smothers noxious weeds. Best sown in spring on mellow, well-drained or rolling land where water readily passes away. Sow 10 pounds to an acre.

Alsike (*Trifolium hybridum*). This is remarkable for its hardness. It is also the earliest large Clover, productive, sweet, extremely valuable both for pasturage or soiling. It adapts itself to almost any kind of land, and is capable of resisting the extremes of wet and drought alike. It makes a finer and better hay than Red Clover. The flowers are a light pink and afford fine pasturage for bees. Clover-sick lands will sometimes produce fine crops of Alsike, which lands, after three years in Alsike and an intermediate grain-crop, will again produce Red Clover. Sow 12 pounds to the acre.

Crimson (*Trifolium incarnatum*). This Clover is very popular with the farmers of the South and West, and is recognized as a necessary and valuable addition to economical farming. May be sown any time from May to October. Sown early, the first growth is available for pasturage in the fall, and still makes a good crop of hay the following summer, or may be turned under for corn or other crops, and for that purpose is said to be more valuable than the ordinary Red Clover. Rooting very deep, it supplies nitrogen and potash to the soil. Horses and cattle are fond of the hay, which should be cut when in full bloom. Sow 10 pounds of seed to the acre.

Red, Mammoth or Pea Vine (*Trifolium pratense*). Grows to a height of 5 or 6 feet. The stalks are very coarse; valuable for plowing under. Sow 10 pounds to the acre.

Red or June (*Trifolium pratense*). This is the most widely cultivated of the pasturage plants, loosening the soil and admitting the air, and drawing up and storing away near the surface the valuable element scattered in the earth beneath. It is regarded as one of the best vegetable fertilizers, as well as cattle food of the highest merit. It does best on stiff loam. Sow 15 pounds to the acre. Biennial.

White (*Trifolium repens*). Valuable for permanent pastures, also lawn mixtures. Sow 9 pounds to acre.

Grass Seeds

Crested Dog's Tail (*Cynosurus cristatus*). A fine-growing evergreen Grass, particularly adapted for hard, dry soils and hills pastured by sheep. It is very hardy, and is little affected by extremes of weather. Sow 2 to 3 bushels per acre. 20 pounds to the bushel.

English Rye (*Lolium perenne*). One of the best and most nutritious Grasses for permanent pastures. It endures close cropping and recovers quickly after cutting. Perennial. Sow 2 bushels to the acre. 24 pounds to the bushel.

Fowl Meadow (*Poa serotina*). A valuable Grass for sowing on low, wet lands that are occasionally overflowed. It is a perennial. Sow 3 bushels to the acre. 12 pounds to the bushel.

Wild Rice. For sowing around duck ponds. For wild fowl. Lb. 25c.

Orchard (*Dactylis glomerata*). One of the most valuable of all the cultivated Grasses, blooming with Red Clover and making with it an admirable hay. As a pasture grass it is more productive than any other and does best under close feeding. It recovers rapidly. It stands drought better than any other Grass, keeping green and growing when others are dried up. In summer it will grow more feed in a day than Blue Grass will in a week. It is disposed to grow in tussocks; a good preparation of the land and uniform, liberal seeding is a good remedy for this. All kinds of stock like it, and it yields an enormous quantity of very superior hay. It succeeds well in any soil, doing especially well in moist places. Should be sown in all permanent pastures and shady places. Sow 3 bushels to the acre.

Red Top. Chaff Seed. Sow 3 bushels to the acre.

Fescue, Hard (*Festuca duriuscula*). A very useful Grass, and should be included in all sheep pastures, or in permanent pastures on gravelly soil. Does well in damp ground or in a salt atmosphere. Retains its green color during drought. Sow from 2 to 3 bushels to the acre. 12 pounds to the bushel.

Fescue, Meadow (*Festuca pratensis*). One of the best of our natural Grasses. It is greatly relished by all kinds of stock; it is very fattening and makes excellent hay. It is very hardy and succeeds in almost any soil, but attains its greatest perfection in moist, rich land. It should form a prominent part in all permanent pasture and meadow mixtures. Height from 2 to 3 feet. Flowers June and July. Sow 2 bushels to the acre. 22 pounds to the bushel.

Fescue, Tall (*Festuca elatior*). A tall growing Grass, particularly adapted for strong clay and wet soils. This variety should form a part of all mixtures for marshes and wet lands. Makes an excellent hay. Sow 2 bushels to the acre. 14 pounds to the bushel.

Fescue, Sheep's (*Festuca ovina*). This grass should form a large part of all mixtures intended for sheep grazing on high upland or dry pastures. In growth it is short and dense; the leaves are narrow and hair-like. Very nutritious, deep-rooted; grows well on dry soils or on rocky hedges. 12 pounds to the bushel.

Kentucky Blue, June or Smooth-Stalked Meadow (*Poa pratensis*). This is a pasture Grass of great merit, the earliest to start in the spring and lasts well into the winter. Though it makes good quality hay, it is not to be recommended for that purpose, being a light cropper. It requires a longer time to become established than other Grasses. Extra fancy cleaned seed free from weeds. Sow 3 bushels to the acre.

Red Top (*Agrostis vulgaris*). Fancy Extra Recleaned Seed. A well-known perennial and valuable pasture Grass. It also makes excellent hay. Thrives well on almost any soil, but does best on moist land. When pastured, Red Top should be fed close, as when grown to seed the cattle do not relish it. Sow 15 pounds to the acre.

Rhode Island Bent (*Agrostis canina*). A most valuable permanent Grass, extensively used for lawns and pastures. Forms a very fine turf. Especially adapted for salt atmospheres. 14 pounds to the bushel.

Sweet Vernal (*Anthoxanthum odoratum*). Valuable on account of the fragrance it imparts to the hay when drying.

Tall Meadow Oat (*Avena elatior*). A very early, quick-growing sort; roots deeply; leaf broad. Produces a large quantity of early and late growth, which allows it to be cut frequently. Should be cut for hay when coming into flower. Sow 4 bushels per acre.

Timothy or Herd's Grass (*Phleum pratense*). This valuable Grass thrives best on moist, loamy soil. As a grass to cut for hay this variety is unsurpassed. If allowed to ripen its seed it becomes very coarse. When cut in the bloom it is very bright and nutritious. Sow ½ bushel to the acre.

Wood Meadow (*Poa nemoralis*). A variety growing naturally in shady places and moist, rich soil. Forms a close sod, and should be sown in shady places in lawns. Sow 2½ bushels to the acre.

Herbs

Caraway. The seeds are used in flavoring bread, pastry, sauce, and sometimes in cheese-making. Sow seed in the spring, in drills about 3 feet apart and thin to 6 inches. Biennial. Pkt. 5c., oz. 10c.

Lavender. The leaves of this plant are used for seasoning and the flowers for perfumery. The seed should be sown in the early spring. Perennial. Pkt. 5c., oz. 20c.

Marjoram, Sweet. Extensively used for seasoning. Sow the seed in the early spring; when 3 inches high thin to 6 inches between the plants. Perennial. Pkt. 5c., oz. 15c.

Sage. One of the most popular garden herbs, used for seasoning and distillation. Sow in spring, in drills a foot apart; thin to 6 inches between the plants. Annual. Pkt. 5c., oz. 15c.

Summer Savory. Very much cultivated for seasoning meat and vegetables. Sow in drills a foot apart and thin to 5 inches. Stems straight; foliage light blue and exceedingly small. Annual. Pkt. 5c., oz. 15c.

Thyme. Used extensively for seasoning and in distillation. The flavor is strongly aromatic. Sow in rows 15 inches apart. Perennial. Pkt. 5c., oz. 30c.

Bird Seeds, Etc.

Canary Seed. Lb. 10c.

Hemp Seed. Lb. 10c.

Lettuce Seed. Oz. 10c., lb. 50c.

Maw Seed. Lb. 15c.

Millet Seed. Lb. 10c.

Rape Seed (German). Lb. 10c.

Rice, Wild. For water-fowls. Lb. 30c.

Rice, Unhulled. Lb. 10c.

Sunflower Seed. Large Russian. Lb. 10c.

Mixed Seed in 1-lb. packages, 10c.

Bird Gravel. Pt. 5c.

McAllister's Mocking-Bird Food. Bottle 25c.

Song Restorer. 10c.

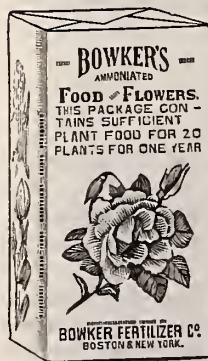
Cuttle Fish Bone. Lb. 40c.

FOR POULTRY SUPPLIES, see descriptive price-list.

Weight of Various Articles

		Pounds per Bushel			
Apples	48	Corn, on Ear	70	Onions	52
Barley	48	Corn Meal	50	Peas	60
Beans	60	Cranberries	40	Rape	50
Buckwheat	48	Flax Seed	56	Rye	56
Blue Grass, Kentucky	14	Hemp Seed	40	Red Top Seed, Chaff	10
Blue Grass, English	24	Hungarian Grass Seed	48	Red Top Fancy, Clean	40
Bran	20	Irish Potatoes	60	Sweet Potatoes	56
Canary Seed	60	Millet	50	Timothy Seed	45
Castor Beans	46	Oats	32	Turnips	58
Clover Seed	60	Osage Orange	33	Wheat	60
Corn, Shelled	56	Orchard Grass	14		

Bowker's Ammoniated Plant Food



A dressing made for plants grown in the house, garden or conservatory, made from the same chemicals that are used in making many kinds of medicine; clean, odorless and producing early and abundant blossoms of rich and brilliant color, and healthy and luxuriant plants, free from vermin. In packages 15c. and 25c. If wanted by mail add 5c. for small and 15c. for large package.

Old-Fashioned Peruvian Guano

The Guano is pure, has not been "rectified" or "standardized," or treated in any way, but contains all the original properties of the true, old-fashioned Peruvian Guano. For indoor or outdoor use, for greenhouse, conservatory, market-gardening or general field culture, it can be safely and profitably used, because it is Nature's own restorer of plant-food, and is a complete fertilizer. It is adapted to all kinds of crops, including vegetables, small fruits and orchards, and is considered the ideal fertilizer for tobacco in the large tobacco fields of Cuba, and Cuban tobacco is the standard of the world. It supplies the needed elements in natural forms, with no injurious properties whatever. 100 lbs. \$2.50-ton \$45.

Sheep Manure

This is a pure natural manure and the most nutritious food for plants. Its effect is immediate and lasting, it is clean to handle and the best of all manures for mixing with the soil for greenhouse plants. As a lawn top-dressing it is unequalled. For mixing with soil, take one part manure to six parts soil. For making a liquid, take one pound manure to five gallons water, which can be used with safety daily if necessary.

BUG DEATH



Pat. March 10 and Nov 9, 1892.
Pat. in Canada Nov 2, 1892.

This Insecticide and Plant Food Combined has been on the market for some years and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous, which makes it perfectly safe to use on all plants or vines.

Very Beneficial Results are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose. Bug Death prevents blight.

Reduction in Price. The manufacturers, at the request of the trade and many consumers, have added a 100-pound keg, which will be much appreciated by the farmers, as it reduces the cost per pound.

Put up as follows, with trade mark on each package:

1-pound package.....	\$.15
3-pound package.....	.35
5-pound package.....	.50
12 1/2-pound package.....	1.00
100-pound package.....	7.00
Perfection Shaker for applying Bug Death.....	.65

Bug Death may be applied dry with the Perfection Shaker, or with a small bag made from burlap or gunny cloth having the right mesh; also mixed with water and sprayed as above stated. The best spray for fruit trees and shrubbery. Ask for special booklet on spraying.

It Is Not a Poison. It can be used with perfect safety on any crop. It is not poisonous to human beings or to animals. You can use it on cabbage one day and eat it the next without injury.

It Is More Effective than Paris Green on any vegetable crop and has none of the dangerous qualities of Paris Green, Laurel Green, London Purple, or any other of the arsenical poisons used for insecticides.

Portland Market Gardeners More than Pleased with Bug Death. During the past season we sold thousands of pounds of Bug Death to the market gardeners in and near Portland. It met with success everywhere. It has been



fully tested on almost every crop grown in this latitude, and it has given entirely satisfactory results, where properly applied, in driving away or killing all the insects which were destroying the crops. The market gardeners invariably said: "It is the best thing we have ever used. It does the work perfectly."

Don't Wait until the Bugs have eaten up half your crop. Dust Bug Death on as soon as the bugs appear. Use it freely, dusting it on when the plants are wet with rain or dew. If you prefer to spray your plants, it can be mixed with water and sprayed on in liquid form.

Dickey Bug Death Shaker. It is provided with a scoop attached to the perforated thimble for filling. Price 25c. each.

Dalmatian or Persian Insect Powder. One of the safest and best insecticides for all insects. When blown on with a powder-bellows or gun it penetrates hidden crevices, and is invaluable to the house-keeper for flies, cockroaches, etc. Lb. 40c.

"Rose Leaf" (Extract of Tobacco). "Rose Leaf" is simply a perfectly pure, highly concentrated, aqueous extract of tobacco, always uniform in strength of nicotine poison, this feature being definitely determined by chemical analysis, and not by guess-work. Pt. can 30c., qt. 50c., 1 gal. can \$1.50, 5-gal. can, \$5.

Tobacco Dust. Very cheap and effectual remedy for greenfly on plants. Valuable as a fertilizer. 1 lb. 10c., 5-lb. pkg. 30c.

Tobacco Stems. For fumigating. Invaluable as a mulch for rose beds, lettuce beds, sweet peas, etc. They prevent the destructive work of the cut and wire-worms and other insects. Bale of about 100 lbs. \$1.25.

Tobacco Soap. Manufactured from the essential oil of tobacco for the destruction of insects, parasites and their eggs. Lb. 40c., 1/2 lb. 25c.



Nikoteep Aphid Punk. This is a special preparation of nicotine for the extermination of green and black fly, thrip, etc., in greenhouses and conservatories. It is also effective in killing caterpillars on shade and fruit trees. Contains none of the ammonia which causes injury to delicate plants when heavy tobacco smoke is used. Box of 12 rolls 60c.

Whale Oil Soap. Makes an excellent wash for trees and plants; destroys insects and their eggs. 1 lb. 15c., 2-lb. pkg. 25c., 5 lbs. 50c.

Boxal. A combined insecticide and fungicide, superior to Paris Green and Bordeaux Mixture, and taking the place of both. 5-lb. can 50c., 10-lb. can \$1.25, 25-lb. can \$2.25.

Insect Emulsion. A clean and cheap remedy for lice on house plants or animals. 1-qt. can 30c., 2-qt. can 50c., 1 gal. can 75c., 2-gal. can \$1.25.

Disparene. The most powerful known remedy for all leaf-eating insects. 2-lb. can 50c., 5-lb. can \$1, 10-lb. can \$1.80, 25-lb. can \$4.25.

Fir Tree Oil (Soluble). For destroying all insects that infest plants and animals, such as mealy bug, scale, red spider, green fly, thrip, lice, fleas, etc. Quite harmless to the hands of the user. Directions with each package. 1/2 pt. 50c., pt. 75c., qt. \$1.25.

Hellebore Powder, Lion Brand. Prepared from fresh root. One of the most effective insecticides for rose slugs, currant worms, green fly and other insects. 1/4-lb. pkg. 10c., 1/2-lb. pkg. 15c., 1-lb. pkg. 25c.

Paris Green. The purest and highest grade obtainable. Impure and cheap Paris Green, as often sold, is the cause of much loss to the farmer. Lb. 25c.

Bordeaux Mixture, Lion Brand. A valuable and indispensable fungicide for grape-growers, insuring larger crops and finer grapes and preventing failure. Successful against black rot, mildew and rust. Being in liquid form, it is very convenient to handle. One gallon will make 50 gallons of spraying liquid by addition to 49 gallons of water. 1-qt. cans 40c., 1-gal. cans \$1.

Dry Bordeaux Mixture. Much time and labor may be saved by Dry Bordeaux Mixture; saves the laborious task of carrying water.

Dry Bordeaux Mixture and Paris Green Compound. It kills potato bugs and plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition; acts as a plant-food. 1-lb. pkg. 20c.



Hammond's Slug Shot. Destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbage, currants and vegetables and fruits of all kinds. This preparation is absolutely safe to use, and will not injure the foliage. One of the cheapest and most infallible insecticides on the market. 1-lb. pkg. 10c., 5-lb. pkg. 25c.

Bodo. A valuable remedy for rust, rot, blight and fungous diseases in general. 5-lb. can 50c., 10-lb. can \$1, 25-lb. can \$2.

Bodlime. Prevents moths, caterpillars and other insects from ascending trees. A substitute for printer's ink and much cheaper. 5-lb. can 85c., 10-lb. can \$1.25, 25-lb. can \$2.25.

Potash Whale Oil Soap. A sure remedy for the San Jose scale and all other scales or lice on plants or trees. 5-lb. can 50c., 10-lb. can \$1.25, 25-lb. can \$2.25.



Crop produced by two plants; one inoculated with Nitro-Culture, the other not inoculated. Common bean, grown and photographed by George W. Biddle, Flintdale, Ala.

Nitro-Culture

Doubles Your Crop

NO TIME. NO LABOR. LITTLE EXPENSE.

Results Guaranteed or Money Refunded.

Nitro-Culture is a germ, sold in dry packages like a yeast cake. (Dissolve in water as per directions which come with each package.)

When seeds are sprinkled with the solution before planting, the germs multiply in the soil very rapidly, and cause nodules to form on the roots of plants. These nodules collect the nitrogen out of the air, and feed the plant roots.

Nitrogen is plant food, and therefore a tremendous increase in crop is bound to come.

What is Claimed for Nitro-Culture

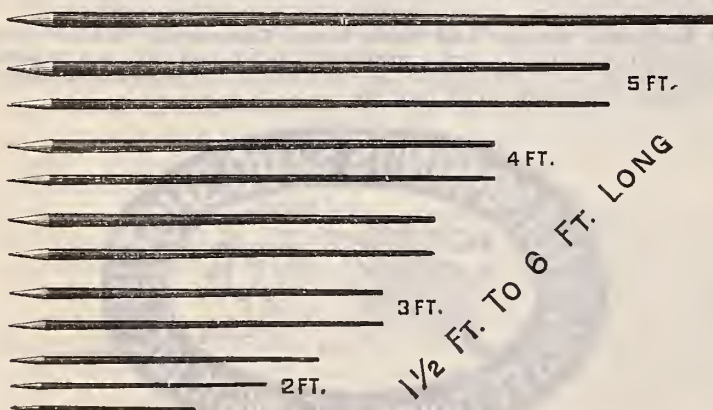
On poor or sandy soil, any leguminous (*i. e.* pod bearing) crop, such as clover, alfalfa, beans, peas, vetch, peanuts, etc., can (provided good seed is used) be more than doubled the first year, by merely moistening the seed with a solution of Nitro-Culture

and allowing it to dry on the seeds before planting. Perhaps the greatest benefit may be derived the second year when any crop, such as wheat, corn, cotton, potatoes, etc., may be planted without fertilizer, and they will yield double what would otherwise be taken from the same land. Many persons claim that in money value this would be equal to \$20 per acre, or that a like amount would have to be expended on phosphates, capable of producing equal results. Can you afford to overlook this cheap but effective method which nature has provided for the enrichment of the soil? (*Says the United States Department of Agriculture: "It is worse than useless to attempt to grow any leguminous pod-bearing crop without being certain of the presence of the bacteria which enable the plants to fix free nitrogen. Certain soils are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating the germs be resorted to the crop will be a failure."*)

This matter of Nitro-Culture is now no novelty but has passed beyond the experimental stage and is accepted as a great fact in agriculture by all our agricultural colleges and by the United States Department of Agriculture. This department has supplied the inoculating material to those experimenting with it, and as put up by a reliable firm we now offer it to the farmers of the United States as a commercial article at the following prices mailed to any address in the United States or Canada, sufficient to inoculate the following seed per acre:

Alfalfa, \$2.00, Red Clover, \$2.00, Crimson Clover, \$2.00, Japan Clover, \$2.00, Cow Peas, \$2.00, Wax Peas, \$2.00, Soy Beans, \$2.00, Beans, \$2.00, Vetch, \$2.00, Velvet Beans, \$2.00, Peanuts, \$2.00, Horse Beans, \$2.00, Lima Beans, \$2.00, Garden Peas, 1/2 acre, \$1.00. Sweet Beans, 1/2 acre, \$1.00.

Very full instructions will be sent with every package. Guaranteed to keep six months from date of shipment and can be used within that time.



Green Painted Round Plant Stakes

Strong, durable and very neat.

	Each	Doz.	100		Each	Doz.	100
1 1/2 feet long.....	\$0.02	\$0.15	\$1.00	3 1/2 feet long....	\$0.06	\$0.60	\$3.75
2 feet long.....	.03	.25	1.75	4 feet long.....	.07	.70	4.50
2 1/2 feet long.....	.04	.30	2.35	5 feet long.....	.08	.80	5.50
3 feet long.....	.05	.50	3.00				

Heavy Green Painted Round Stakes

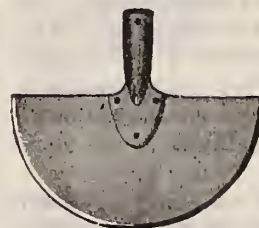
Suitable for cannas, dahlias, hollyhocks and all other plants requiring strong support.

	Each	Doz.	100		Each	Doz.	100
3 feet long.....	\$0.07	\$0.70	\$4.50	5 feet long.....	\$0.10	\$1.10	\$7.00
4 feet long.....	.09	.90	6.00	6 feet long.....	.12	1.30	10.00

Square Painted Plant Stakes

	Each	Doz.	100		Each	Doz.	100
1 1/2 feet long.....	\$0.02	\$0.15	\$1.00	4 feet long.....	\$0.06	\$0.65	\$4.25
2 feet long.....	.03	.20	1.35	5 feet long.....	.07	.75	5.50
2 1/2 feet long.....	.04	.25	1.75	6 feet long.....	.10	1.00	7.00
3 feet long.....	.05	.45	3.00				

Garden Tools, Etc.



Grass Edging Knife.

Asparagus Knives. For cutting asparagus below the ground. A convenient and valuable tool. Is also frequently used for removing dock dandelion and plantain from lawns. Each 50c.

Dibbers. Used for transplanting cabbage and cauliflower plants, etc. Metal. Each 35c.

Fruit Pickers. Made of wire and very strong. Each 20c. and 25c.

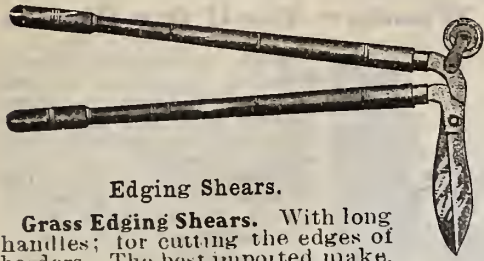
Grass Edging Knives. For trimming the edges of turf. Each 50c.

Grass Hooks. Imported and American. Various sizes 25c. and 75c.

Plant Tubs

Oak. Natural wood finish. These are neatly made, with galvanized iron handles. They are admirably adapted for use on lawns, in halls, etc. The bottom is made of pine, rendering the tub lighter and much more durable.

12 inches diameter, 11 inches high.....	\$1.10
14 inches diameter, 12 inches high.....	1.35
16 inches diameter, 13 inches high.....	1.75
18 inches diameter, 15 inches high.....	2.00
20 inches diameter, 17 inches high.....	2.50
24 inches diameter, 20 inches high.....	2.75



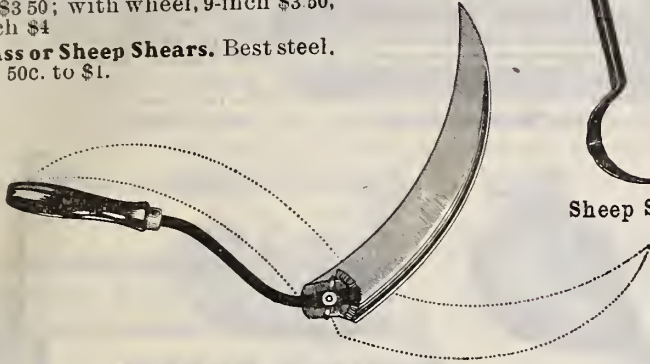
Edging Shears.

Grass Edging Shears. With long handles; for cutting the edges of borders. The best imported make. Without wheel, 9-inch blade \$3 10-inch \$3 50; with wheel, 9-inch \$3 50, 10-inch \$4

Grass or Sheep Shears. Best steel. Each 50c. to \$1.



Sheep Shears.



Crescent Grass Hook.

Crescent Grass Hook. Made from crucible steel. Blade adjustable at any angle and held securely by nut and ratchet. Price 50c. each.

Grafting Wax, Trowbridge's. Put up in 1 lb., ½ lb. and ¼ lb. packages. 25c., 15c., and 10c., respectively.

Rubber Hose. Best quality of rubber hose, in 50 foot lengths, with the Standard Coupling, which is the finest coupling on the market. Size ½-inch and ¾-inch. 8c. to 14c. per foot.

Casco Grafting Wax. A superior grafting Wax, is not too hard and not too sticky. Ninety per cent. of the scions live under this wax. Put up in ¼ lb., ½ lb. and 1 lb. packages. 10c., 15c. and 25c.



Mole Trap.

Mole Traps (Hale's Patent). This trap is warranted to be the best and most complete Mole trap ever invented and is superior to all others. Each \$2.



Budding Knife.



Pruning Knife.

Knives, Budding. Best imported steel. Each \$1 to \$1.50.

Knives, Pruning. Best imported and American makes. Each 60c. to \$1.

Plant Protectors

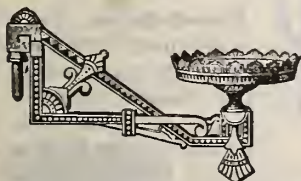
The Arlington. Protects young plants from bugs, borers and fowls, also subdues wind, rain, and light frosts. Each 15c., doz. \$1.50.

Pruning Saws. For cutting heavy limbs of trees. Long, narrow blade, with teeth on each edge. 75c.



Pruning Saw.

Brackets. For flower pots. Can be attached to any wood work. Splendid for pots or hanging plants. For 1, 2, or 3 pots. 25c. to 60c.



Flower Pot Bracket.

Wire Plant Stands

Desirable for either window use or conservatory. They are well made and beautifully finished in green, mounted on porcelain castors and finished in gold bronze. Very ornamental; can be folded flat when not in use. Each

- No. 22—1 tray, 10 x 24 inches \$1 00
- No. 20—2 trays, 7½ x 30 inches..... 2 25
- No. 20—3 trays, 7½ x 30 inches..... 3 00



Wardian Stand



Wire Plant Stand No. 22.



Wire Plant Stand No 20

Wardian Plant Stands. The Wardian Box is made of galvanized iron, painted green. Has drainage complete. No 30. Tray 24 x 10 inches, 5 inches deep..... \$3.50

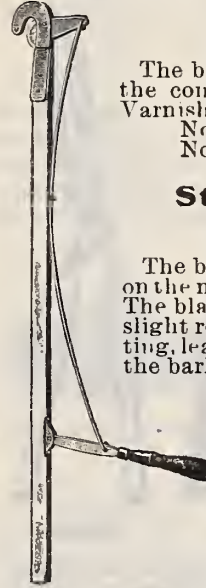
Hardwood Plant Stands

The best of brown ash is used in the construction of the e stands. Varnished on the natural wood.

- No. 1. 3 shelves, \$1.25.
- No. 2. 4 shelves, 1.50.

Standard Tree Pruner

The best and most practical tool on the market for pruning tall trees. The blade being thin, it offers very slight resistance to the wood in cutting, leaves the grain uninjured and the bark smooth after cutting



Tree Pruner.

- | | | |
|--------------------|--------|---------------------------|
| | Each | Each |
| Length 4 feet..... | \$0.75 | Length 10 feet.... \$1.25 |
| Length 6 feet..... | .80 | Length 12 feet.... 1.35 |
| Length 8 feet..... | 1.10 | Extra blades..... .25 |

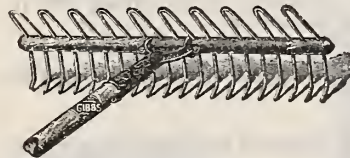


Wood Plant Stand.

Rakes

Gibbs' Lawn Rake. A steel, reversible and heavily tinned rake. The strongest, lightest and finest looking rake ever made. No opening in front or back of head in which to collect dirt.

Note the shape of the teeth. They run smooth and will not dig into the sod. 21-inch head, 24 teeth, with handle, 40c.



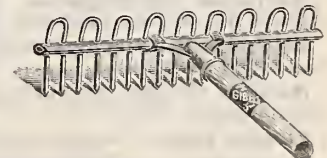
"Ohio-Girl" Lawn Rake.



Gibbs' Lawn Rake.

"Ohio-Girl" Lawn Rake. The teeth being bent at the ends makes the rake run smooth and prevents the points from tearing the sod. By reversing, the double teeth are used for leaves and rubbish. Head and handle of selected ash. Socket of malleable iron, designed for strength.

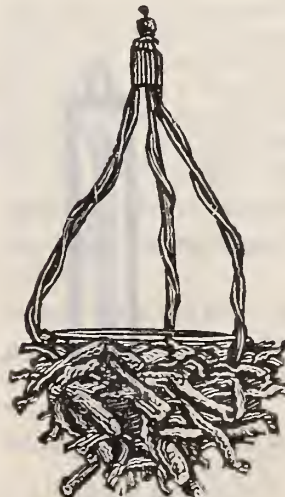
"Boss" Garden Rake. The double teeth are used for breaking clods; will pulverize the ground finer and more quickly. Can also be used on lawns, around stables and on gravel walks or drives.



"Boss" Garden Rake.

Gem Lawn Rake. One of the best rakes for cleaning lawns. It is strongly made, light, durable and easily operated. 40c.

Rustic Hanging Baskets. Very strongly and artistically made of natural roots and knots, cleaned, trimmed and varnished. Diameters 8, 9, 10, 11 and 12 inches. Each 90c. to \$1.35.



Rustic Hanging Basket.

Raffia. For tying plants; exceedingly strong and soft. Lb. 25c.

Berry Baskets

Our berry baskets are all manufactured of white wood and have tight corners and hence can be used for blueberries. They are put up in 1,000 lots in a good, strong crate. We have both the quarts and oval pints. Prices on application.

Verbena Baskets

Marston's pattern, adjustable wooden handles with tin fastenings on the end. 10 inches long, 5 inches wide, 3 inches deep. Prices on application.

Shears

The Levin Pruning. Has novel and excellent features; very light and strong. Each 50c. and 75c.

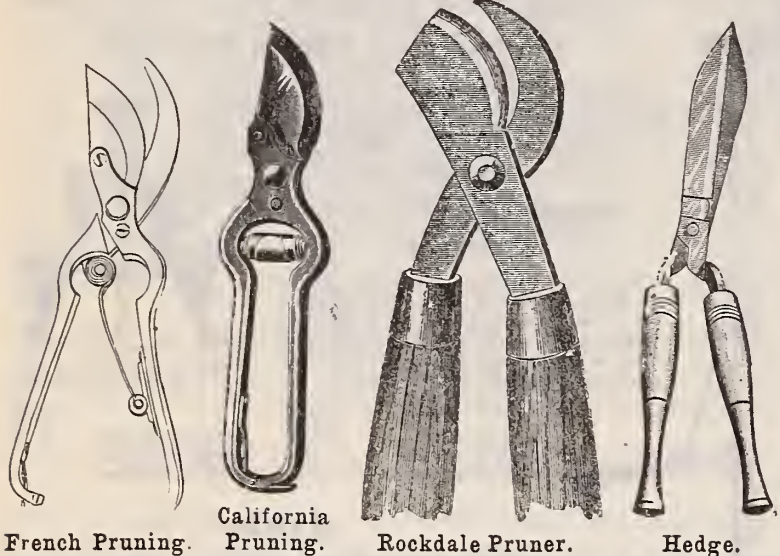


Taylor's Pruning Shears.



The Levin Pruning Shears.

Pruning, New French. This is the best pruner ever offered; quality unequalled. Wherever used it has given great satisfaction. The small wheel at the movable end of the spring reduces the friction to a minimum. 8-inch \$1.50, 9-inch \$2.



French Pruning. California Pruning. Rockdale Pruner. Hedge. Hedge.

Hand Pruners. Various. We keep on hand a variety of best American makes. Each 40c to \$1. Hand-pruning shears, by mail, 10c. extra.
Taylor's Pruning. The best low-priced pruner. Each 50c., 60c. and 70c.
California Pruning. 50c.
Rockdale Pruners. For cutting large branches; very strong and of finest quality. 26 to 41 inches long, each 75c. and \$1.
Hedge. Blade 8 inches long \$1.25, 9 inches \$1.35, 10 inches \$1.75.
Hedge, with Notch. For heavier wood. Blade 8 inches long \$1.55, 9 inches \$1.75, 10 inches \$2.
Border. See Grass Edging Shears.
Silkalene. Extensively used for tying bouquet work and for stringing Simlax. Spool, each 25c.

Thermometers

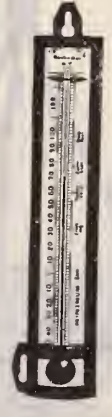
Hotbed or Plunging. In turned wood case with brass pointed bottom; metal or paper scale. Each \$1 and \$2.
Maximum and Minimum. Heat and cold self-registering thermometer in black Japanned case. \$3.
Minimum Registering. For florists' and gardeners' use. 8-inch tin case. 60c.
Medium Grade. Six-inch Japanned white case. Black scale, with white figures, 30c.
Flange, Dairy. Seven-inch case, with sliding guard. 15c.
Incubating. See Poultry Supply Department.



Maximum and Minimum.



Plunging or Hotbed.



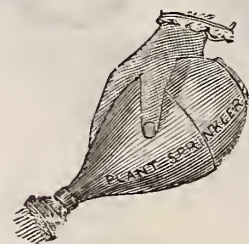
Minimum Registering.

Improved Wire Window Shelf for Plants



Wire Window Shelf.

With adjustable Steel Brackets, complete. Strong compact and low in price. Can be applied to any window moulding on flat part of same. Brackets are constructed so as to allow for certain between window and plants. Shelves 7½ in. wide. 30-inch Shelf with Brackets complete, 75c.; 36-inch, 90c.; 42-inch, \$1. Additional lengths of shelves made to order. For every foot or less, add 25c. to above price. Back of brackets ½ inch, so they can be fastened to the narrowest mouldings.



Plant Sprinkler.



Scollay's Rubber Plant Sprinkler

Made of rubber, with flat bottom and finely perforated, detachable brass top. Very useful in bouquet making and window gardening, for sprinkling and for all purposes where a fine spray is required. No. 1, hold about a pint, \$1. No. 4, hold about ½-pint, 50c. Angle Neck, 75c.
Insect Powder Bulb. A very useful device for applying any kind of insect powder to plants, etc. Will be found useful for house plants and to housekeepers generally. Each \$1.20. By mail 10c. extra.



Watering Pots



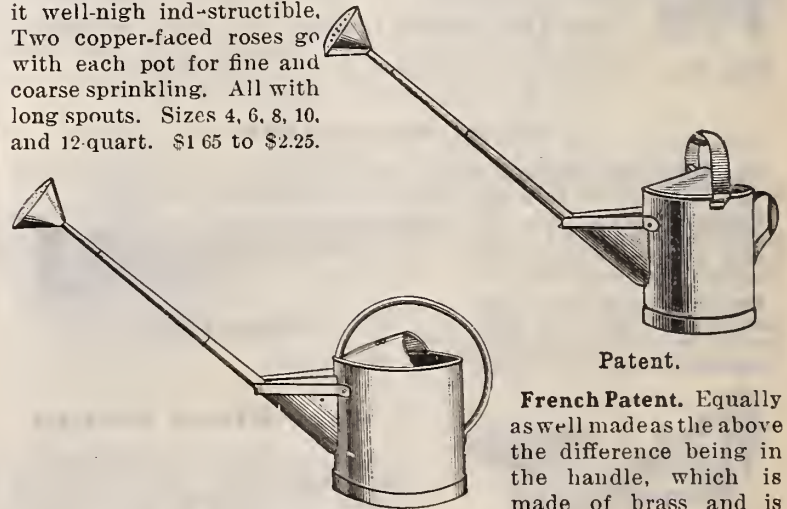
Green Japanned.

Green Japanned, with removable sprinkler.

	Each
1-quart.....	\$0 15
2-quart.....	.25
4-quart.....	.30
6-quart.....	.40
8-quart.....	.50
10-quart.....	.60
12-quart.....	.65
16-quart.....	.90

Galvanized Watering Pots. 4-qts. 40c., 6-qts. 50c., 8-qts. 60c., 10-qts. 65c., 12-qts. 75c., 16-qts. 85c., 20-qts. \$1.25.

Patent. Made from the best quality iron and heavily galvanized. The handles are riveted on and a heavy iron band on bottom makes it well-nigh ind-structible. Two copper-faced roses go with each pot for fine and coarse sprinkling. All with long spouts. Sizes 4, 6, 8, 10, and 12-quart. \$1.65 to \$2.25.



French Patent.

Patent.

French Patent. Equally as well made as the above the difference being in the handle, which is made of brass and is riveted on the back and on the front of the can.

The sides are somewhat flattened, making it better for carrying. 6-qts. \$1.75, 8-qts. \$2, 10-qts. \$2.25, 12-qts. \$2.50.

Low Watering Pots. Handy for watering plants on shelves, etc. \$1.35.

Parlor Watering Pots. These are nicely gotten up for parlor use. Made with long spouts, strong handle on side, bowl on top, and in six colors, red, green, blue, yellow, pink and oak. 1 qt. 25c., 2 qts. 35c., 3 qts. 45c.

Active Weeders. Improved design with wide spread of fingers to give large capacity; heavily tinned; refined malleable iron, enameled handle. 10c. By mail, 15c.



Weeder.



Trowels

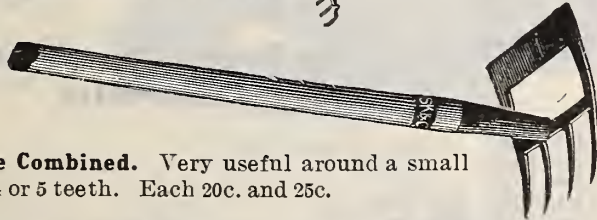
Standard Garden. All steel, best quality. 6-inch 40c., 7-inch 50c.
Primrose. Blade riveted through the handle; two sizes. 15c. and 20c.



Garden Tool Set.

Garden Tool Sets. Suitable for ladies' use. Made of the best quality steel. Very durable.

Ladies' Spading Fork. Handy, made of best stock.



Rake and Hoe Combined. Very useful around a small garden. With 4 or 5 teeth. Each 20c. and 25c.



Tree Scraper. Made of steel. 50c.



Cemetery Vase.

Terra Cotta Garden Vases. Our Terra Cotta Garden Vases now stand in the front rank for beauty and workmanship. Terra Cotta Vases are indestructible, and are suitable for any climate; being slightly porous, they hold moisture for the want of plants. Iron draws the heat of the sun, consequently keeping the vase hot and drawing the earth. Our vases are nearly all made of one piece, while others are in two, requiring an iron rod in the center. We warrant every vase. Send for illustrated price-list.

Iron Cemetery Bouquet Holders. Made with long spikes for plunging in the earth. Will hold water for cut-flowers. From 20c. to \$2.25 each.

Indurated Fiber Flower Pot Saucers.

The moisture cannot soak through them.

5 inches	Each, \$0.06	Doz., \$0.65
6 "	" .08	" .85
7 "	" .09	" .90
8 "	" .10	" 1.00
9 "	" .11	" 1.10
10 inches	Each, \$0.12	Doz., \$1.20
12 "	" .15	" 1.40
13 inches	" .18	" 1.50
14 "	" .20	" 1.80

Pansy Pans. 8-inch, doz. \$4; 10-inch, doz. \$5.
Grass Pots. Very ornamental when kept filled with water and grass seed sown on the outside. 25c.

Rolling Stands for Heavy Plants

12 inches	Each, \$0.60
13 "	" .65
14 "	" .75
16 "	" .85
18 "	" 1.00
20 "	" 1.25
22 "	" 1.50



Rolling Stand.

Round Seed Pans



Seed Pan.

	Each	Doz.
6 inches	\$0.07	\$0.72
7 "	" .08	" .85
8 "	" .10	" .96
9 "	" .13	" 1.35
10 "	" .15	" 1.60
12 "	" .20	" 2.15

Flower Pots and Saucers

	—Doz.—	Pots	Saucers
2 -inch	\$0.10	\$0.10	
2½ "	.12	.12	
3 "	.15	.12	
3½ "	.20	.15	
	4-inch	.25	.18
	5 "	.40	.24
	6 "	.60	.32
	7 "	.90	.45
	8 "	1.25	.60
	9 "	1.75	.75
	10 "	3.00	.95
	11 "	3.50	1.10
	12 "	5.00	1.35



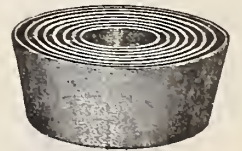
Flower Pot.

Fern Pans

Something new in Fern Pans and Saucers. These pans are made thin and strong and the saucers very shallow. They are very popular, and are made in eight sizes, sold with or without saucers. The pans are especially adapted for linings to porcelain and silver fern pans. Dimensions given are outside measurements.



Fern Pan Saucers.



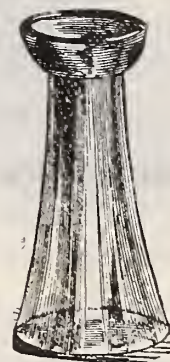
Fern Pans.

	Pans	Saucers		
	Each	Doz.	Each	Doz.
4 x 1½ inches	\$0.03	\$0.35	\$0.02	\$0.20
4¾ x 2½ "	.04	.45	.03	.30
5½ x 2½ "	.05	.55	.04	.40
6¼ x 2½ "	.06	.70	.05	.45
7 x 2½ "	.08	.85	.06	.50
8 x 3½ "	.12	1.25	.07	.75
9 x 3½ "	.15	1.50	.10	1.00
10 x 4 "	.20	1.70	.12	1.25



Hanging Pot.

Hanging Pots. in many sizes and styles. From 15c. to 75c. each.



Hyacinth Glass.



Jardiniere.

Jardinieres. We carry a large variety of these goods, both imported and domestic manufacture. All prices.

Novelties in Bulb Pots

Interesting and beautiful effects for the window garden may be had by growing Crocus, Lily-of-the-Valley and Roman Hyacinths in ornamental pots, pierced with holes out of which the leaves and flowers grow. The bulbs are placed inside, with the crown in the holes; soil is then filled in compactly, which holds the bulbs in place; soak thoroughly with water and place in a dark, cool place for a few weeks to allow the bulbs to root thoroughly.

Bulb Pots. Especially adapted for the cultivation of Hyacinths.

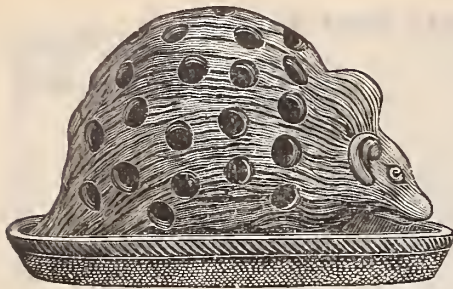
Lily-of-the-Valley Pots. When filled and growing, \$1.25 each, pot alone, 50c.

Roman Hyacinth Pots. Requires twenty bulbs. 60c. each, filled, \$1.50.

Hyacinth Glasses. We have a large line of both double and single Hyacinth Glasses in blue, amber, green, violet and white. 20c. to 25c. each.

Square Open Earthen Orchid Pots. In four sizes:

	Each
4 x 4 inches	\$0.15
5 x 5 "	.20
6 x 6 "	.25
7 x 7 "	.30



Hedgehog Crocus Pot.

Grass Pots. Very ornamental when kept filled with water and grass seed sown on the outside. 30c. each.

Hedgehog Crocus Pots. 60c. each, filled, 85c.

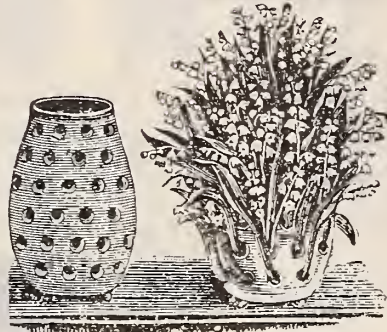
Pansy Pans. 8 inches, per doz., \$4; 10 inches, \$5.



Grass Pot.

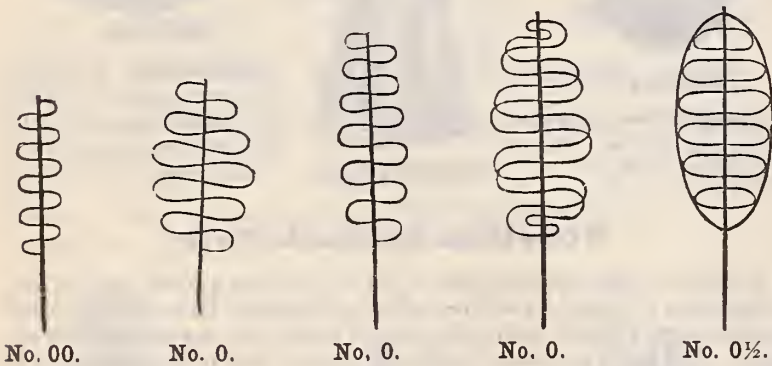


Roman Hyacinth Pot.



Lily-of-the-Valley Pot.

Pot, Plant, Garden & Veranda Trellises

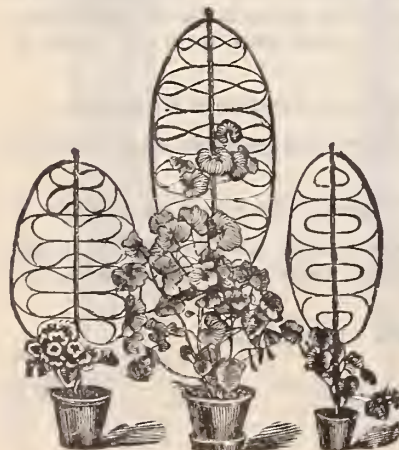


No. 00. No. 0. No. 0. No. 0. No. 0 1/2.

No. 00. 18-inch stick, 3 1/2 inches wide	Each	Doz.
	\$.05	\$0.50
No. 00. Wide. 20-inch stick, 8 inches wide, .....	.10	1.00
No. 0. 24-inch stick, 5 inches wide.....	.10	1.00
No. 0. Wide. 24-inch stick, 8 inches wide, .....	.12	1.25
No. 0 1/2. 24-inch stick, 7 1/2 inches wide .....	.20	2.00

Bow Trellis

No. 1. 30-inch stick, 10 inches wide	Each	Doz.
	\$0.25	\$2.50
No. 2. 30-inch stick, 14 inches wide.....	.40	4.00
No. 3. 36-inch stick, 12 inches wide.....	.50	4.50



Fan Trellis

	Each	Doz.
18-inch fan, 7 inches wide at top	\$0.10	\$1.00
24-inch fan, 10 inches wide at top .....	.15	1.50
30-inch fan, 13 inches wide at top.....	.20	2.00
3-foot fan, 16 inches wide at top.....	.40	4 50
4-foot fan, 27 inches wide at top .....	.60	6.50
5-foot fan, 32 inches wide at top.....	.75	9.00



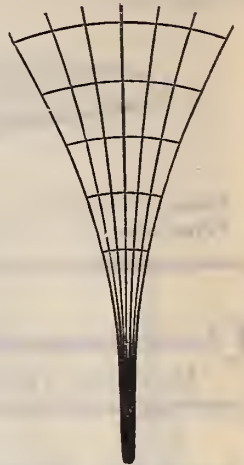
Veranda Trellis.

Ivy Trellis

	Each	Doz.
16-inch diameter....	\$0.45	\$5.00
20-inch diameter....	.60	7 00



Ivy Trellis.



Fan Trellis.

Veranda Trellis

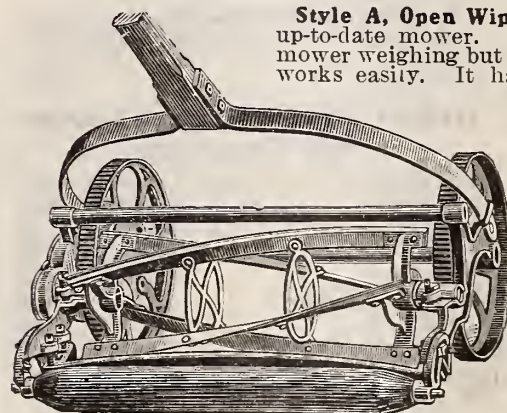
	Each	Doz.
2 feet high.....	\$0.35	\$ 4.00
3 feet high.....	.45	5.00
4 feet high .....	.55	6 00
5 feet high, 18 inches wide.....	.80	9.00
6 feet high, 18 inches wide.....	1 00	11 00
7 feet high, 18 inches wide.....	1.10	13 00
8 feet high, 18 inches wide.....	1.30	15.00
9 feet high, 20 inches wide.....	1.60	18 00
10 feet high, 20 inches wide.....	1 85	21 00
11 feet high, 24 inches wide.....	2.15	25 00
12 feet high, 24 inches wide.....	2 50	28.00

Pot and Tree Labels

	Plain		Painted	
	Per 100	Per 1000	Per 100	Per 1000
3 1/2-inch wood pot label.....	\$.10	\$0.40	\$0.10	\$0 60
4-inch wood pot label.....	.10	.40	.10	.65
4 1/2-inch wood pot label.....	.10	.50	.10	.70
5-inch wood pot label.....	.10	.60	.10	.85
6-inch wood pot label.....	.15	.85	.15	1 00
8-inch wood garden label.....	.40	3.50	.40	4 50

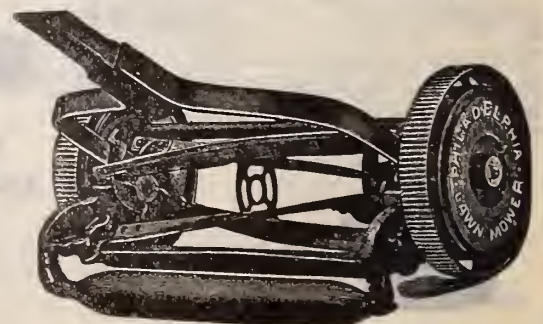
Philadelphia Lawn Mower

Style A, Open Wiper. A strictly first-class up-to-date mower. It is all steel, a 21-inch mower weighing but 47 pounds, so light that it works easily. It has train of three gears and with its double ratchet both wheels are drivers. It runs smoothly and gives the finest cut, which, combined with its great durability, no one should make complaint of the first cost in price, if they wish the best machine on the list. 15-inch \$12, 17-inch \$13, 19-inch \$14, 21-inch \$15.50.

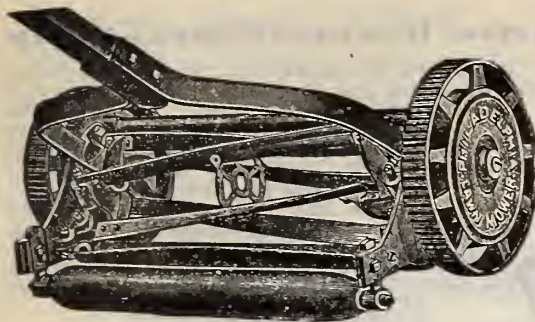


Style A Mower.

Style C, Open Wiper. This style, medium high wheel, is to supply the demand for a mower which has real merits and is light running and durable and easy to handle. Four blades, 8 1/4-inch wheel, 14-inch cut, weight 36 pounds, \$5 75; 16-inch cut, weight 40 pounds, \$6 50; 18-inch cut, weight 42 pounds, \$7.50.



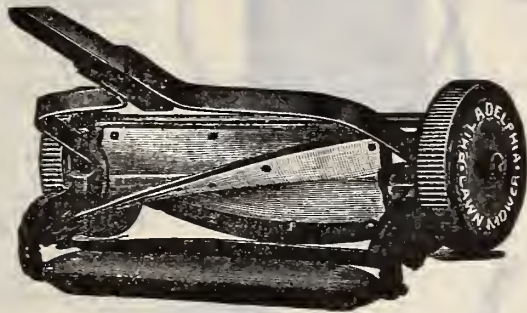
Style C Mower.



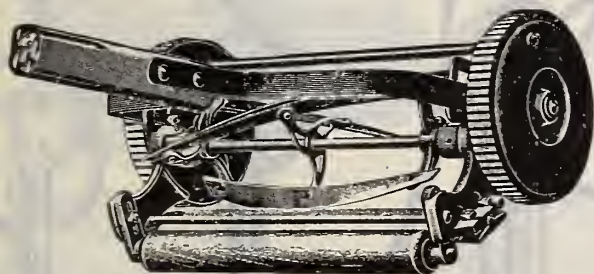
Style K Mower.

\$7; 16-inch cut, weight 48 pounds, \$8; 18-inch cut, weight 51 pounds, \$9; 20-inch cut, weight 54 pounds, \$10.

Style M, Closed Wiper. This is the original Philadelphia 1870 pattern mower, adapted for rough as well as smooth land. Standard the world over. 14-inch cut, weight 36 pounds, \$5.50; 16-inch cut, weight 38 pounds, \$6.50; 18-inch cut, weight 44 pounds, \$7.50.



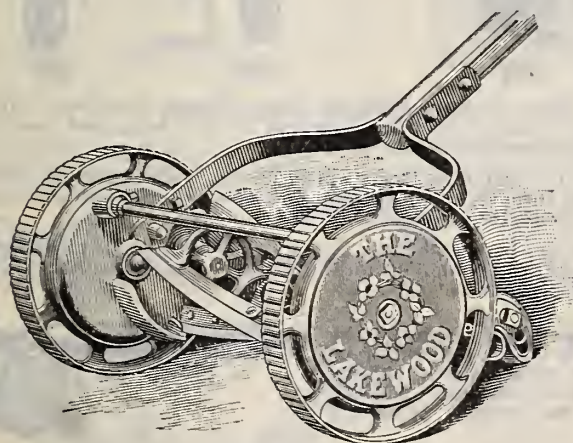
Style M Mower.



Casco Lawn Mower.

Casco Lawn Mower

To people wishing a low-priced, strongly built, durable and easy-running lawn mower, we recommend the Casco. 8-inch wheel, 12-inch cut \$3.25, 14-inch cut \$3.25, 16-inch cut \$3.25, 18-inch cut \$3.50.



Lakewood Mower.

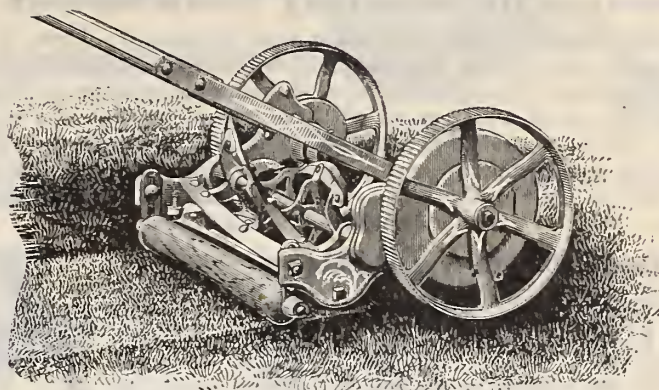
Coldwell's Ball-Bearing Lawn Mower

Ball-bearing Lawn Mowers have not been a general success, for the reason that the bearings wear out faster than other bearings and the adjustments are too intricate for the average user of a lawn mower. Were it not that we have invented a ball-bearing which effectually overcomes both of these objections, we should not at this time offer to the public a mower of this kind. The cups, cones and balls used in this mower are turned down from tool steel and are tempered to a degree of hardness that insures durability. We guarantee to do a greater variety of work and do it easier than any other ball-bearing mower now on the market. 14-inch \$6, 16-inch \$6.50, 18-inch \$7.

Style D, Closed Wiper. 7-inch wheel, 10-inch cut, weight 36 pounds, \$4.25; 12-inch cut, weight 28 pounds, \$5.25

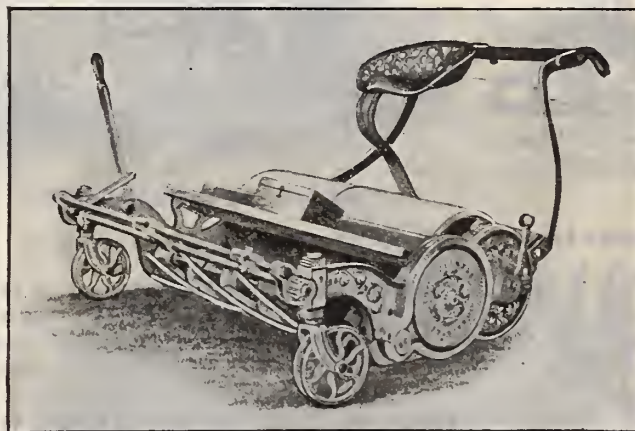
Style K, Open Wiper. A strictly first-class mower. The greater diameter of the cylinder insures fine cut and with its large driving wheels it is the lightest running, best single-pinion mower made. 5 blades, 10-inch wheel, 14-inch cut, weight 45 pounds,

The Coldwell Lawn Mower



The Park Mower

Is made with a long reach and triple gears to enable it to cut high and for long grass on even surfaces; it will work equally as well on a velvety and smooth lawn. This mower has the Coldwell patent indestructible ratchet. In lawn mowers, as a rule, the ratchet is the weakest part, it having to do the most work. It also has a patent terrace-mowing device and adjustable brass bushings in journals, by means of which, with the aid of a set-screw, all the wear can be taken up. It has the simplest adjustment of the knife that is made. We wish to state that the finish and quality of work which this mower will do cannot be beaten. 14-inch \$8, 16-inch \$9, 18-inch \$10, 20-inch \$11.



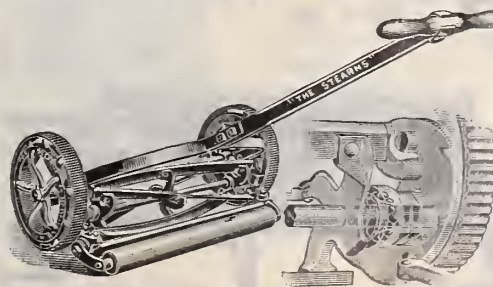
Coldwell's Improved Horse Mower.

Coldwell's Improved Horse Mower

Coldwell's Improved Horse Mowers are fitted up throughout with the best of steel shafting, composition bushings or bearings, polished oak footboards, Loring Coe's knives, etc., and the workmanship is acknowledged by the trade in general to be the best of any lawn mower made in America. These mowers have been adopted for use by the United States Government and by the New York City Park Board after competitive exhibitions of work done and durability. Each and every one of the machines is guaranteed to give entire satisfaction to the purchaser.

Coldwell's Roller Mower

This Roller Mower we recommend for exceptionally fine work and newly made lawns, as it will not only roll down and smooth a new lawn, but it will protect it against the upheavals caused by dampness, insects, etc. Used on all the leading golf grounds in America.



Stearns Lawn Mower.

Stearns Ball-Bearing Lawn Mower

The advantages of ball-bearing are well understood. There is the same reason for their use on a lawn mower that there is on a bicycle, to make it run easy. On its accurate ball-bearing the cylinder of Stearns Mower revolves at a high speed with the free movement of a bicycle wheel. While it runs so much easier and with less noise than other mowers, it cuts faster, cleaner, more evenly, does not push the grass before it, but cuts every spear, leaving the surface of the lawn perfectly smooth. 14-inch \$7, 16-inch \$8, 18-inch \$9, 20-inch \$10.

Garden & Lawn Rollers

Sec.	Length	Diam.	Weight	Price
2.....	7½ in.....	12 in.....	125 lbs.....	\$ 6.00
3.....	7½ in.....	15 in.....	175 lbs.....	7.50
1.....	12 in.....	20 in.....	150 lbs.....	9.50
2.....	12 in.....	20 in.....	300 lbs.....	12.25

Lawn Sprinklers

The Mystic Lawn Fountain. Patented August 6, 1895. The strongest, neatest and best sprinkler made. Throws either whole or half circle by simply turning thumb-piece. 75c.

The New "Rain-maker" Lawn Sprinkler. No revolving parts. 50c.



"Rainmaker" Lawn Sprinkler.



Garden and Lawn Roller.

California Lawn Sprinkler. Three-arm revolving sprinkler. \$1.25.



Tree Guard.

Twin Comet. The three upper arms revolve rapidly and carry around a slowly revolving nozzle, which sprinkles the ground for a great distance. Nickel-plated, very durable. Height 17 inches. \$5.

The Hartman Steel Picket Tree Guard

No harbor for vermin. Light and graceful. Easily applied. Indestructible. Made in graceful design, entirely of steel wire, and cannot be broken. The spiral wire coils for attaching this guard to the tree are absolutely elastic, and freely expand with the growth of the trunk, preventing any friction or chafing of the tree. 5½ feet high. \$1.50.

Stevens Fertilizer Distributor

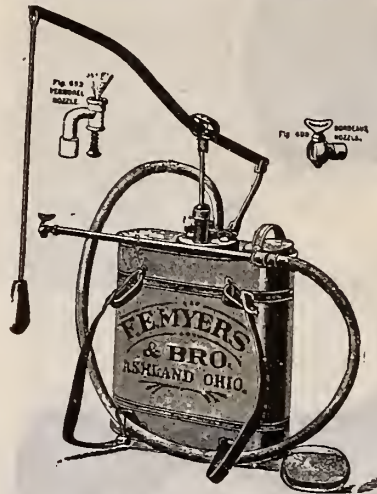
Beautiful lawns can only be obtained by an even distribution of fertilizer. Stevens does the work perfectly, sowing all kinds of lawn dressing and other commercial fertilizers. It can also be successfully used for fertilizing garden and strawberry beds. It can also be used for sanding sidewalks. \$12.



Stevens Fertilizer Distributor.

The Myers Perfect Knapsack Spray Pump

No. 330. The Myers Galvanized Knapsack Spray Pump fitted with 5 feet of ½-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. \$5.50. Any other nozzle furnished with these pumps when ordered.



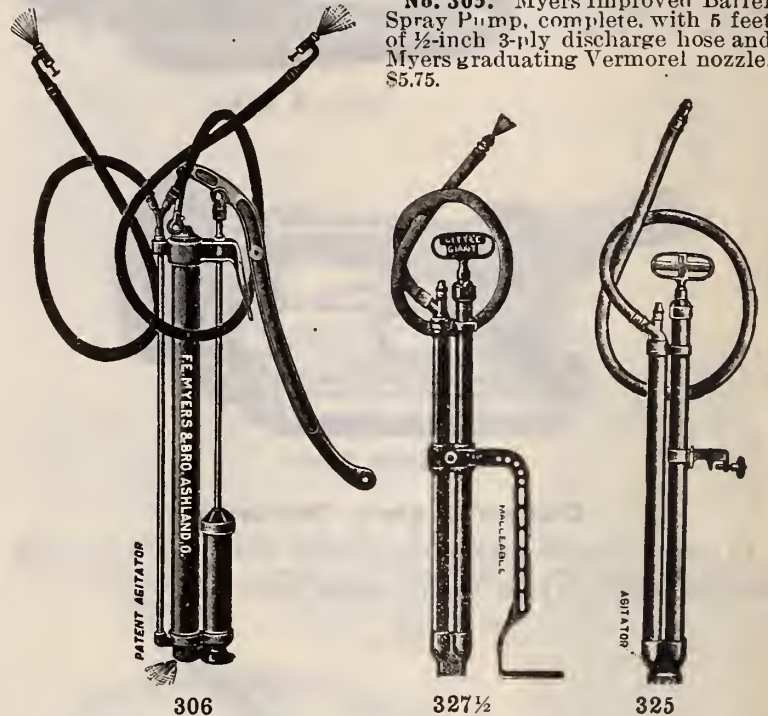
Myers Perfect Knapsack Spray Pump.

No. 331. Myers Perfect Knapsack Spray Pump, complete, with hose, stop-cock, pipe extension, Bordeaux or graduating Vermorel nozzle. Made with copper tank, \$8.25. 8-foot pipe extension, 30c.

Myers Spraying Pumps

These Spray Pumps are 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. They are 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 proper position.

No. 305. Myers Improved Barrel Spray Pump, complete, with 5 feet of ½-inch 3-ply discharge hose and Myers graduating Vermorel nozzle. \$5.75.



No. 306. Myers Improved Barrel Spray Pump, complete, with two leads of ½-inch 3-ply discharge hose, each 5 feet long, and two Myers graduating Vermorel nozzles. \$6.50.

No. 327½. Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine, coarse spray and solid stream nozzle, with malleable foot-rest. \$2.50.

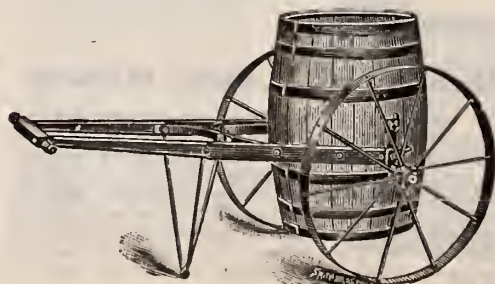
No. 325. Myers Imperial Brass Spray Pump, complete, with agitator, with hose and graduating Vermorel fine, coarse spray and solid stream nozzle and malleable foot-rest. \$3.

Cyclone Spraying Pump. For spraying Paris Green and other insecticides on potato vines, shrubs, small trees, live stock and poultry. Made of tin, 50c.; copper, \$1.00.



Water Barrel Cart

Used for street sweepings, lawn, rubbish, for carrying water and for innumerable other purposes; a very useful cart in many ways. \$10.



Water Barrel Cart.

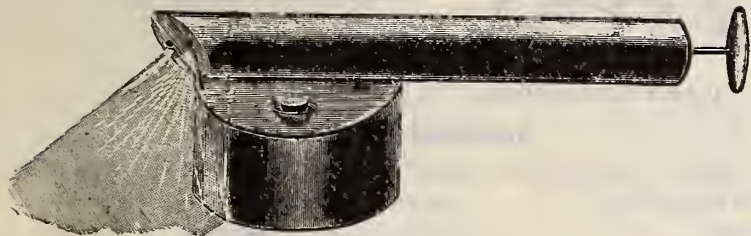
We make a Specialty of Sharpening Lawn Mowers.

Oils

United States Separator. 40c. per gal.
Harvester. 40c. per gal.
Fly Oils. We are agents for several brands. 1-gal. cans, 65c.

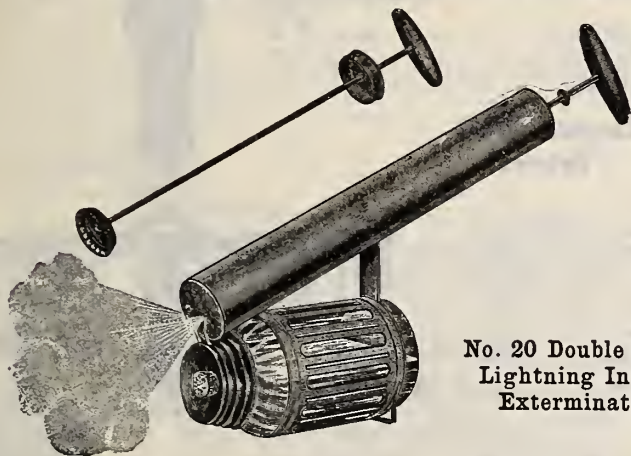
Oilers

Litho. Bent spout, 10c.; straight spout, 10.
Buckeye. No. 601, steel-coppered, 25c.; No. 13, 25c.; No. 137, 25c.
Sewing Machine. No. 1, fine, 10c.



No. 10.

No. 2. This Sprayer is exactly the same style as No.10, but is all tin. 50c.



No. 20 Double Tube Lightning Insect Exterminator.

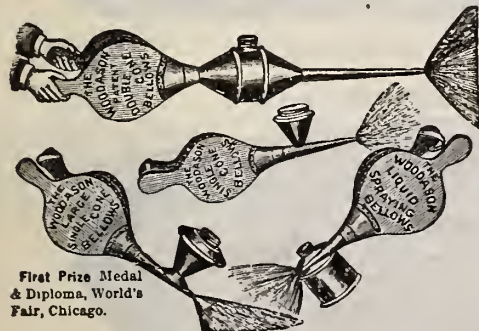
Leggett's Champion Dry Powder Gun

For distributing dry insecticides and fungicides. Will green two rows of potatoes at once, as fast as a man walks. Adjustable to any width of row. Many thousands in use. Distributes green. London Purple, hellebore, sulphur, lime, "fungiroid," tobacco dust, etc. Will do as much work in a day as a horse-power sprayer. For the farm, orchard, vineyard and garden. The length of the Champion is such that the poison is kept at a safe distance from the operator. \$7 50.



Bellows, Woodason's

For Liquid and Powder. These are really high-grade goods that will with proper care last for many years and do satisfactory work. Each



First Prize Medal & Diploma, World's Fair, Chicago.

- Small single cone for applying powder . . \$1.25
- Large single cone for applying powder . . . 2.25
- Double cone for applying powder 3 25
- Sulphur bellows 1.75
- Large liquid spraying 2 25
- Medium liquid spraying 1 75
- Small liquid spraying 1 25

Little Giant Duster

For Farm, Garden, Vineyard, Tobacco Fields, Etc.

Distributes Paris Green, London Purple, Hellebore, Sulphur, "Fungiroid" (the Dry Bordeaux Mixture), Paris Green and Fungiroid Compound, Spanish Pink, Pyrethrum Powder, etc. Weighs on 5 pounds complete. Full length with tubes, 4 feet 8 inches. Any one can use it. Will not get out of order or clog, and with good usage will last for years. \$5.



Acme Powder Gun

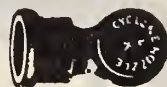
Useful for distributing all kinds of powder for killing insects on crops. 75c.

Nozzles



Bordeaux Spray and Solid Stream Nozzle. Use this nozzle for whitewashing. Will throw a fine fan-shaped spray and will readily free itself should it become clogged by turning the cock handle. It will throw a solid stream or may be shut off altogether, as desired. It is especially recommended for use in connection with the Bordeaux Mixture and all Knapsack Sprayers. 80c.

Cyclone Nozzle. Are so arranged that the disc or cap as shown can be unscrewed and cleaned out at any time. They are fitted to attach 1/4-inch pipe or 1/2-inch male end, and can be used with any of our pipe extensions. The spray opening is at the side or straight away. 75c.



Imperial Spray Nozzle. An improved Spray Nozzle which will throw a mist-like spray. This nozzle is improved over the regular Myers' nozzle, as follows: The nozzle can be cleaned by simply removing the cap. 45c.



Improved Vermorel Nozzle with Degorger. Arranged with stuffing box, so that the liquid will not wet the operator while being used; fitted for 1/2-inch male end or 1/4-inch pipe. Each nozzle is furnished with two caps, with different sized openings for coarse or fine spray. 85c.



Notice. We recommend using our 8-foot extension pipe with all spraying pumps in the spraying of trees.

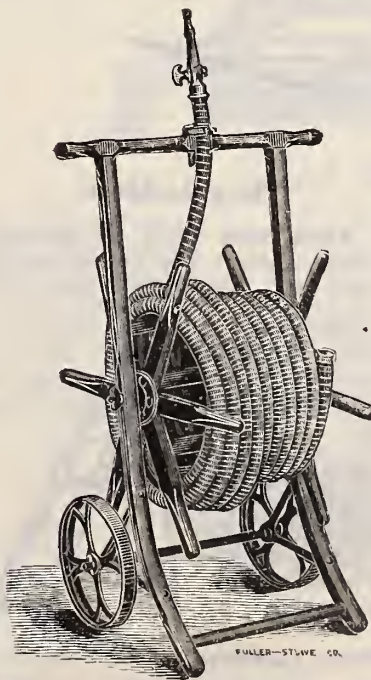


Rubber Garden Hose

- 1/2-inch Bolivian Hose Per foot
- 3/4-inch Bolivian Hose
- 1/2-inch Motor Hose
- 3/4-inch Motor Hose

The above hose is made from pure gum rubber and is the best hose for market gardeners, florists and private residences. Put up in either 25- or 50-foot lengths.

- Gem Hose Nozzles \$0.50
- Couplings10
- Hose Clamps05
- Hose Mender Tubes05



Hose Reels

We show a complete line.
Buckeye. Hard-wood oil finish, holds 150 feet 3/4-inch hose. Price 75c.

Daisy. Hard-wood, striped. Price \$1 00.

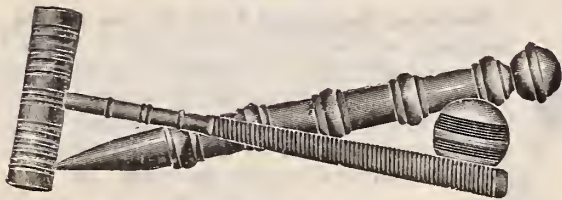
Wolverine. Painted vermilion and varnished, holds 250 feet 3/4-inch hose. Price \$2.00.

Garden Hose Reels.



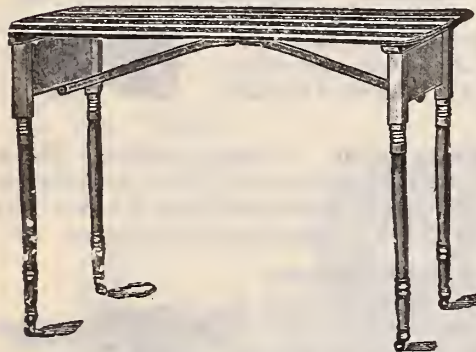
Lawn Settees

Nicely painted and varnished; can be folded up. Both green and red. 75c. each.



Croquet Sets

Prices ranging from 75c. to \$3.



Folding Work Tables

With yard stick and castors.

Each
No. 000, 36 x 19 in.... \$1.00
No. 00, 36 x 19 in..... 1.25

Nos. 000 and 00 Folding Work Table.



Nos. 20 and 22 Folding Work Tables.

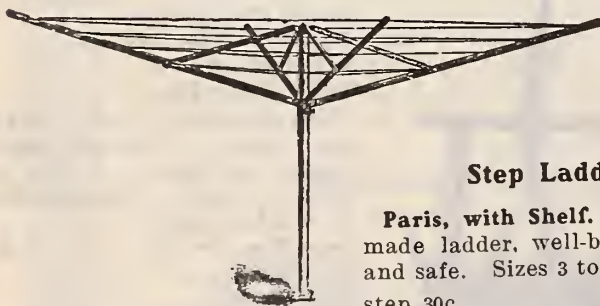
Folding Work Tables

This style is very desirable for card playing.

Each
No. 20, 24 x 24 in..... \$1.50
No. 22, 27 x 27 in..... 1.75

Advance Clothes Dryers

Each
4-line, 110 feet..... \$2.50
5-line, 150 feet..... 2.75



Step Ladders

Paris, with Shelf. A thorough made ladder, well-braced, strong and safe. Sizes 3 to 10 feet. Per step, 30c.

Hub. Made of ash and basswood. Strongly put together with screws. Per step, 30c.

Gem. Made of clear spruce, well put together, with pail attachment. Per step, 15c.

Challenge. No pains are spared to make this the best ladder on the market. Every step is clamped and bolted in such a manner as to make a break almost impossible. The superior merits of this ladder are shown by the constantly increased demand, especially for the longer lengths. Per step, 38c.



Aetna Extension Ladders

7 feet extended to 12 feet.... \$1.40	9 feet extended to 16 feet.... \$1.90
8 feet extended to 14 feet.... 1.65	10 feet extended to 18 feet.... 2.15



Cram's Folding Clothes Horse

There are literally millions of them in use all over the world. They are so well made that one will last a lifetime.

No. 3, 40 feet drying space..... \$.65
No. 3½, 50 feet drying space..... .75
No. 4, 60 feet drying space..... .85

Cram's Clothes Horse.

Standard Clothes Horse

Made to hang on wall or stand on floor. The most convenient horse on the market.

Each..... \$.50

Kimball's Wall Dryers

Each
No. 2, 10 bars..... \$.50
No. 9, 9 bars..... .15
No. 5, 5 bars..... .10



CLOSED

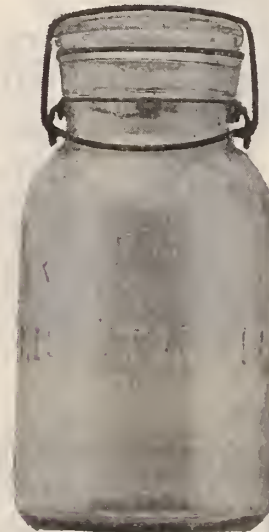
Empire Wall Dryers

Each
10 bars, made to screw to the wall, and when not in use may be closed so as to occupy but little space \$ 50



OPEN

No. 2 Empire Wall Dryers. The advantage of No. 2 is that half of the arms can be opened at a time, and it can be used in many places where No. 1 cannot be used (10 arms). 50c.



Lightning Jar.

Fruit Jars

We are large handlers of Fruit Jars, buying them by the car load direct from the manufacturer. 2-quart, quart and pint sizes in Lightning and Mason. One-half and one-third pint Jelly Tumblers. Write for special prices.



Packed one dozen in nice pasteboard carton, just the way for dealers to handle them. Rings for either Mason or Lightning Jars 10c. per doz.

Brooms

We wish to call special attention to our line of high-grade brooms, of which we are justly proud, believing, as we do, that there is nothing of equal value on the market. In the Patriot line we offer the very best that money can buy, and to the most exacting housewife we would say, **ask your grocer for the Patriot.**

No. 6 Patriot, 4-sewed, varnished handle.....	Each	\$0 35
No. 7 Patriot, 5-sewed, varnished handle.....		.40
No. 6 Patriot, 4-sewed, cherry handle.....		.40
No. 7 Patriot, 5-sewed, cherry handle.....		.45
No. 6 Young Ladies, 3-sewed, varnished handle.....		.35
No. 6 Young Ladies, 3-sewed, cherry handle.....		.40
No. 6 Super Extra 3-sewed, varnished handle.....		.35
No. 7 Super Extra, 4-sewed, varnished handle.....		.40
No. 7 Pride of the Valley, 4-sewed, plain handle.....		.40
No. 6 Our Own, 4-sewed, varnished handle.....		.30
No. 7 Our Own, 5-sewed, varnished handle.....		.35

Stable Brooms

40-lb., 4-sewed, rattan filled, cherry handle.....	.50
40-lb., 4-sewed, rattan filled, green enameled handle.....	.50
40-lb., 4-sewed, rattan filled, varnished handle.....	.50
40-lb., 4-sewed, full corn, varnished handle.....	.45
40-lb., 4-sewed, full corn, green enameled handle.....	.45
40-lb., 4-sewed, full corn, cherry handle.....	.45
14-inch rattan push.....	.40
16-inch rattan push.....	.50
27-lb., Thompson's rattan track broom, has wire support for handle.....	.50
18-inch Bass push, rattan filled.....	.75
16-inch Bass push, rattan filled.....	.85
Handles are extra.....	.10
Handles, ½ patent, extra.....	.25
Handles, whole patent, extra.....	.40

Children's Brooms

No. 1, 2-sewed, extra long handle.....	.20
No. 2, 2-sewed, varnished handle.....	.15
No. 3, 1-sewed, varnished handle.....	.10

Whisk Brooms

Black enameled handle, 2-sewed, 8-inch, good quality cheap whisk.....	.10
No 1, 2-sewed, plush cap, 7-inch.....	.15
No. 0, 1-sewed, enameled handle, 6½-inch.....	.15
No 00, 1-sewed, plush cap, 6-inch.....	.15
No 480, 2-sewed, plush cap, 7-inch.....	.20
No. 14, 1-sewed, plush cap and handle, 9-inch.....	.20
No 81, 2-sewed, nickeled cap, wired handle, 7-inch.....	.20
No. 366, 1-sewed, plush cap, 7½-inch.....	.25
No. 61, 2-sewed, plush cap and handle, 7-inch.....	.25
No. 210, 1-sewed, enameled handle bonnet whisk, 4½-inch.....	.25
No. 51, Barbers, 3-sewed, plush cap, wired handle, 14½-inch.....	.25



Whisk Broom.

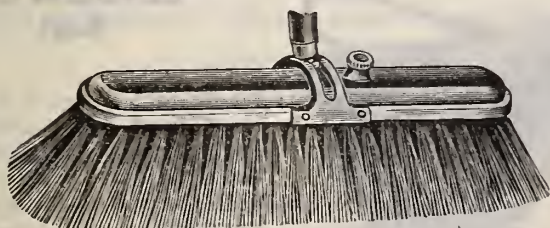
Brushes



Floor Brush.

Floor Brushes

No. 6, 14-inch block, 2½-inch black and white bristles.....	Each	\$0 75
No. 8, 14-inch block, 3-inch black and white bristles.....		1 00
No. 10, 14-inch block, 3¼ inch black and white bristles.....		1 25
No. 12, 14-inch block, 3½-inch black and white bristles.....		1.50
No. 14, 14-inch block, 3¾ inch all black bristles.....		2.00



Dustless Floor Brush.

No. 14, Household.....	Each	\$1.50
No. 16, Office.....		1.75

Counter Brushes

- No. 2, 12½ inches long, 2-in. black and white bristles. 25c.
- No. 3, 14 inches long, 2¼-in. black and white bristles. 35c.
- No. 4, 14½ in. long, 2½ in. black and white bristles. 40c.
- No. 5, 14½ inches long, 8-in. black and white bristles. 60c.



Counter Brush.

Loom Brushes

5½-inch block, 2¼-inch black bristles.....	Each	\$0.25
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Shoe Brushes



Shoe Brush.

No. 106.....	Each	\$0.20
No. 405.....		.25
No. 21.....		.35
No. 7.....		.35

Shoe Polishers

No. 18.....	Each	\$0.25
No. 2x.....		.40
No. 3.....		.50

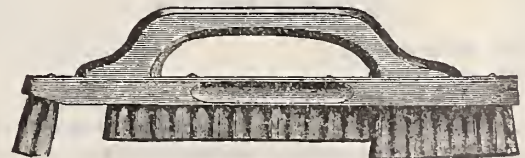
Shoe Daubers

No. 3 Parks, metal back and handle.....	Each	\$0.10
Royal, metal back and handle.....		.20
No. 31, wood back and handle.....		.10



Stove Brushes

No. 20.....	Each	\$0.15
No. 31.....		.20
No. 75.....		.25
No. 77.....		.20
No. 88.....		.30
No. 51.....		.40



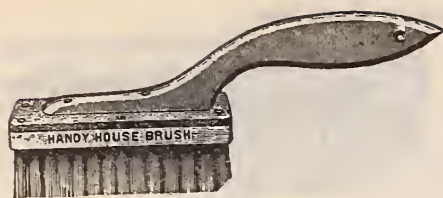
Scrub Brushes

No. 0, white Tampico.....	Each	\$0.10
No. 1, white Tampico.....		.15
No. 3, white Tampico.....		.20
No. 12, white Tampico.....		.15
No. 315 2-row rice root.....		.10
No. 77BE, 3-row rice root.....		.15
No. 1408, 5-row palmetto.....		.20
Deck Scrub, all bristles.....		.75



Ox Fibre Scrub Brushes

Hub, face size 10 x 2¾ inches.....	Each	\$0.25
Goose, face size 8¾ x 2¾ inches.....		.25
Duck, face size 6½ x 2¾ inches.....		.15



Handy House Brush.

Handy House Brushes

	Each
Handy house brush.....	\$0.08
Nail brush.....	.07
Sink brush.....	.05

Window Brushes

	Each
No. 1, drawn, all bristles.....	\$0.50
No. 2, drawn, all bristles.....	.65
No. 3, drawn, all bristles.....	.75
No. 50, drawn, horsehair.....	.50
No. 60, drawn, horsehair.....	.60
No. 1, set, all bristles.....	.25
No. 2, set, all bristles.....	.35
No. 3, set, all bristles.....	.45



Window Brush.

Radiator Brushes

	Each
No. 3, 12 inches.....	\$0.25
No. 4, 24 inches.....	.30
No. 5, 36 inches.....	.40

Hearth Brushes

All colors.....	1.00
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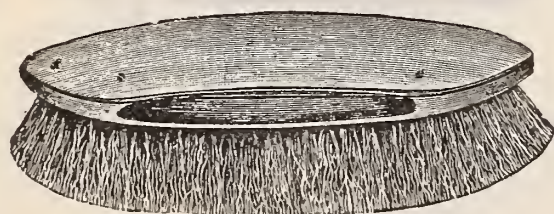
Stair Brushes

Same style as a counter brush, with extra long and heavy bristles, .50

Cotton Wall Brushes

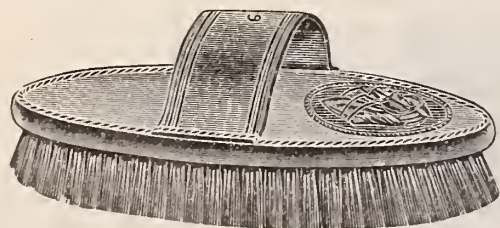
They are used for hard-wood floors, also for ceilings or walls. They can be washed out and when dried are as good as new.

	Each
12-inch.....	\$0.75
14-inch.....	1.00



Dandy Brushes

	Each
No. 0, 1½-inch, palmetto.....	\$0.20
No. 1, 1½-inch, rice root.....	.25
No. 498B, 1½-inch, palmetto, leather flaps, polished block.....	.50
No. 498L, 1½-inch, rice root, leather flaps, polished block.....	.45
No. 2250, 1½-inch, rice root, 2 piece, polished block.....	.30
French, 1½-inch, rice root, extra fine stock.....	.35
Pug, ox fiber, square block.....	.30



Horse Brushes.

Piano Dusters

No. 20.....	\$1.60	No. 24.....	\$2.00
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Wool Dusters

	Each		Each
No. 000, 7-inch.....	\$0.10	No. 2, 9½-inch.....	\$0.50
No. 00, 7½-inch.....	.15	No. 4, 10-inch.....	.60
No. 0, 8-inch.....	.30	No. 6, 11-inch.....	.75

Ostrich Dusters

	Each
6-inch.....	\$0.20
7-inch.....	.25
8-inch.....	.30
9-inch.....	.35
10-inch.....	.60
11-inch.....	.65
12-inch.....	.85
13-inch.....	.95
14-inch.....	1.25
16-inch.....	1.35

Extra Quality Bell Ostrich Dusters

	Each
10-inch.....	\$1.00
12-inch.....	1.25
14-inch.....	2.00
16-inch.....	2.25
18-inch.....	2.50
24-inch, parlor.....	2.75
24-inch, super extra.....	3.75

Extra Handles

	Each
4 feet.....	\$0.25
6 feet.....	.40
8 feet.....	.50

Ostrich Picture Dusters

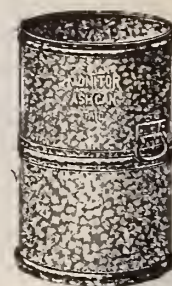
6-inch.....	1.00
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Turkey Dusters

	Each		Each
10-inch.....	\$0.25	14-inch.....	\$0.45
12-inch.....	.35	16-inch.....	.50
13-inch.....	.40	18-inch.....	.60



Galvanized Garbage Cans.



Galvanized Ash Cans.

Galvanized Garbage Cans

No. 02. With cover.....	\$0.75
No. 03. " ".....	1.00

Galvanized Ash Cans

No. 041. 17 x 26 inches.....	\$2.00
No. 190. 18 x 26 inches.....	3.50
Reinforced by iron stays.	
No. 04½. 15 x 23½ inches.....	1.85
Nesco Sifter. Galvanized can, sieve and cover complete.....	2.50

Stove Shovels

	Each
No. 80, 14-inch, japanned.....	\$0.05
No. 56, 20-inch, japanned.....	.10

Japanned Coal Hods

	Each
No. 15, light.....	\$0.25
No. 16, light.....	.30
No. 17, light.....	.35
No. 18, light.....	.40
No. 15, heavy.....	.45
No. 16, heavy.....	.50
No. 17, heavy.....	.55
No. 18, heavy.....	.60

Galvanized Coal Hods

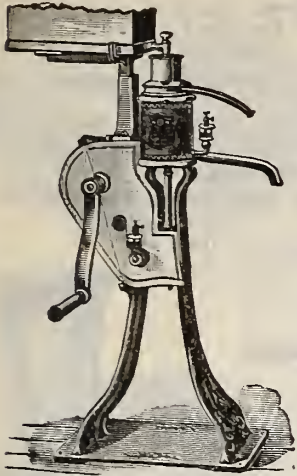


Galvanized Coal Hod.

	Each
No. 15, light.....	\$0.35
No. 16, light.....	.40
No. 17, light.....	.45
No. 18, light.....	.50
No. 15, heavy.....	.60
No. 16, heavy.....	.65
No. 17, heavy.....	.70
No. 18, heavy.....	.75

United States Cream Separators

Cream Separators have been on the market for more than 15 years, in certain forms, generally too complicated to be of practical value, and it is only since the introduction to the public of the simple and efficient improved United States Separator that they have come into the general use seen to-day.



United States Separator.

A Separator, in order to be practicable in the dairy, must be simple in construction, perfectly made in all parts and the parts interchangeable, strong, substantial and durable, and in every way so made as to be run successfully in the hands of a man who, in most cases, makes no claim to knowledge of the machinist's trade. These requirements are found carried out fully in the construction and manufacture of the Improved United States Separator.

Prices for Improved United States Separators, Dairy Sizes

Each Separator is furnished complete for the work designed, as ordered, boxed and delivered f. o. b. cars at Portland, Me., and accompanied by full printed instructions.

	Capacity lbs. of milk per hour	Each
No. 9, Low Frame.....	150 to 175	\$ 50 00
No. 8, Low Frame.....	250 to 275	65 00
No. 7, High Frame.....	300 to 350.....	85.00
No. 6, High Frame.....	400 to 450.....	100.00
No. 5, High Frame.....	500 to 600.....	125 00
No. 3½, High Frame..	650 to 700.....	165.00
No. 3½, with Intermediate.....	650 to 700.....	190 00
No. 2½, with Intermediate.....	1,000 to 1,300.....	300 00

The Nos. 3½, 5, 6, 7, 8 and 9 machines have attachments for either hand or power as ordered by putting pulley on crank shaft in place of crank, or, if so ordered, Nos. 3½, 5, 6 and 7 will be furnished with a long shaft so that the pulley can be put on the opposite side from the crank.

Extra for Power Ratchet Pulley Attachment, Nos. 3½, 5, 6, 7, 8 and 9, \$2.50.

Extra for Ratchet and Loose Pulleys for Nos. 3½, 5, 6 and 7, \$5.

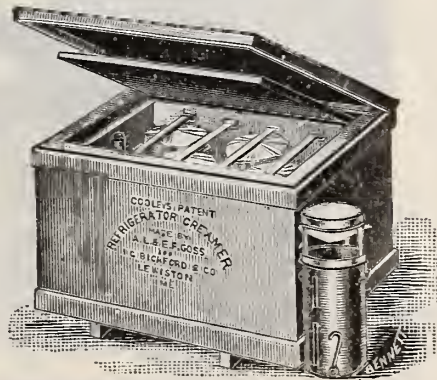
The No 3½ with intermediate is furnished with a low frame similar to the No. 2½.

Cooley Creamers

Prices of Tanks, less Cans

	Price
1, for three cans.....	\$ 8 55
2, for four cans.....	11.40
3, for six cans.....	13 30
4, for eight cans.....	15 20
5, for ten cans.....	16.63
6, for twelve cans.....	18.05
7, for fourteen cans.....	20.90
8, for sixteen cans.....	24.70

Price of tank includes strainer frame and thermometer.



Butter Tub Cover Fastener

Leader. 75c. per 1,000.

Folding Paper Butter Boxes

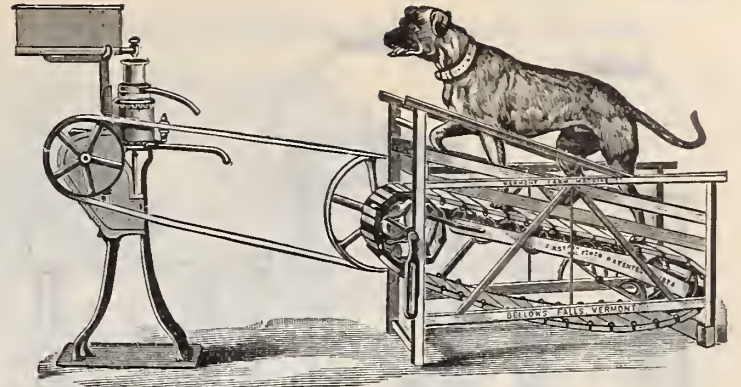
Odorless and tasteless. With or without printing. Write for prices.

Butter Color

Well's & Richardson's Improved Butter Color. This is one of the best butter colors on the market. It is made by new methods, and will not become rancid nor color buttermilk. It gives a superb color.

	Each
Small size, 4 oz., colors about 500 pounds.....	\$0.25
Medium size, 10 oz., colors about 1,200 pounds.....	.50
Large size, 24 oz., colors about 2,800 pounds.....	1.00
1-gallon cans.....	1.75

Special quotations to Creameries for larger quantities.



Dog, Sheep or Goat Powers

In the Dog, Sheep or Goat Power shown herewith, we meet the demand for a cheap, durable, efficient and highly satisfactory power for the operation of our Improved United States Separators, or other light-running dairy machinery. A dog, sheep or goat soon learns to run one of them very steadily. We recommend the use of an animal weighing from 150 to 200 pounds.

By means of a lever and pair of cams the incline of the platform may be regulated to give more or less speed or power and also to enable animals of different weights to produce the same speed or power, without raising or lowering the frame.

A brake is attached to each power. Each power is furnished with a balance wheel, or, when so ordered, a special pulley for belt to run separator with will be furnished in place of balance wheel, at an extra charge.

Pulley, when running separator, should make about 40 revolutions per minute. Power only, \$15; special pulley on power, extra, \$2.50; pulley on separator, extra, \$2.50. Price of belt not included.

Milk and Cream Scale

This Circular Spring Balance weighs sixty pounds either by two ounces or by tenths of pounds, and is very useful for weighing milk at the barn. It is especially adapted for use in the Babcock Test System, as applied to cream gathering, which we describe fully in our specially illustrated Babcock Test pamphlet, mailed free upon application.

We furnish this scale with the indicator adjustable, so that it may be set back any number of pounds to balance the weight of a pail, and the indicator will stand at 0 when the pail is hung on the balance. This scale is warranted accurate. 60 lbs. by 2 oz., \$3.25. 60 lbs. by tenths, \$3.75.



Butter Tubs Milk and Cream Scale.

We are headquarters for the finest spruce Butter Tubs on the market. We have one factory that makes exclusively for us, and they are the finest tubs that are put on the market. We carry constantly on hand 10-, 20-, 30- and 50-pound sizes and have on hand, always, at least a carload; therefore, we are able to fill any orders without delay. Special prices for large quantities. Write for prices.

Milk or Cream Bottles

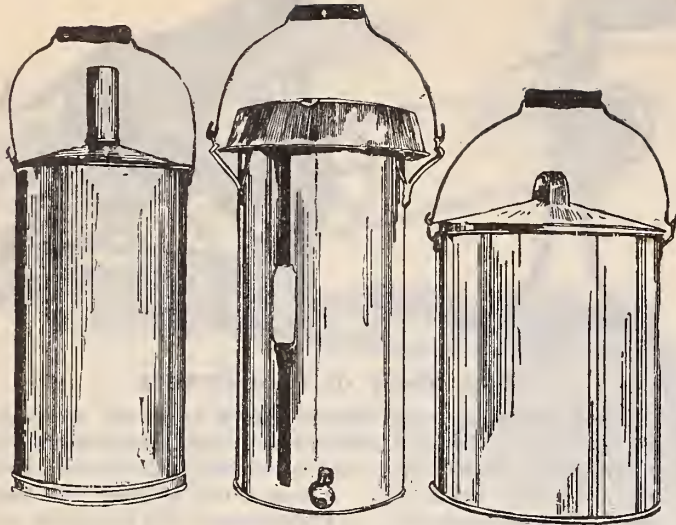


	Per doz.
½ pt. Lightning, with tin top.....	\$0 60
1 pt. Lightning, with tin top.....	.70
1 qt. Lightning, with tin top.....	.85
2 qt. Lightning, with tin top.....	1.35
½ pt. Common Sense, paper top.....	.50
1 pt. Common Sense, paper top.....	.60
1 qt. Common Sense, paper top.....	.75
2 qt. Common Sense, paper top.....	1.25

We carry these in both 1½ inch and 1¾ inch diameter at the mouth of the bottle. Prices quoted on application, in gross lots.

Paper Caps for Milk Bottles. Star Bottle Caps, case 5,000, \$1.25; Portland Caps, case 5,000, \$1.10.

Milk Bottle Brushes. Made from full bristles, 25c.



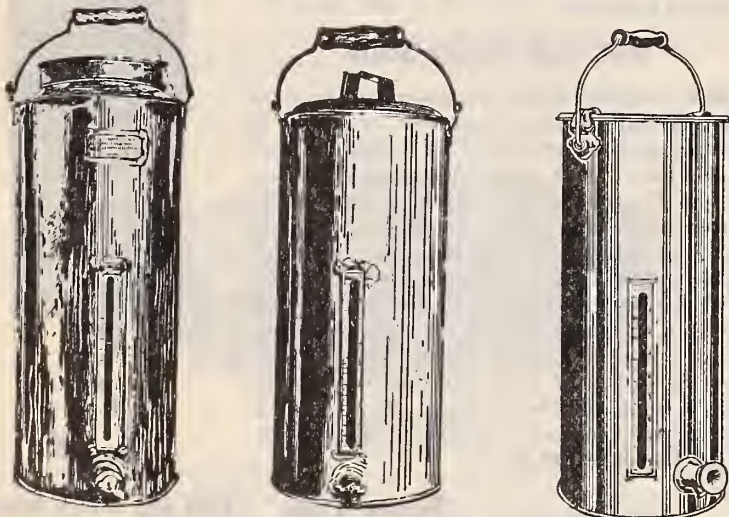
Cream Pail. Cooley Can. Tin Cream Pot.

Cream Ripeners, Pail and Agitator

This pail will be found very convenient for storing cream during the time intervening between skimming and churning. The motion of the agitator, owing to its peculiar construction, is much more effective than a ladle. Use the agitator eight or ten times a day and your cream will have uniform ripeness. 2-gal., with agitator, \$2.50; 4-gal., with agitator, \$3; 6-gal., with agitator, \$3.50.

Tin Cream Pot. 5-gal., \$1.25.

Cooley Creamery Can. With cover, \$1.75; with lock cover and bail, \$2.



Eclipse Can. Maine Can. Portland Can.
Eclipse Creamery Can, \$1.75.
Maine Creamery Can, \$1.25.
Portland Creamery Can, \$1.10.

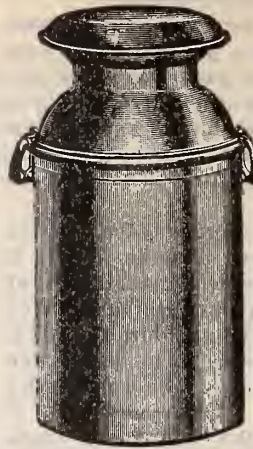
Butter Boxes

We carry constantly in stock large quantities of both round and square Butter Boxes. The round sizes are made from nice selected stock, which is thoroughly steamed and entirely odorless and tasteless. We supply large quantities of these to the creameries. We would call special attention to the crate in which ours come packed, as it has an extra slat, and therefore the boxes will not fall out in transportation. Our square or Dumas Butter Boxes are all parchment lined, made of selected spruce, and are all free from knots or stains. Quantity prices on application.

Parchment Butter Paper

For wrapping or covering butter. We carry a large assortment of this constantly on hand in the popular sizes. Our paper is made by the best manufacturer of paper in the world and is entirely free from chlorine or other chemicals used in the manufacture, and therefore on wetting it will not taint the butter. It is entirely odorless. Price, 15 cents a pound. Special quotations on quantities for creameries, etc. We are glad to quote on special designs in printing in large quantities.

Milk Cans



New York Can.

New York Pattern. Made of steel; heavily tinned. All N. Y. Pattern Cans have the improved "ironclad" can breast. 40-qt., \$2.75.

Butter Ladles. Michigan Pattern, 10c.; Acme, 8c.

Butter Spades. 4 x 10 in., 10c.; No. 2, 3 x 12 in., 10c.; No. 6, 5 x 12 in., 15c.; creased, 15c.

Wooden Butter Knives. 10c.

Butter Eveners and Butter Packers. 50c. to 75c.

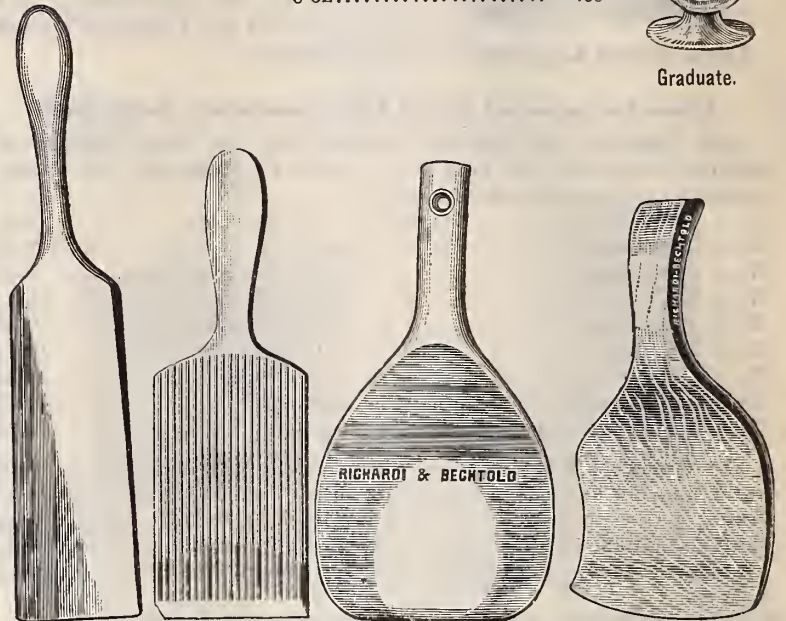
Factory Ladles. 50c. to \$1.

Graduates

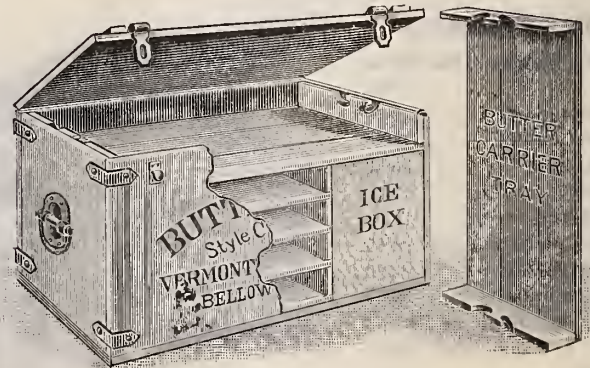
	Price
4-oz.....	\$0 40
8-oz.....	.60



Graduate.



Butter Spade. Grooved Butter Spade. Michigan Pattern Butter Ladle. Acme Butter Ladle.



Butter Carriers

We call special attention to the Blanchard Butter Carrier, as we firmly believe it is the best Butter Carrier on the market. It is wholly constructed of white wood and has heavy trimmings.

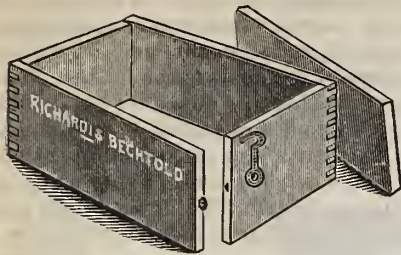
	Capacity	Trays	Depth	Length	Width	Price
No. 6½	12 lbs.	3	1½ in.	9¾ in.	10½ in.....	\$1.75
No. 7	16 lbs.	4	1½ in.	9¾ in.	10½ in.....	2.00
No. 8	24 lbs.	4	1½ in.	13¾ in.	10½ in.....	2.25
No. 9	32 lbs.	4	1½ in.	18½ in.	10½ in.....	2.75
No. 10	40 lbs.	5	1½ in.	18½ in.	10½ in.....	3.00
No. 11	48 lbs.	6	1½ in.	18½ in.	10½ in.....	3 50

Ice boxes for above, 50c. extra.

Champion Milk Cooler

The Champion Milk Cooler is probably the best aerator on the market. It is so arranged that you can fill it with ice water, or if running water is to be had, attach hose to the tube in the center of the bottom of the cone. It brings every particle of the milk in contact with pure air. It increases the keeping qualities of the milk by removing the animal heat. It also removes from the milk the odor of foul-smelling feed, such as silo, cabbage or turnip, and thus prevents the rapid formation of the bacteria which causes sour milk. Price, No. 2, 3 to 25 cows, \$5; No. 3, 10 to 50 cows, \$5.50.

Butter Moulds



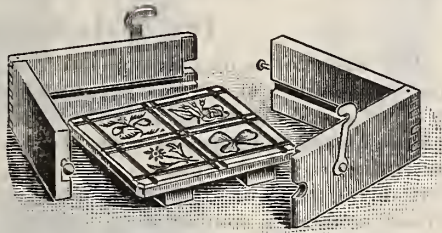
Boston Hinge Butter Mould.



Round Butter Mould.



Square Butter Mould.



Blanchard Butter Mould.

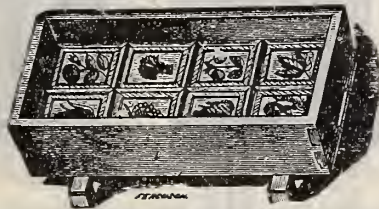


Butter Print.

Round Butter Moulds, with Design. 1 lb. 25c., ½ lb. 20c., ¼ lb. 15c.
Round Butter Moulds, with Initial. 1 lb. 30c., ½ lb. 25c., ¼ lb. 20c., individual 15c.
Boston Hinge Butter Moulds. 1 lb. 20c.
Square Butter Moulds, with Design. 1 lb. 50c., ½ lb. 35c., ¼ lb. 25c.
Square Butter Moulds, with Initial. 1 lb. 60c., ½ lb. 50c., ¼ lb. 35c., individual 25c.
Blanchard Butter Moulds. ½ lb., in two quarters, 65c., 1 lb., in four quarters, 75c. For carving with initials, add 25c. for each letter.
Butter Prints. In different designs. 10c.

Combination Butter Prints

The demand for the Combination Butter Print has largely increased during the past few years, the average dairy man being more particular about the appearance of his butter. For this reason we have placed on the market one of the best combination butter prints ever manufactured, being made of the best and finest selected wood and the carving being second to none. Prints engraved to order with any design, initials or monograms without extra charge.



Combination Butter Prints.

No. of print	No. of cakes	Capacity moulds in lbs.	Capacity each cake in ounces	Dimensions of moulds in in.	Dimensions of each cake	Price
1	3	1½	8	10 x 3½	3 x 3½	\$3.50
2	4	2	8	11 x 3¾	3¾ x 2¾	3.75
3	4	2	8	12 x 3	3 x 3	3.75
4	4	1	4	4½ x 5	2½ x 2½	3.50
5	4	1	4	10 x 2½	2½ x 2½	3.75
6	8	2	4	10 x 4½	2½ x 2½	4.00
7	6	1½	4	10 x 3½	3½ x 1¾	4.25
8	12	1¼	2	12 x 4	2 x 2	5.00
9	16	1	1	10 x 3	1½ x 1½	5.00
10	24	1½	1	1 x 4	1¾ x 1¾	5.25
12	8	4	8	11 x 5	2½ x 2½	4.50
20A	4	2	8	11 x 4½	3½ x 2½	3.75

Round Individual Butter Mould. 15c.
Square Individual Butter Moulds. 25c.
Individual Double Strawberry. 50c.

Prices for Carving Printer Blocks

A single initial twice.....	with border.....	\$0.75
A wheat sheaf twice.....	"	.75
A clover, maple or other leaf twice.....	"	.75
Acorn and leaves twice.....	"	1.00
Two initials twice.....	"	1.00
A tulip, daisy or other small flower twice.....	"	1.00
Three initials twice.....	"	1.25
Rosebud and leaves twice.....	"	1.25
A full-blown rose twice.....	"	1.50
A cow once or cow's head twice.....	"	2.00
Monograms twice.....	"	\$ 1.50 to 2.00
Names of person or farm, once or twice.....	"	1.50 to 2.50

The Improved Philadelphia Butter Worker

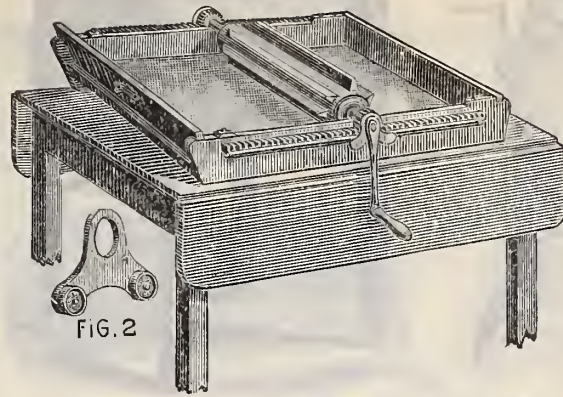
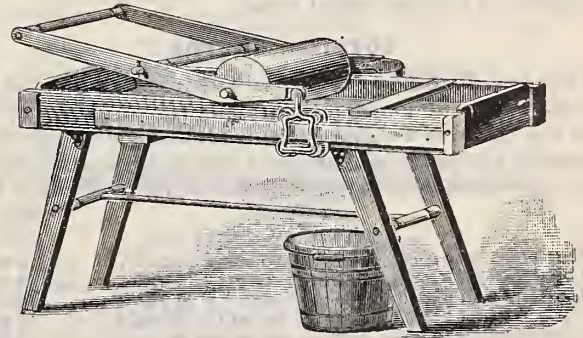


FIG. 2

Is very simple in its construction; is very light and easily handled; is the best of the deep flange, non-adjustable roll, crank workers. The gibs, as shown in Fig. 2, have two wheels or rollers, which roll against the under side of the rack, making much less friction and easier working than those that have no

wheels, but have a stationary projection that rubs along the underside of the rack. The handle is made of galvanized iron, with a ferrule that turns on the iron portion and not in the hand, which saves blistering, as is the danger where the handle is rigid and must turn in the hand. The castings are all galvanized. They are built of the very best material and in the best manner.

	Size	Capacity	Weight	Price
No. 1.	14 x 23 in., 2½ in. deep inside.....	10 lbs.....	20 lbs....	\$4.50
No. 2.	17 x 26 in., 2½ in. deep inside.....	20 lbs.....	25 lbs....	5.50
No. 3.	20 x 30 in., 2½ in. deep inside.....	30 lbs.....	30 lbs....	6.50
No. 4.	23 x 36 in., 2½ in. deep inside.....	50 lbs.....	45 lbs....	7.75



The Improved Eureka Butter Worker

The improvements introduced on this Worker make it better than ever before, which improvements consist in changing the double track and one sheave between them on each side of the tray, to one track and four rollers, which has reduced the friction to a minimum, and makes the Improved Eureka the best Worker in the market. It works from 200 pounds to 400 pounds per hour.

	Works from	Size	Price
No. 1. Family size.....	8 to 12 lbs....	49 x 22½ in.	\$6.00
No. 2. Dairy size.....	10 to 20 lbs....	58 x 22½ in.	8.00
No. 3. Dairy size.....	20 to 40 lbs....	64 x 27 in.	10.00
No. 4. Factory size.....	40 to 60 lbs....	76 x 32 in.	12.00

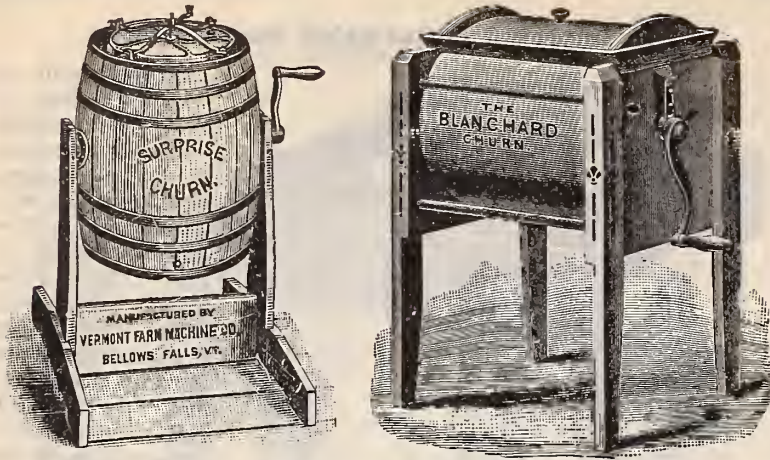
Nos. 1 and 2 have folding legs. They are easily folded into small, compass and put away when not in use. Nos. 3 and 4 have stiff legs, thoroughly braced with iron, galvanized. In purchasing, be careful to let no one palm off an old-style Eureka.

The Agos Cast-iron Frame Hand Babcock Tester



Has latest improved cast-iron body and cover, spur and spiral gearing with machine-cut teeth, removable malleable iron bottle head, seamless brass swinging pockets with reinforce ring, and the bottles can swing perfectly horizontal when in motion; ball bearings which make it turn easier and run more smoothly and quietly than others. In fact, the Agos combines all the essentials of a perfect Babcock Tester. The Hand Agos is similar to the Steam Turbine Agos, which is so popular

among its many users, and is sure to give satisfaction to all those who desire a perfectly accurate, efficient, simple, durable hand tester. 4-bottle, \$8; 6-bottle, \$9; 8-bottle, \$10; 10-bottle, \$12; 12-bottle, \$14. With each tester is furnished the following outfit, viz.: Full set of regular Babcock milk bottles, pipette, acid measure, acid sufficient for making 50 to 100 tests, and directions for manipulating. All testers are fitted with the ordinary milk bottles, unless different bottles are ordered. All shipments of glass ware at purchaser's risk.



Blanchard Churns

The principal point of merit in the Blanchard Churn is the ease with which it may be cleaned. It has few inside corners or angles; every part of the interior is visible and easy of access, very convenient for removing the butter, and is simple in construction. Their popularity is attested by the enormous number of them now in use.

	Mfrs. price	Our net price
No. 3. Churns up to 3 gallons of cream.....	\$4 00	
No. 4. Churns up to 4 gallons of cream.....	4 50	
No. 5. Churns up to 6 gallons of cream.....	5 50	
No. 6. Churns up to 12 gallons of cream.....	6 75	
No. 7. Churns up to 16 gallons of cream.....	8.00	

Surprise Churns

This is the best of all barrel churns. The irons holding the heads are galvanized. It is hand-made of thoroughly kiln-dried white oak. The bottom of the churn is weighted to counterbalance the cover. It has a superior method of fastening the cover, which never gives way and lets the head out, as is frequently the way with other methods of fastening.

	Mfrs. price	Our net price
No. 1. Churns 1 to 4 gals. cream, capacity 10 gals.....	\$ 8 00	\$ 7 00
No. 2. Churns 2 to 7 gals. cream, capacity 15 gals.....	9.00	8.00
No. 3. Churns 3 to 9 gals. cream, capacity 20 gals.....	10.00	8.75
No. 4. Churns 4 to 12 gals. cream, capacity 25 gals.....	12 00	10 50
No. 5. Churns 5 to 16 gals. cream, capacity 35 gals.....	14.00	13 00
No. 5½. Churns 5 to 20 gals. cream, capacity 45 gals.....	17 00	16 00
No. 6. Churns 6 to 28 gals. cream, capacity 60 gals.....	20 00	19 00

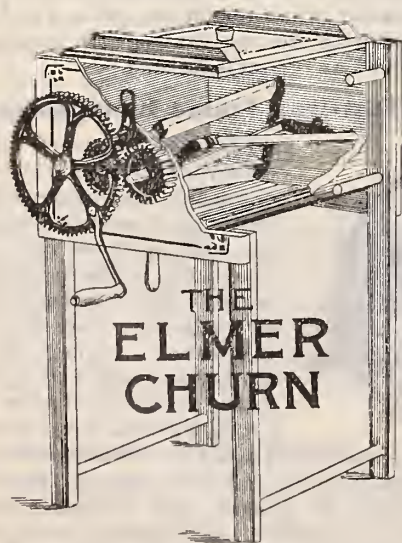
Extra for one 12x3 pulley, \$3. Extra for tight and loose pulley, 12x3, \$5.

Charm Churns

To people wishing a lower-priced barrel churn we recommend the Charm.

	Mfrs. price	Our net price
No. 1, 10 gal. Churns from 1 to 5 gals. cream.....	\$ 8.50	\$4.50
No. 2, 15 gal. Churns from 1 to 7 gals. cream.....	9.00	5.00
No. 3, 20 gal. Churns from 2 to 9 gals. cream.....	10.00	5.50
No. 4, 25 gal. Churns from 2 to 12 gals. cream.....	14.00	6.50
No. 5, 35 gal. Churns from 3 to 16 gals. cream.....	16.00	8.00

The Elmer Double Acting Churn



This cut shows the inside floats, which are very simple but effective, each float reaching to the center of the other as they move in opposite

directions. In this churn the course of the cream is changed at every revolution of the floats and is stirred evenly throughout, in the center as well as at the sides. The device to change from fast to slow motion is a great improvement over ordinary churns, whereby when the cream is thin a greater speed may be obtained, and then changed to a slower motion as it begins to thicken, the better to separate the butter. It is also a perfect butter worker without making any changes; by turning the crank back and forth it can be washed and salted in the churn without removing until ready to ball out. The construction is such that all parts can be readily seen and easily cleaned. Every churn is warranted to be as represented. They are sold on their own merits and can be taken on trial and returned unless entire satisfaction is given.

	Price
No. 1. Churns up to 8 quarts cream.....	\$ 5.00
No. 2. Churns up to 10 quarts cream.....	5 75
No. 3. Churns up to 15 quarts cream.....	6.50
No. 4. Churns up to 20 quarts cream.....	7.25
No. 5. Churns up to 25 quarts cream.....	8 00
No. 6. Churns up to 35 quarts cream.....	9.00
No. 7. Churns up to 45 quarts cream.....	10.00
No. 7, with crank on both ends so that two can turn.....	11.50

The Davis Swing Churn

The experience of years makes it an assured fact that floats and paddles inside a churn box invariably injure the grain of the butter, whipping and beating and thrashing the cream until the firm texture of the butter is destroyed. The best dairymen are doing away with such churns, and the inquiry is for a simple, inexpensive churn, which will bring the butter by simply moving the mass, the particles of cream coming in contact with each other only.

The remarkable increase in the sales is the strongest proof of the worth of the Davis Swing Churn.

Size	Will churn	Capacity	Weight, lbs.	Price
No. 1, 4 gals. or less,		8 gals.	55.....	\$ 7 10
No. 2, 5 " "		10 "	59.....	9 00
No. 3, 8 " "		16 "	73.....	10 00
No. 4, 10 " "		20 "	85.....	12 00
No. 5, 13 " "		26 "	98.....	15.00
No. 6, 17 " "		34 "	112.....	18 00
No. 7, 30 " "		60 "	258.....	25.00
No. 8, 40 " "		80 "	275.....	30.00
No. 9, 50 " "		100 "	345.....	35.00



Lightning Churns

Owing to the constantly increasing number of stock owners who send the bulk of their milk or cream to the creameries, simply retaining enough to provide for home consumption, there has arisen a demand for a small, light, quick-acting churn, durable in workmanship and neat in finish. To meet

this need, we have put in our stock the Lightning Churn, which has met with a rapid sale.

No. 0. Holds 4 gallons. Will churn 2 gallons.....	\$2 50
No. 1. Holds 6 gallons. Will churn 3 gallons.....	3.25
No. 2. Holds 8 gallons. Will churn 4 gallons.....	3.50
No. 3. Holds 10 gallons. Will churn 5 gallons.....	4.00

Cylinder Churns

Superior in material and workmanship. Made from special selected stock and highly finished. Acknowledged to be the best cylinder churn on the market.

	Price
No. 1, capacity 2¾ gals..	\$1 75
No. 2, capacity 4 gals..	2.15
No. 3, capacity 7 gals..	2.35
No. 4, capacity 10½ gals.	2.75
No. 5, capacity 15 gals..	3.25

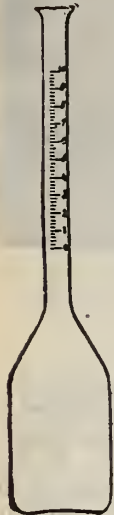


Dash Churns

No. 0, with dasher.....	\$1.00
No. 1, with dasher.....	1.10
No. 2, with dasher.....	1.25
No. 3, with dasher.....	1.50

Babcock Test Bottles

	Each
10 per cent. Milk Bottle.....	\$0.30
30 per cent. Cream Bottle.....	.35
40 per cent. Cream Bottle.....	.35
50 per cent. Cream Bottle.....	.35
Skim Milk Bottle.....	.75



10 Per Cent. Milk Bottle.



Combined Acid Bottle



30 Per Cent. Cream Bottle.



Fig. 3.

Lactometer, Fig. No. 3. For testing quality of milk. Packed in turned wood boxes. 40c.

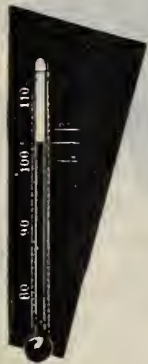


Fig. No. 5.



Fig. No. 4.



Fig. No. 6.



Fig. No. 1.



Fig. No. 2.

Thermometers

Floating Dairy Thermometer, Fig. No. 2. Packed in turned wooden box	Each \$0.20
Standard Floating Dairy Thermometer, Fig. No. 1. Packed in turned wooden box.....	.50
Flange Dairy Thermometer, Fig. No. 4.....	.15
New Floating Dairy Thermometer, Fig. No. 6. Has both shot and quick-silver.....	.50
Incubator Thermometer, Fig. No. 5.....	.60
Cream Test Tubes. 30c. each. If sent by mail, add 5c. for postage.	

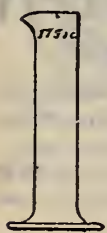


Pipettes

	Each
For milk, 17 6 C. C.....	\$0.25
For cream, 18 C. C.....	.25

Acid Measures

17 6 C. C.....	.30
Combination Bottle, Acid Measure and Pipettes....	3.00
Graduates. 2-oz. 30c., 4-oz. 40c., 6-oz. 50c., 8-oz. 60c.	

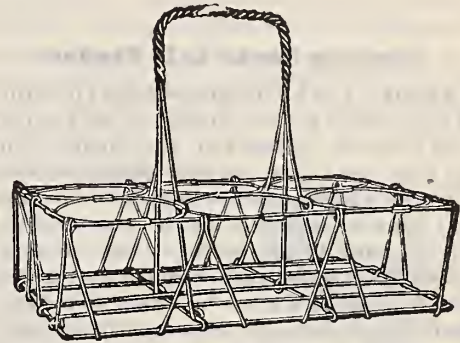


Pyramidal Strainer.

Pyramidal Strainer

The best Strainer on the market. Can be used in any kind of can. Cleans milk faster than any other strainer on account of having four exposed strainer sides in one.

	Price
Strainer, without rest or funnel.....	\$1.25
Strainer, with rest and funnel.....	1.40
Extra rests or funnels.....	.15



Milk Bottle Holder.

Milk Bottle Holders

4 quarts 60c. each, 6 quarts 65c., 6 pints 60c.



Milking Tubes

They are nicely made from metal and heavily plated with pure silver and warranted equal to solid silver. These tubes will fill a long-felt want by dairymen and farmers for a cheap article for drawing milk from cows with sore or obstructed teats.

	Price
No. 1. Small.....	\$0.25
No. 2. Medium.....	.30
No 3. Large .....	.35
Full set of each size .....	.75

We send tubes by mail on receipt of price.

Small's Calf Feeder

This article was designed and has been perfected by the inventor for feeding milk to young calves before they are old enough to eat and drink otherwise. Its chief merits are not only in its convenience, but in the sleek, healthy calves it produces, as they suck their food slowly in a natural way, producing the gastric juices as in nature, and the calf is never stunted or set back as they are when taught to drink, but grow rapidly from the time they are put on the Feeder. \$2; extra nipples, 25c.

Blatchford's Calf Meal

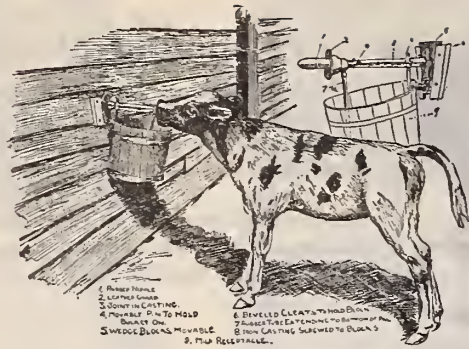
Has proven itself one of the best, if not the very best, substitutes for milk for raising calves ever placed before the farmers of this country or Europe. A calf can now be taken off new milk when three or four days old, a porridge made of Blatchford's Calf Meal and skim milk substituted for the new milk diet, and the skim milk can gradually be dispensed with until the calf is feeding on the porridge alone with no milk whatever. This desirable result is obtained because Blatchford's Calf Meal is as nearly as possible new milk in composition. One hundred pounds make 100 gallons of rich, nutritious gruel.

	Each
100 lb. bags.....	\$3.50
50-lb. bags.....	2.00
20 lb. bags.....	1.00
9-lb. bags.....	.50
4-lb. bags.....	.25

Cooper Sheep Dipping Powder

For scab and insects. Always benefits; never hurts anything but disease. No staining. No shrinkage. No smell. Twenty-five gallon packet, 50c. One hundred gallon packet, \$2.00.

American Horse Tonic. Cures that lousy look. Put up in separate powders of one dose each. 25c.



Common Sense Calf Feeder

Notice These Points. The nipple goes straight into the calf's mouth. The nipple does not have to be bent, therefore lasts longer. The nipple is reinforced and does not collapse in the mouth. The nipple and tubing are made from pure gum rubber. These nipples are the only ones made in a mould with no seams to crack open. The whole apparatus can be kept clean without trouble. Calves take to it like a duck to the water; like a baby to the bottle. These nipples are the only ones that are provided with a leather guard that prevents wear, and prevents the calf from getting it too far down its mouth.

Calves' Cordial is a combination of seven ingredients which go to make up a corrective for the unnatural condition of the stomach and bowels of the calf. We sell it under a positive guarantee to refund money where it does not cure. Most valuable when fed with the grain ration to act as a preventive of scours. One tablespoonful in a quart of dry grain makes the food more easily digested and assimilated. Its value as a cure for scours in cows is equally as great as for scours in calves. Sold all over the United States and Canada in 2-lb. carton for 50c.

Cow-Tone is composed of a constitutional disinfectant that permeates every tissue of the body and all the organs of reproduction, preventing and curing the tendency to abortion, barrenness and retention of afterbirth. Cow-Tone acts through its toning and reinvigorating properties to build up the overworked digestive organs, assisting nature in expelling the disease germs from the cow's system, also in assimilating the greatest proportion of food value from the hay and grain.

Price List

Common Sense Calf Feeder.....	\$1 50
Double or Twin Feeder.....	2 00
Nipples and long tubing, each.....	.20
Reinforcements and leather guards, each.....	.05
Casting for end of tube.....	.10
Lamb Feeders (two nipples).....	.75
Cows' Relief, 1/2-lb. box, 50c., 1 1/2-lb. box.....	1.00
Calves' Cordial, 2-lb. package.....	.50
Arabian Scratches and Gall Cure, 3 oz. 25c., 9 oz.....	.50
Cow-Tone, large size, \$1.00, small size.....	.50

Cow Relief

Is a favorite among those who use it. The best cow is the sure victim of a caked bag if Cow Relief is not in your stable to cure at the start. Invest 50 cents and save a cow.

Dr. Hess and Clark Stock Food

The Best and Cheapest Stock Food on the Market



For horses, cattle, hogs and sheep. It is a flesh producer and can't be otherwise, as it contains the very essential tonics that put the system to work and compel it to take care of the stuff fed, allowing no food to pass off undigested. It increases the appetite, aids assimilation, generally stimulates the kidneys, regulates the bowels, and increases the secretion of the liver. In short, it makes the other foods digest properly and yield the greatest quantity of milk and flesh.

7 lbs. Stock Food.....	\$0.50
25-lb. Pail Stock Food.....	1.60



Before Using.



After Using.

Eureka Fly Killer

"Fly-time" worries cattle, worries horses, and altogether is a season of considerable loss to the farmer. The question of how to best counteract this evil and source of decreasing profit has engaged the attention of agricultural experts of every community. Eureka Fly Killer was born of a necessity; it meets an existing demand for an article of its kind, and that it meets it well and perfectly satisfactorily is attested by the numerous and grateful testimonials.

Cow Comfort Oil

The Humane Farmer's Friend. Protects Cattle and Horses from Fly Pest and Vermin

Sure preventive. Perfectly harmless. Easily applied. Manufactured expressly for us. No stable or barn complete without it. Indispensable in milking. Free from chemicals. Will not eat the hair. Send for testimonials and other information. Without any doubt "COW COMFORT OIL" is the very best article of its kind ever produced.

PRICES

1-gal. cans, 12 to case, per can.....	\$0.75
1-qt. bottles, 12 to 24 to case, per doz.....	3.00
1-qt. cans, 12 to 24 to case per doz.....	3.50



Schley's Weaner

For calves 1 to 4 months old.....	Each \$0.35
For calves 4 to 8 months old.....	.35
For yearlings.....	.50
For cows.....	.60

If sent by mail, add 10 cents for postage.

Cooley Calf Weaner

Made of wire meshing and so constructed that the animal may feed with ease, but when the head is raised it makes it impossible to suck. Neither does it have sharp prongs to injure itself or other animals.

Dr. Hess Poultry Panacea

Is equally good for chickens, turkeys, ducks and geese. It is a guaranteed egg producer, but is not a stimulant. It is a nutritious tonic which produces eggs in Nature's own way. It prevents diseases and also cures them after they are once established.

1 1/2 lbs. Poultry Panacea.....	\$0.25
5 " " ".....	.60
12 " " ".....	1.25
25-lb. Pail ".....	2.50



Instant Louse Killer

Most effective louse killer known to science. It kills lice on horses, cattle, poultry, sheep and vegetation.

1 lb. Instant Louse Killer.....	\$0 25
3 lbs. " " ".....	.60

Poultry Supplies

Drinking Fountains



Hub Drinking Fountain.

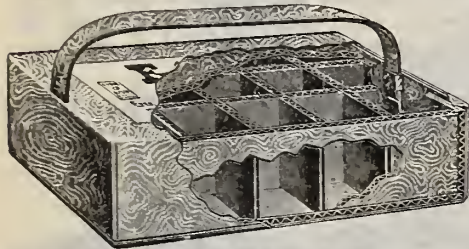
Hub Drinking Fountain. For Poultry. Made of heavy galvanized iron. Convenient to fill and empty. Keeps water cool and pure. Will not be injured by freezing. Can hang up on the side of the wall or partition. ½-gal. size 35c., 1-gal. 50c., 2-gal. 75c.



Earthen Drinking Fountain.

Earthen Drinking Fountain. 2-qt. 25c., 3-qt. 30c., 4-qt. 40c.

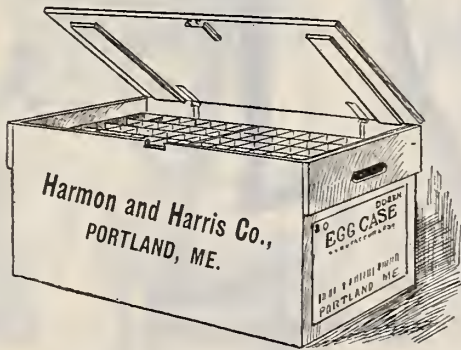
Egg Cases and Carriers



Eyrie Shipping Egg Box.

Eyrie Shipping Egg Box. Unquestionably the best box on the market for shipping safely fancy eggs by express. Made of heavy corrugated cardboard. They are very strong, compact, light and convenient. The handle, when put in place, locks the box and it cannot be tampered with in transit. The handle prevents the putting of anything on top of the box and thus prevents rough usage. 1 setting, 15c. each, \$1.50 per doz.; 2 settings, 20c. each, \$2 per doz.

Single Dozen Pasteboard Egg Boxes. Per doz. 75c.



H. Q. H. Co.'s Egg Cases. The best egg cases on the market and the most popular one with shippers of eggs.

	Price
8-doz.....	\$0.65
15 doz.....	.85
30-doz.....	1.10
49-doz.....	1.20
56-doz.....	1.35

H. Q. H. Co.'s Egg Case Fillers.	Egg Price
30-doz.....	\$0.30
49-doz.....	.40
56-doz.....	.50

Leg Bands

Climax Leg Bands. The best poultry marker made. Climax Leg Bands have been on the market for years, and their rapidly increasing sales attest their popularity. They are simple, neat and absolutely secure if properly put on. There are no sharp edges or exposed ends of wire and no tools are required. Sizes: Nos. 1, ½-inch; 2, ⅝-inch; 3, ¾-inch; 4, ⅞ inch; 5, 1-inch.

Per dozen.....	\$0.25
2 dozen.....	.40
50.....	.75
100.....	1.25

Decker Novelty Leg Bands. For poultry and pigeons. We have sizes for all breeds. In ordering please mention breed and how you wish them marked. 25c. per doz., 40c. for 2 doz., \$1.25 per 100.



Decker Leg Band.



Climax Leg Band.

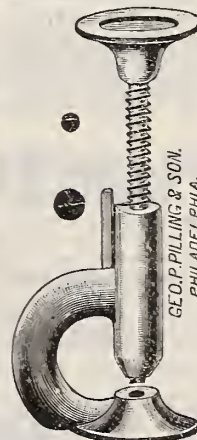


French Poultry Killing Knife. Every poultry raiser should have one of our killing knives. They are made of finely tempered instrument steel with nickeled handle; will last a lifetime. Will be one of the best investments you ever made. Sent postpaid on receipt of 50c. Don't wait! Send for one now! Sent securely packed, by mail, on receipt of price.

Dean's Hens' Nests. Made from heavy steel wire and japanned. Put up anywhere. No trouble from vermin. 30c. each, \$2.75 per doz.

Lambert's Death to Lice. A disinfectant insect powder. A cheap and effective remedy for all kinds of poultry vermin, lice on cattle, swine or plants, fleas on dogs, ticks on sheep, moths, bed, water or squash bugs, roaches, etc. 5-oz. 10c., 15-oz. 25c., 3-lbs. 50c., 6¼ lb. box \$1.

Lee's Liquid Lice Killer. Sure death to all vermin on poultry, hogs and all domestic animals. On evaporating, forms a gas of same weight as air, destructive to all insect life. Contains no kerosene or other diluent Each gallon is equal to from 2 to 5 gallons of other paints, washes or dips. Qt. 35c., ½ gal. 60c., 1 gal. \$1.



Poultry Marker.

The Philadelphia Poultry Marker. Do you keep a record of chickens? The different breeds, hatches, etc., should be kept. There is no better or quicker way than by this marker, as over 200 different marks can be made by punching web between toes, for instance—between first and second toe of right foot means Wyandotte or Plymouth rock; between second and third toe, White Leghorn or Langshan, so that hundreds of private marks can be made; not only to keep records, but by your private marks you can secure yourself from the chicken thief. They are well made, with steel spring and cutter, nicely nickel-plated. Made in two sizes. Sent postpaid on receipt of price. 25c.



Philadelphia Gape Worm Extractor. 25c., postpaid.

Caponize. Poultrymen can double their profits by caponizing their chicks. The operation is very simple—the instructions are so full and explicit that any man, woman or child, after a careful reading, will be able to perform the operation. It is highly successful from every point of view. The demand for capons far exceed the supply,—price per pound being twice as much as for ordinary chicks. The object of caponizing is to largely increase the weight of fowls, causing them in many cases to grow as large as turkeys and weigh from 10 to 15 pounds and to make the meat of a finer flavor and very juicy and tender. Complete set, \$2.50.

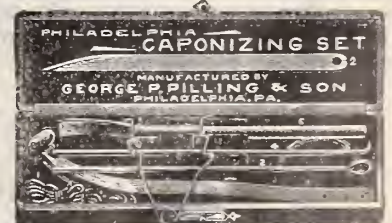
Hen Wheat. We have taken great pains to find in Chicago low-priced wheat that would be free from smoke and other objectionable features, and that we could sell at a price for hen wheat.

Crystal Grit. This grit is pure quartz, therefore it is superior to all other grits. It does not dissolve in the crop, never wears smooth, but retains its rough edges. 75c. per 100 lbs.

Bradley's Meat Meal. 25, 50, 100-lb. bags.

Hulled Oats. A very nice food for growing chickens, containing great strength and growing qualities.

Kaffir Corn. 100-lb. bags.



Bowker's Animal Meal



"Better than Scraps."

Something to Make Hens Lay. Introduced in 1873. Hens that are not laying should be made to lay, especially when eggs are high. They will lay if you feed them the right material to make eggs of. Eggs are principally albumen, which is produced by hens from the protein absorbed from their food.

Bowker's Animal Meal is concentrated protein and furnishes a larger percentage of this element than any other similar poultry food. See the analysis by experiment stations for the proof, or feed it to your hens and prove it at home.

Bowker's Animal Meal is a thoroughly cooked, hence easily digested, meat and bone food, supplying protein for the egg and bone for the shell. It is very finely ground and is fed with grains and other food in the morning mash. It makes hens lay; it makes chickens grow. Trial bag, enough for ten hens three months, \$1. Four times as much for \$2.25.

Bowker's Bone Meal for Cattle. This is made from carefully selected bone, reduced to a meal, white, clean and perfectly sweet. Feed from a tablespoonful to one-half pint at a time, as long as the animal seems to crave it. Most cows and growing stock will lick it down as they do salt. With some, however, it will be necessary to feed it with grain. \$2.50 per 100 lbs.

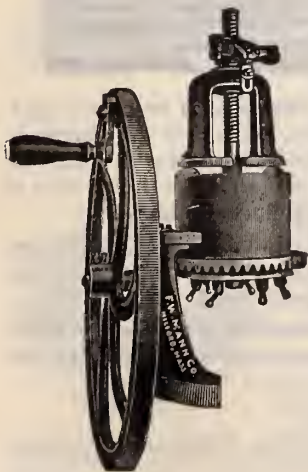
Bowker's Cracked Bone for Fowls. This is made from carefully selected bone, reduced to about the fineness of cracked corn and is liked very much to feed laying hens to supply lime. \$2.50 per 100 lbs.

Bowker's Ground Beef Scraps. The market is thoroughly searched to find scraps of the very best quality, and these are offered to poultrymen under the celebrated "Bowker" brand. We sell first quality only. \$2.50 per 100 lbs.

Peerless Ground Oyster Shell. We are headquarters for these goods. 60c. per 100 lbs.

Peerless Beef Scraps. A very fine quality of scraps prepared expressly for us, and which we can recommend in the highest terms. \$2.50 per 100 lbs.

Mico Spar Grit. The best grit made because it is the hardest. It never crushes up nor wears smooth. Made in four sizes. No. 1 for turkeys and geese, No. 2 for hens, No. 3 for chickens, No. 4 for pigeons and brooder chicks. 75c. per 100 lbs.



Mann Bone Cutter No. 5.

Have You Seen the New Mann

You don't know what a Bone Cutter really is until you see

Our 1902 Model

Different from all others. It has a larger cylinder, four knives, improved automatic feed, open hinged cylinder. Will cut faster and easier than other types costing twice as much.

Rust's Egg Producer

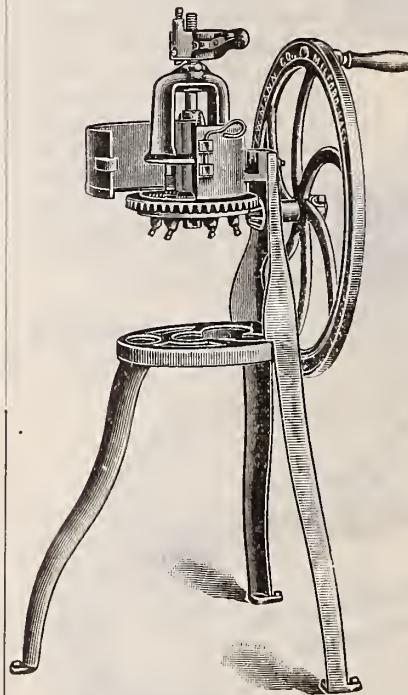
Hens can't help laying when given Rust's Egg Producer. Those who use it once never want any other. It beats everything because it supplies the chemical constituents of eggs, and supplies them in proper proportions, thus avoiding all waste, making it the cheapest as well as the best egg producer known. Think of it! It costs only from 2 to 3 cents a month for each hen (according to the size of box) to use egg producer and get wonderful results. Lb. 25c., 2½ lbs. 50c., 6 lbs. \$1.



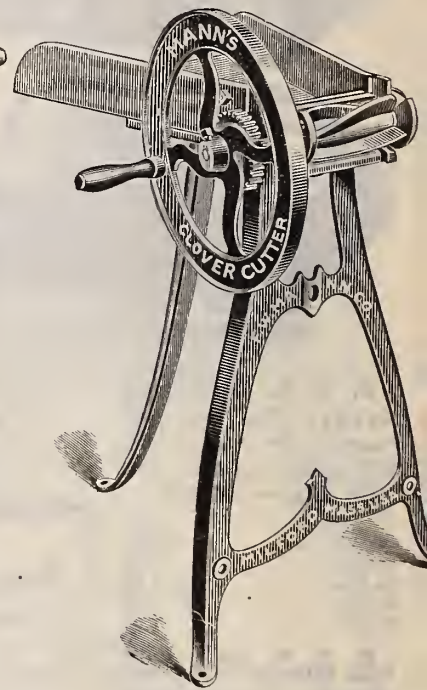
Haven's Climax Condition Powder

Heads off no more! Cure fowl cholera and gaps by using Rust's Haven's Climax Condition Powder. Not only a chicken powder, but the best animal curative and conditioner known. Used everywhere. Three sizes, 25c., 50c. and \$1.

Rust's Haven's Roup Pills. Box of 50 pills, 25c.; box of 250 pills, \$1. Mailed on receipt of price.



Mann Bone Cutter No. 7.



Mann Clover Cutter.

No. 5 C, with crank.....	\$ 6.00
Fo. 5 B, with balance wheel.....	8.00
No. 5 BM, with balance wheel and iron stand.....	10.40
No. 7, with balance wheel and iron stand.....	12.00
No. 9, with balance wheel and iron stand.....	13.40
No. 11, combination, hand or power.....	26.00
No. 12, small power.....	30.00
No. 15, large power.....	60.00
No. 14, large power.....	76.00
No. 16, made to order.....	225.00

Mann Clover Cutter

Designed strictly for making the knife easy to sharpen. One straight knife made of the finest steel to be cared for. Cuts any kind of hay or clover, either dry or green. Every revolution of the wheel produces twelve cuts, four times as fast as the ordinary clover cutter. Price, with balance wheel, \$8; with balance wheel and iron stand, \$10.



TO MAKE A SUCCESS OF POULTRY RAISING

It is necessary to keep them in a vigorous and a healthy condition. Poultry keepers will find it will be a profitable investment to use

PRUSSIAN POULTRY FOOD.

It contains nothing injurious and has been used for years in thousands of flocks. Equally good for Chickens, Ducks, Geese, Pigeons Turkeys, Etc.

PRUSSIAN POULTRY FOOD MAKES POULTRY PAY

It is a renovator and cleanser and has valuable tonic qualities and power. Not only keeps fowls healthy and cures Cholera, Roup and other disease but it also **Stimulates and Promotes Flesh Forming** and Egg production. Makes young chicks grow and broilers fatten quickly.

IT HELPS HENS LAY.

We have received the Prussian Poultry Food, and we believe it is a good thing as our hens are looking so well, and they continue to lay. I have heard several good words for Prussian Poultry Food while on my Institute Tour. People say that it keeps the fowls well.—IDA TILSON, of the Minnesota Institute Corps, West Salem, Wis.

We guarantee Prussian Poultry Food to give satisfaction or money refunded. Full directions on each package. Price 25c. and 50c. pkg. 25 lb. pail, \$3.50 nearly, **10,000 FEEDS.**

DON'T FEED LICE

Hens cannot feed lice and feed you. Use Prussian Lice Killer. Cheap, Sure.

WHAT IS PRUSSIAN LICE KILLER?

The Prussian Lice Killer is a liquid compound for the use of the poultry keeper for the destruction of all vermin and the cure of all skin diseases of fowls. It is easily applied. All that is required is to spray or paint the perches, nest boxes, drop boards, and inside walls of their houses or shelters with the Killer and the lice, mites, etc. The Prussian Lice Killer is a killer that kills. It does not merely make sick. It not only kills instantly all vermin with which it comes in contact, but a board painted with it proves an effective "dead line" which the pests cannot cross until the strength has evaporated.

POULTRY HOUSE WAS ALIVE WITH LICE.

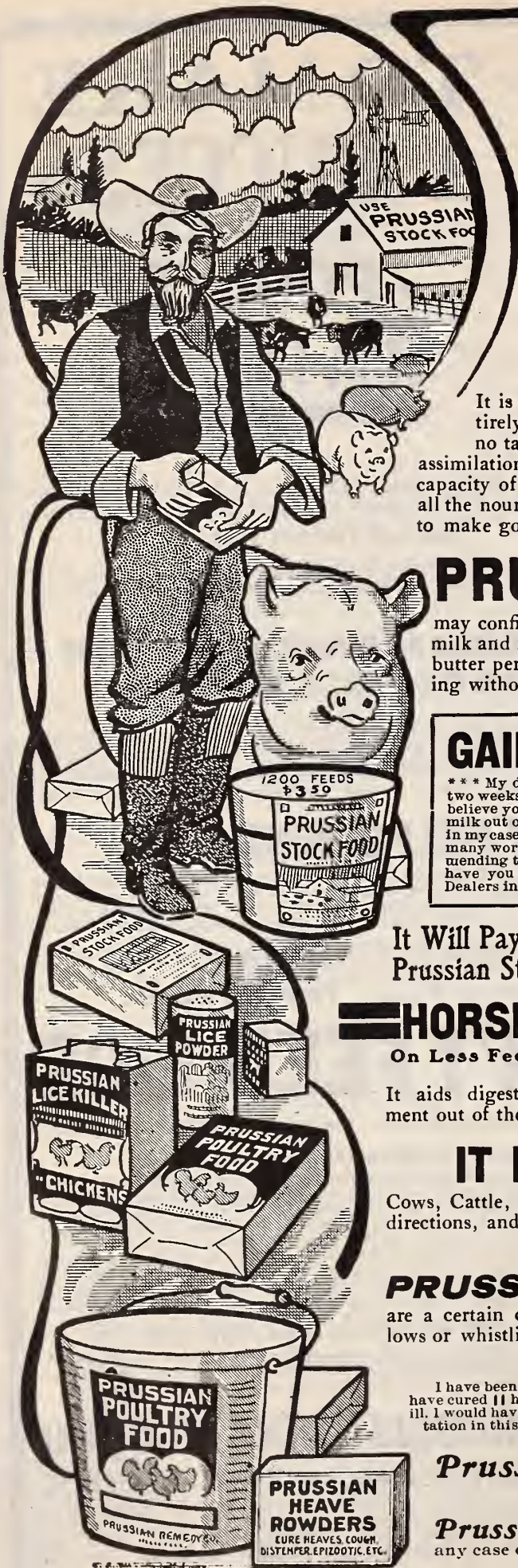
Albert Blocker, of Chanhassen, Minn., bought 1 can of Prussian Lice Killer from Chas. Lohmen and used it thoroughly, and cleaned his poultry house entirely free from lice and mites. Before using, the poultry house was alive with red lice and mites.

Use PRUSSIAN KNAPO-CURO BEST DISINFECTANT AND ANTISEPTIC

for all purposes, Poultry Yards, Stables, Hog Pens, etc. Effectual, Non-poisonous and Cheap. Quart cans, 50c; Half Gallons, \$1.00. One quart will make 25 Gallons **Strong Disinfectant Ready For Use. Try It.**

PRUSSIAN SHEEP DIP, A safe, cheap and effectual dip. 1 gallon makes 100 gallons ready for use. Costs \$1.50. Send for our pamphlet, "Hints on Live Stock Dipping"—FREE. Prussian Remedy Co., St. Paul, Minn.

HARMON & HARRIS CO., N. E. Agents, PORTLAND, ME.



MAKE YOUR DAIRY PAY!

BY REGULAR USE OF PRUSSIAN STOCK FOOD

It is especially adapted for use in feeding milch cows. It is entirely free from all hurtful or deleterious substances; there will be no tainted milk when it is used. It not only aids digestion and assimilation but keeps her in prime condition, enabling her to give full capacity of milk, or to lay on flesh more rapidly and assist it in getting all the nourishment out of her food. It supplies the phosphates necessary to make good rich milk. Dairymen who use

PRUSSIAN STOCK FOOD

may confidently expect very materially larger results in the quantity of milk and its richness in butter fat, thereby increasing the amount of butter per gallon over that secured by the most liberal systems of feeding without its use.

GAIN 400 LBS. OF MILK A DAY

*** My dairy has been running up to a thousand pounds of milk per day and within two weeks after using Prussian Stock Food went up to 14,000 and is keeping it up. I believe your food is profitable investment as a conditioner leaving the increase of milk out of the question. The theory of more milk and less test does not hold good in my case as I have maintained my test fully with the increase of my milk. With so many worthless Stock Foods on the market I take great pleasure in heartily recommending the Prussian Stock Food as being all you claim for it and will be pleased to have you refer to me at any time—John Weltzien & Son, Wholesale and Retail Dealers in Flour, Feed, Coal, etc., Huntley, Ill.

It Will Pay Anyone Owning One Cow or Fifty to Use the Prussian Stock Food. Costs about 18c per month per cow

HORSES WILL DO MORE WORK

On Less Feed when Given Prussian Stock Food Regularly

It aids digestion and assimilation and assists them to get all the nourishment out of their food. It prevents colic and other diseases.

IT IS BEST FOR ALL STOCK

Cows, Cattle, Horses, Mules, Hogs, Sheep. Feed it regular according to directions, and **It Pays.** 25-lb. pails, 1200 Feeds, \$3.50; Pkg. 50c, \$1.00

PRUSSIAN HEAVE POWDERS

are a certain cure for heaves. Guaranteed to cure any case, except Bel-lows or whistling heaves, which cannot be cured, but relieved. Pkg. 50c

CURED 34 HORSES

I have been using the Prussian Heave Powders the past eight months and in that time have cured 11 horses of heaves, 14 of distemper and 9 of chronic cough. Had I not been ill, I would have had more to report. Your Prussian Remedies have gained a great reputation in this section.—Ernst Behneke, Newark, N. Y.

Prussian Colic Killer Kills Colic Quick
50c and \$1.00 per bottle.

Prussian Spavin Cure Cures
any case of Spavin than can be cured. \$1.00 per bottle.

Prussian Cough and Distemper Cure, A certain cure for and preventive for Cough and Dis-temper, Pink Eye, etc. 50c per Pkg.

Prussian Barbed Wire Liniment Heals sores, cuts, etc., made by wire, etc. Heals quickly and leaves no scar. 50c and 75c. Prussian Remedy Co., St. Paul, Minn.

HARMON & HARRIS CO., N. E. Agents, PORTLAND, ME.



No. 2, 220-Egg Incubator.

A Few Reasons Why You Should Purchase Cyphers Incubators and Brooders From Us

We save you freight, inasmuch as we sell to you at factory prices f. o. b. Portland, Me. Should you purchase the same goods of the factory, the freight in every instance would add greatly to the cost of the goods. We carry samples in stock at all times. You can, if you wish, call and see samples before placing your order. Do your business face to face with us and not rely upon correspondence with dealers whom you do not know, hundreds of miles away.

We are thoroughly reliable, and if we secure your business on incubators and brooders shall wish to have your business on poultry supplies, which follow the successful use of the incubators and brooders we are agents for, and we shall naturally use every endeavor to make you a satisfied customer.

If you are further interested in incubators and brooders, send 10 cents to pay cost of mailing 230-page, large, main Incubator and Brooder Catalogue, giving full description of the entire line of Cyphers manufactures. 32-page descriptive circular and price-list free.

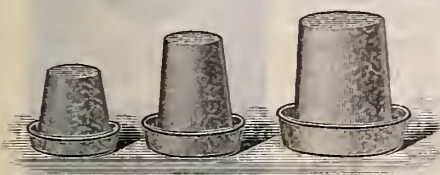
The Cyphers Non-Moisture Incubators

The Celebrated, Genuine, Patented Cyphers Non-Moisture Incubators, of which we are authorized agents, are guaranteed by the manufacturers as follows: To hatch a larger percentage of fertile eggs; to produce larger and more vigorous chicks or ducklings; to operate with less oil and at less expense than any other make of incubator; to require no supplied moisture and to be self-ventilating; to have a more sensitive, accurate and durable regulator than any other make and to maintain a more even temperature; to be more strictly automatic in action and to give better results in your hands than any other make of incubators in the world. Each and every genuine Cyphers Incubator, sold under registered trade-mark, is positively guaranteed to do satisfactory work in the hands of the purchaser who will give it a fair trial, or it can be returned to us within 90 days in good repair, less reasonable wear, and the purchase price will be refunded.

We, as agents for the Cyphers Incubators and Brooders, are authorized by the manufacturers to stand back of the foregoing guaranty in every particular and we hereby agree to do so. Under this arrangement, all who purchase of us are insured ample protection. By special arrangement with the manufacturers, we are now in a position to sell Cyphers Incubators f. o. b. cars Portland, Me., at factory prices, as follows:

No. 0, 60-egg size.....	\$12.00
No. 1, 120-egg size.....	17.00
No. 2, 220-egg size.....	24.00
No. 3, 360-egg size.....	30.00

Galvanized Iron Drinking Fountains



One of the most important appliances for use in poultry yards is a truly sanitary drinking vessel. Price, small size, each, 20c.; medium size, each, 25c.; large size, each, 35c.



Style A, Three-Apartment Brooder.

Cyphers Unequaled Apartment Brooders

Cyphers Brooders, like Cyphers Incubators, are correct in principle, durably made out of suitable material, fireproof, guaranteed to be the best brooder on the market, regardless of price.

Style A, Outdoor Brooder. Next to its incubators, Cyphers Company especially prides itself on its Three-Apartment, Style A, Outdoor Brooder, which is pronounced by thousands of users to be the best brooding device invented thus far for indoor or outdoor use. The Style A Brooder is 36 x 60 inches in size, has three apartments: one, under the hover, averaging 90 degrees in temperature; one, outside the hover, averaging 80 to 85 degrees, and a separate apartment averaging 70 degrees. This brooder has a tin roof and is heated by a Cyphers Safety Brooder Stove. It is wind-proof and storm-proof, and will last many years with reasonable care.

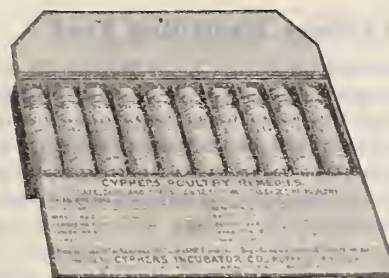
Style B, Indoor Brooder, standard size, 36 inches square, for indoor use exclusively. Has two apartments, one warmer than the other, the chicks being at liberty to go from one to the other at will.

Cyphers Sectional Brooders. We supply these in three sizes, two-section, three-section and four-section. Each section is standard size and suitable for 100 newly-hatched chicks.

Like the Cyphers Incubators, we are able to offer the Cyphers Brooders at factory prices f. o. b. cars Portland, Me., as follows:

Style A, Outdoor Brooder.....	\$12.00
Style B, Indoor Brooder.....	10.00
Sectional Brooder, 2-section.....	18.00
Sectional Brooder, 3-section.....	23.00
Sectional Brooder, 4-section.....	28.00

Cyphers Poultry Remedies



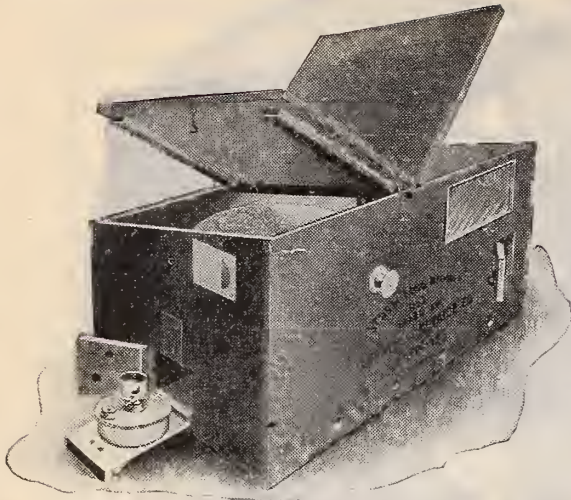
Realizing the constant demand for reliable homeopathic poultry remedies among poultrymen, we have made arrangements with the Cyphers Incubator Company, whereby we are able to supply their entire line of reliable homeopathic remedies for poultry diseases as follows:—

- Remedy No. 1.** For catarrhal colds with rattling in throat.
- Remedy No. 2.** For all sudden colds with sneezing, watery discharge from eyes and nose. Prevents roup.
- Remedy No. 3.** For chicken-pox, bumblefoot, to promote healing of sores. Cures chronic catarrh.
- Remedy No. 4.** For all diarrheas of poultry.
- Remedy No. 5.** For diphtheritic roup and canker.
- Remedy No. 6.** For all forms of indigestion, liver disease, sour crop, crop-bound.
- Remedy No. 7.** For egg-bound. Also for the diseases where there is swelling of the eye with an accumulation of yellow matter under the lids.
- Remedy No. 8.** For rheumatism and cramps.
- Remedy No. 9.** For worms.
- Remedy No. 10.** For soft-shelled eggs, all diseases of egg organs and to correct sterility.

These remedies are put up in tablet form, 100 tablets to a vial. Each label contains full directions for use and the diseases which the remedy will prevent or cure.

Prices, postpaid, single vials 40c. per vial; ten vials assorted in neat, cloth-covered, pasteboard box \$3. Please order by number.

Storm King Brooders



Recognizing the widespread demand for a thoroughly well-made, practical brooder that can be sold at a lower price than the Cyphers standard style "A" Brooder, we have made arrangements with the Cyphers Incubator Co. for the sale of their Storm King Brooder. This is a combined brooder and colony coop, manufactured in two sizes.

The construction of the brooders permits the heating device to be taken out, giving the chicks the entire floor space and making a full capacity cool brooder. When it is time to wean the chicks from the cool brooder and provide them with roosting quarters, the entire floor space of this brooder, together with the lamp slide and other working parts, may be removed and roosts placed on the floor cleats inside the brooder, thus making a well-lighted, well-ventilated colony roosting coop.

While the Storm King Brooder is not for all purposes as serviceable or as satisfactory a brooder as the Cyphers Standard Style "A", we believe that it is more satisfactory than any other low-priced brooder on the market.

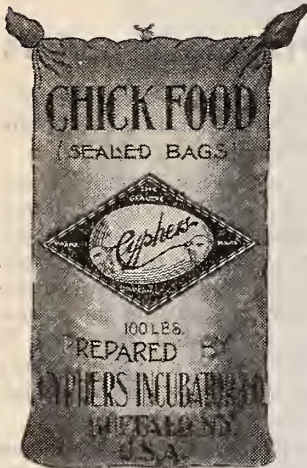
PRICES

No. 1, 24 x 39 inches.....	\$6.00
No. 2, 28 x 45 inches.....	8 00

Cyphers Chick Food

Cyphers Chick Food is a complete, scientifically compounded food for young chicks, and is a mixture of eleven different grains and seeds so proportioned as to meet all the needs of growing chicks and to fully nourish them. In compounding this food the protein (or flesh and muscle forming element) is maintained high, the carbohydrates (or fat and heat forming elements) are reduced to their proper proportions and the ash (or mineral elements) is in sufficient amount to supply the needs of the rapidly growing bird. If chicks are to be developed into breeders, no other food is required for the first eight weeks. This food is put up in sealed bags bearing manufacturer's trade-mark. We are prepared to sell Cyphers Chick Food at factory prices, f. o. b. Portland, Me., as follows:

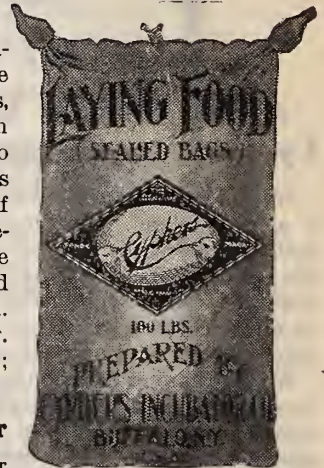
Prices. 50-lb. sealed bags, each, \$1.50; 100-lb. sealed bags, each, \$2.50.



Cyphers Laying Food

Cyphers Laying Food is the best balanced ration from which to make the morning mash, whether for pullets, hens, ducks, turkeys or geese. It is made from the best selected grains and contains no oat hulls or waste. The makers of this food manufacture nothing in the way of foods except poultry foods, and consequently have no by-products as is the case with other manufacturers. Put up in sealed bags bearing manufacturer's trade-mark. Full directions for feeding in every bag.

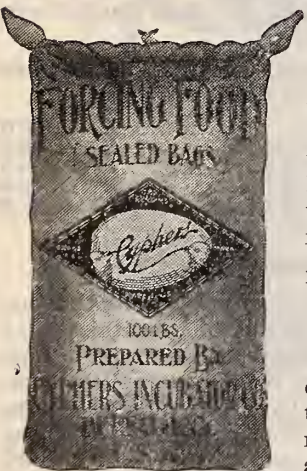
Prices. 50-lb. sealed bags, each, \$1.15; 100-lb. sealed bags, each, \$2.00.



Cyphers Short Cut Screened Clover

This is the standard green food for winter egg production and is guaranteed 95 per cent. pure clover. The clover is reduced to one-quarter inch lengths and contains no dirt, dust or other waste material. The entire clover plant, stalks, leaves, blossoms, all reduced to edible lengths, is contained in this food. Put up in sealed bags bearing manufacturer's trade-mark. Directions for feeding in every bag.

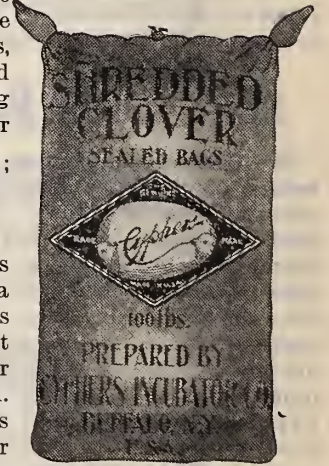
Prices. 50-lb. sealed bags, each, \$1.00; 100-lb. sealed bags, each, \$1.75.



Cyphers Forcing Food

Where very rapid growth is required, as in growing broilers or roasters, a highly concentrated food can be fed, and for this work we recommend Cyphers Forcing Food. Put up in sealed bags bearing manufacturer's trade-mark. Directions for feeding in every bag.

Prices. 50-lb. sealed bags, each, \$1.15; 100-lb. sealed bags, each, \$2.00.



Cyphers Shredded Clover

This is manufactured to meet the needs of poultrymen who desire a green food a little finer than cut clover and not so fine as clover meal. It resembles shredded wheat in texture and contains the entire clover plant—stalks, leaves, blossoms and all. Guaranteed 95 per cent. pure clover and is a highly digestible form of green food for use in the mash. Put up in sealed bags bearing manufacturer's trade-mark. Directions for feeding in every bag.

Prices. 50-lb. sealed bags, each, \$1.00; 100-lb. sealed bags, each, \$1.75.

Cyphers Scratching Food

In combining grains to be used as an exercise food scattered in the pens to make the hens work for what they get, it will not do to make up a random assortment of any material available. As the Scratching Food is not supposed to be scattered before half-famished birds that will gladly eat almost anything, it must be composed of material that will be considered with special favor by the hens, something, in fact, that their systems crave. There must be a strong inducement for a well-fed hen to work for every morsel of this food and at the same time it must be composed of such material as will not defeat the purposes of the balanced foods they get in their regular ration. In this Scratching Food we have exactly filled these requirements. A little of this food scattered in the litter will quickly start them scratching, which means healthy fowls, full of vigor and vitality, and a full egg basket of hatchable eggs. Put up in sealed bags bearing manufacturer's trade-mark.

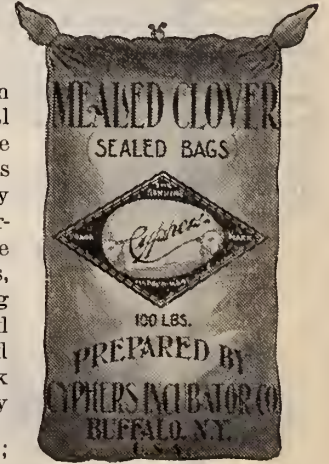
Prices. 50-lb. sealed bags, each, \$1.15; 100-lb. sealed bags, each, \$2.00.



Cyphers Mealed Clover

This is the best form of clover for use in the mash food for small chicks, the meal being ground just sufficiently coarse to give bulk to an otherwise soggy mash and thus allow the gastric juices to become quickly mixed with the food and to assist in thoroughly digesting it. It contains the entire clover plant, stalks, leaves and blossoms, nothing being removed. High in feeding value and economical to use. Guaranteed 95 per cent. pure clover. Put up in sealed bags bearing manufacturer's trade-mark and seal. Directions for feeding in every bag.

Prices. 50-lb. sealed bags, each, \$1.10; 100-lb. sealed bags, each, \$2.00.



Napcreol

A concentrated preventive of disease. Guaranteed to do the work.

It is unexcelled for disinfecting poultry houses and runs, stables, dog kennels, toilets or any places where a good germ destroyer is needed. One gallon will make 100 gallons of disinfectant. Napcreol is a good, reliable remedy for all germ diseases affecting poultry. Destroys disease germs, mange, fleas, lice, mites, ticks and worms. Useful for horses and cattle, dogs, cats and other pet animals; an ideal disinfectant and deodorant. Napcreol is put up in half-gallon and gallon cans. Full directions for use on each package.

Prices, half-gallon can, 85c.; gallon can, \$1.50.



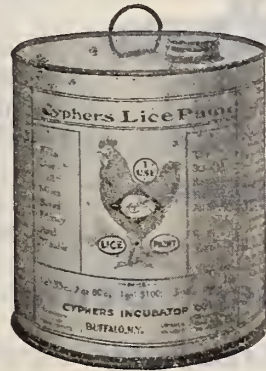
Cyphers Lice Paint

A dead sure liquid lice killer for poultry or stock.

Cyphers Lice Paint is a scientifically compounded preparation for use in killing lice, mites and other parasites on fowls, and which also does excellent execution of lice and ticks on sheep, hogs, horses and cattle.

How It Works. The vapor which arises from Cyphers Lice Paint is what does the work. This vapor is not injurious to fowls or human beings, but is sure death to lice, mites and other insect pests. It is easy to use, and when sprayed on roosts and dropping boards works while the fowls sleep.

Prices, 1-qt. can, 35c.; 2-qt. can, 60c.; 1-gal. can, \$1.00.



Full-Nest Egg Food Makes Hens Lay

Everybody wants eggs when prices are high. You can get them by using Full-Nest Egg Food. An increase of eight eggs a month will pay for a 42-ounce package of Full-Nest Egg Food, which will bring you many times that number of extra eggs. You can get a nestful of eggs every day in winter by using Full-Nest Egg Food. Try it, get more eggs and be convinced. 42-oz. package 25c.

Cyphers Roup Cure

Roup is the most common, next to cholera the most deadly, disease affecting poultry. Every poultryman should take precautions to safeguard his flock against this dread disease. Roup is a contagious, catarrhal disease caused by a specific germ, and may attack any flock. It usually follows simple, neglected colds. There is a discharge from the nostrils and eyes which has a foul odor; whenever this "roup smell" is present, there roup exists. Cyphers Roup Cure is positively guaranteed by its manufacturers to cure roup in all its forms. It is simply put in the drinking water and the chicken takes its own medicine. It prevents

colds, and is unequalled for canker, especially in pigeons.

Price, small-sized package, makes 25 gallons of medicine, 50c. postpaid; large-sized package, makes 75 gallons of medicine, \$1 postpaid.

Cyphers Lice Powder

This powder is not a lice driver, but a lice killer. In offering Cyphers Lice Powder we present a powder that we believe to be stronger than any other preparation sold for the purpose. It is carefully compounded and contains no chemicals that will injure young chicks or the fertility of the eggs. Clean to handle and easy to apply. Positively will kill lice on poultry, cattle and horses, ticks on sheep and fleas on dogs. Can be used on plants and bushes as a protection against bugs and lice; as an insecticide it is without a peer. A trial package will convince you.

	Price	Price
5-oz. package (trial size)...	\$0.10	postpaid... \$0.15
15-oz. box.....	.25	postpaid... .40
45-oz. box.....	.50	postpaid... 1.00
100-oz. package, by express.....		1.00



Sanitary Self-Feeding Boxes

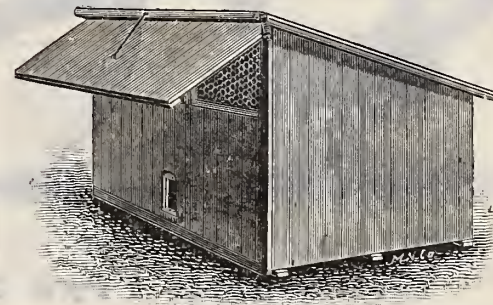
These boxes are manufactured from the best galvanized iron and contain three compartments for food, shells or grit. They can be hung against the wall at any height desired, are practically indestructible and will last a lifetime. Price, each, 50c.



Cyphers Chick Shelter

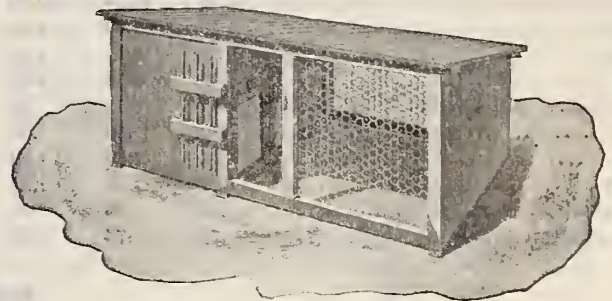
Is a protected, wire-inclosed outdoor run for small chicks for use with an outdoor brooder. It is a necessity in raising chicks on the city lot or village half-acre and a great convenience and safeguard on the farm. Shipped knock-down to secure low freight rate. Price, small size, 3 ft. x 6 ft., \$4; large size, 3 ft. x 12 ft., \$7.

Cyphers Colony Houses



The Cyphers Colony House or roosting coop is 3 ft. x 6 ft. in size, 36 inches high in front and 24 inches high in back. Each coop is well made, has a strong, dry floor and a hinged hood that keeps out rain and snow during stormy weather and may be folded back upon the roof to admit sunshine.

These coops are durably built and provide a safe home for growing birds, where they will be safe against attacks of all four-footed enemies. Price f. o. b. Portland, \$8; f. o. b. Buffalo, \$7.



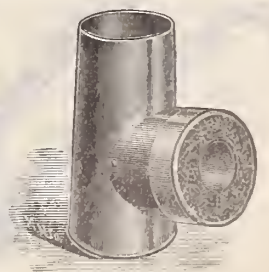
Cyphers New Model Brood Coop

Is intended for a hen with chicks, but it may be used as a home for the chickens long after they are weaned. These coops are 4 feet 6 inches wide, 2 feet deep, 1 foot 9 inches high in front and 1 foot 3 inches high at the rear. They have two compartments, a closed or house part and a wire-inclosed shelter or exercise room. The house part is 1 foot 9 inches by 2 feet and is provided with a removable floor, and is separated from the exercise room by a wooden partition, with a galvanized wire cloth window and door, which admit light and air. Price, each, \$3.

Cyphers Egg Testers



Cyphers Practical Egg Tester.



Cyphers X-Ray Egg Tester.

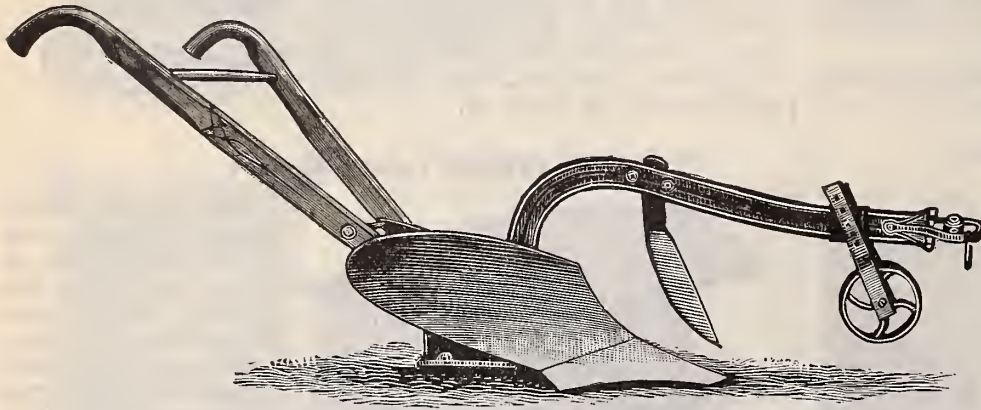
We offer two styles, Cyphers Practical Egg Tester and Cyphers X-Ray Egg Tester. The Practical Egg Tester consists of a box 13 inches high, 10 inches wide, 10 inches deep, equipped with a lamp, strong reflector and testing tube. Price, each, \$1. The X-Ray Egg Tester is designed for use on any ordinary hand lamp. Price, each, 25c.; postpaid, 35c.

The Plow of To-day

The Isaiah Frye Ideal Steel Beam Plows

Unsurpassed by any Plow on the Market

These Plows have been constructed with special reference to obtaining the greatest strength with the lightest draft. No stronger or lighter Plows of equal capacity are made in the United States. The extra long moldboards, with a gradual turn, throw the furrow flat without breaking, also lessen the draft about one-third. The wide point and long landside, with wide false shoe, give the plow a firm bottom, which enables it to go in smooth work without holding. **Our motto: Easy work for man and beast.** The jointers are made of solid steel, and by being reversible last twice as long. They are only furnished on plows when so ordered, the price being no more than with the straight cutter. One extra point supplied with each plow.



No. 48. Steel Beam Plow

Size, light two-horse. Capacity, 5 to 7 inches deep, 12 to 14 inches wide. Write for prices.

No. 55. Steel Beam Plow

Size, medium two-horse. Capacity, 6 to 8 inches deep, 14 to 16 inches wide. Write for prices.

No. 65. Steel Beam Plow

Size, two or three-horse. Capacity, 7 to 9 inches deep, 16 to 18 inches wide. Write for prices.

No. 65 Special. Extra heavy steel beam, for three or four-horse use. Price on application.

No. 70. Steel Beam Plow

Size heavy four-horse. Capacity, 8 to 10 inches deep, 18 to 20 inches wide. Write for prices.

The Isaiah Frye Steel Beam Plows

Price-List of Extra Parts

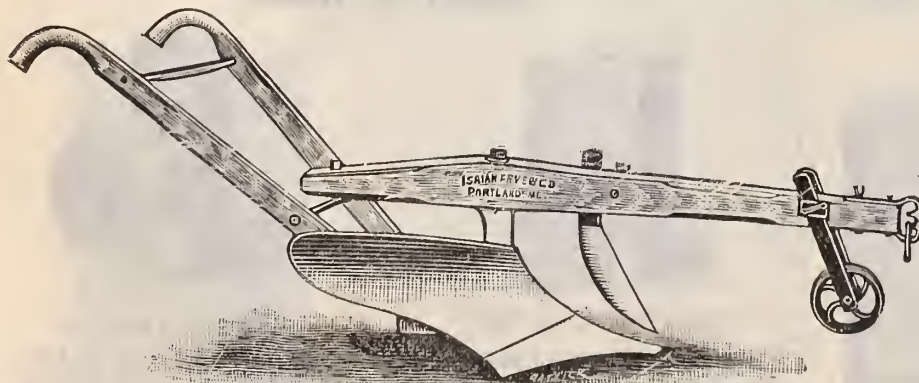
	No. 48	No. 50-55	No. 60-65	No. 70		No. 48	No. 50-55	No. 60-65	No. 70
Moldboards.....	\$3.25	\$3.50	\$4.00	\$5.50	Cutter jointer clasp.....	\$0.40	\$0.40	\$0.40	\$0.40
Landsides.....	1.50	1.50	1.50	2.00	Wheels, plain.....	.40	.40	.40	.40
Headers.....	1.25	1.25	1.25	1.25	Wheels, complete.....	1.00	1.00	1.00	1.00
Beams.....	3.25	3.50	3.50	4.00	Wheel straps, each.....	.30	.30	.30	.30
Points.....	.50	.50	.50	.70	Three-horse clevis, complete.....	.85	.85	.85	.85
Shoes.....	.50	.50	.50	.50	Three-horse clevis, plain.....	.75	.75	.75	.75
Cutters.....	1.25	1.50	1.50	1.50	Two-horse clevis, complete.....	.60	.60	.60	.60
Jointers.....	1.50	1.50	1.50	1.50	Two-horse clevis, plain.....	.50	.50	.50	.50
Jointer standards.....	.65	.85	.85	.85	Handles, per pair.....	1.30	1.30	1.30	1.50
Jointer steels.....	.75	.75	.75	.75	Steel points.....	2.50	2.50	2.50	3.00

Miscellaneous Parts

Beam ends.....	\$0.40	Handle rounds.....	\$0.05
Bolts.....	.04	Malleable washers.....	.05
Clevis links.....	.10	Malleable wrenches.....	.15
End clevis.....	.15	Wheel strap buttons, per pair.....	.30

The Isaiah Frye Wood Beam Steel Plows

The Isaiah Frye Wood Beam Steel Plows are made of the best steel, white and red oak, and are put together by experienced workmen. They have a curved standard, which does not clog, and enables the user to land the plow according to the team in use, either two or three horses abreast, always drawing from the center, doing away with all side draft and holding with perfect ease. The moldboards are long and high with a perfect turn. The long landsides and wide points give these plows a good bottom, making them set up square.



No. 10. Wood Beam Steel Plow

Size, large one-horse. Capacity, 4 to 6 inches deep, 8 to 12 inches wide. Write for prices.

No. 20. Wood Beam Steel Plow

Size, small two-horse. Capacity, 5 to 7 inches deep, 10 to 15 inches wide. Write for prices.

No. 25. Wood Beam Steel Plow, New Pattern

Size, medium two-horse. Capacity, 6 to 8 inches deep, 14 to 16 inches wide. Write for prices.

No. 30. Wood Beam Steel Plow

Size, medium two-horse. Capacity, 6 to 8 inches deep, 14 to 16 inches wide. Write for prices.

Save money. Use Hubbard's Fertilizers. See inside back cover page

The Isaiah Frye Wood Beam Steel Plows—Continued

No. 35. Wood Beam Steel Plow, New Pattern

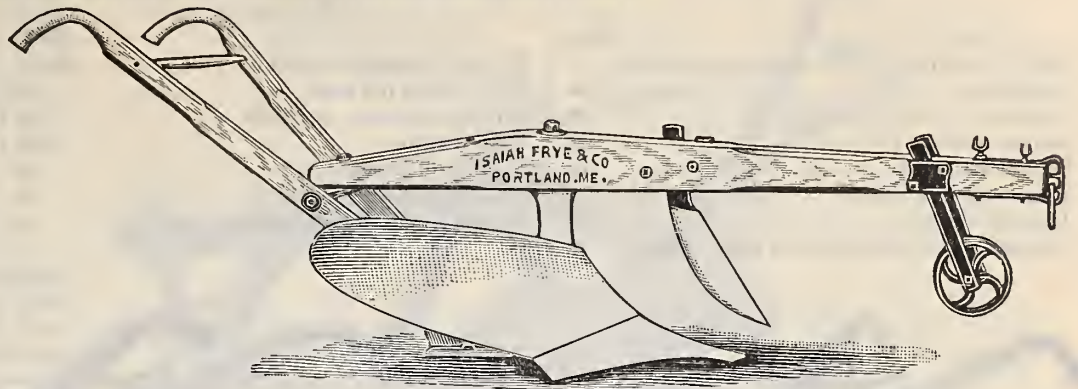
Size, large two-horse. Capacity, 7 to 9 inches deep, 15 to 17 inches wide. Write for prices.

No. 40. Wood Beam Steel Plow

Size, three or four-horse. Capacity, 8 to 10 inches deep, 17 to 20 inches wide. Write for prices.

No. 45. Wood Beam Steel Plow

Size, six-horse. Capacity, 10 to 12 inches deep, 20 to 24 inches wide. Write for prices.



Price-List of Extra Parts of the Isaiah Frye Wood Beam Steel Plow

	No. 10	No. 20	No. 25	No. 30	No. 35	No. 40	No. 45		No. 10	No. 20	No. 25	No. 30	No. 35	No. 40	No. 45
Moldboards.....	\$2.75	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$5.00	Cutters.....	\$1.25	\$1.25	\$1.25	\$1.50	\$1.50	\$1.50	\$1.75
Landsides.....	1.25	1.50	1.50	1.50	1.50	1.50	2.00	Cutter clasps.....	.40	.40	.40	.40	.40	.40	1.00
Standards.....	1.75	2.25	2.25	2.25	2.25	2.25	2.50	Points.....	.50	.50	.50	.50	.50	.65	.75
Wood beams.....	1.50	1.50	1.50	1.50	1.65	1.75	2.00	Shoes.....	.50	.50	.50	.50	.50	.50	.60
Handles, per pair..	1.10	1.30	1.30	1.30	1.30	1.50	1.50	Clevises.....	.50	.60	.60	.60	.60	.60	1.00
Steel points.....			2.50	2.50	2.50	3.00	3.50	Wheels.....	.40	.40	.40	.40	.40	.40	.40

MISCELLANEOUS PARTS

	Each		Each		Each
Chafe iron.....	\$0.15	Plow rods, 17½ x ¾.....	\$0.50	Plow rod hooks.....	\$0.10
Clevis link.....	.10	Plow rods, 18 x ¾.....	.50	Wheel straps, complete, per pair.....	.60
Clevis pin.....	.10	Plow rods, 17 x ¾.....	.50	Wheel strap buttons, per pair.....	.30
Handle rounds.....	.05				

Isaiah Frye Wood Beam Chilled Plows

These plows are made similar to the Steel Plows. The moldboard is bolted to the standard instead of both being cast in one piece. If one is broken it is not necessary to buy both to make the plow good. These Chilled Plows have curved standards, shifting beams and draw from the center. Steel points, moldboards and landside will fit, giving the user the privilege of having a steel plow any time he chooses.

No. 0. Small one-horse. Capacity, furrowing. Write for price.

No. 10. Medium one-horse. Capacity, 4 to 6 inches deep, 4 to 10 inches wide. Write for price.

No. 20. Small two-horse. Capacity, 5 to 7 inches deep, 13 to 15 inches wide. Write for price.

No. 30. Medium two-horse. Capacity, 6 to 8 inches deep, 14 to 16 inches wide. Write for price.

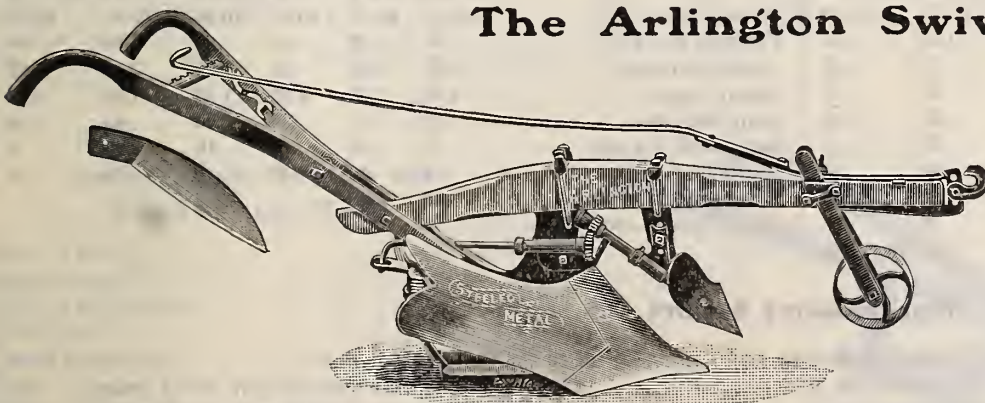
Price-List of Extra Parts

	No. 0	No. 10	No. 20	No. 30		No. 0	No. 10	No. 20	No. 30
Moldboards.....	\$1.25	\$1.75	\$2.00	\$2.25	Cutters.....	\$1.00	\$1.25	\$1.25	\$1.25
Landsides.....	.75	.85	1.00	1.10	Cutter Clasps.....	.40	.40	.40	.40
Standards.....	1.50	1.75	2.25	2.25	Handles, per pair.....	1.25	1.25	1.30	1.30
Points.....	.40	.50	.50	.50	Wheels.....	.40	.40	.40	.40
Beams.....	1.50	1.50	1.50	1.50	Clevises.....	.50	.60	.60	.60

MISCELLANEOUS PARTS

	Each		Each		Each
Clevis pin.....	\$0.10	Plow rods, 17½ x ¾.....	\$0.50	Plow rod hooks.....	\$0.10
Clevis link.....	.10	Plow rods, 18 x ¾.....	.50	Wheel straps, complete, per pair.....	.60
Chafe iron.....	.15	Plow rods, 17 x ¾.....	.50	Wheel strap buttons, per pair.....	.30
Handle round.....	.05				

The Arlington Swivel Plow



No. 27. Small one-horse. Capacity, 4 to 6 inches deep, 8 to 11 inches wide. Price on application.

No. 29. Medium two-horse. Capacity, 5 to 7 inches deep, 12 to 14 inches wide. Price on application.

No. 30. Large two-horse. Capacity, 6 to 8 inches deep, 13 to 16 inches wide. Price on application.

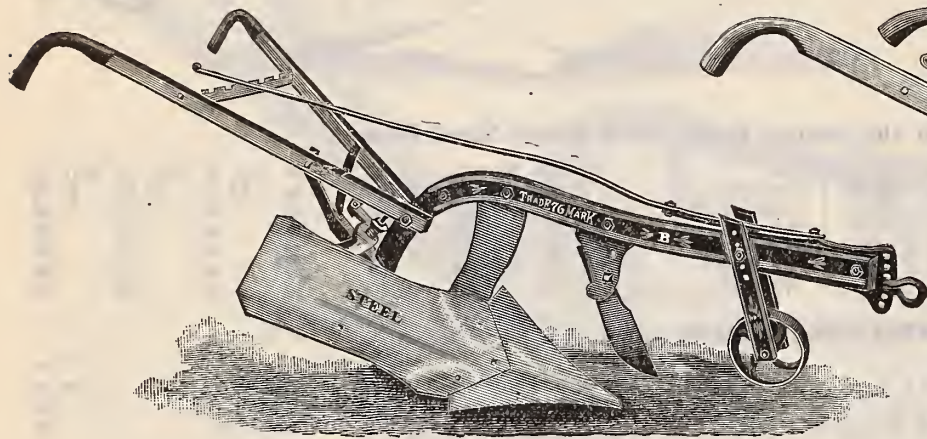
Price-List of Extra Parts

	No. 27	No. 29	No. 30		No. 27	No. 29	No. 30		No. 27	No. 29	No. 30
Points.....	\$0.40	\$0.60	\$0.70	Steel coulters.....	\$0.75	\$1.10	\$1.10	Wheels.....	\$0.40	\$0.40	\$0.40
Moldboards.....	1.50	2.60	3.00	Handles, complete.....	1.50	1.70	1.70	Foot-latch.....	.30	.40	.40
Standards.....	1.25	2.00	2.25	Beams.....	1.25	1.60	1.60	Steel jointed shaft.....		.60	.60
Shoes.....	.35	.50	.50	Clevises, plain.....	.80	.80	.80	Steel jointed shifter.....		.40	.40
Y Braces.....	.30	.35	.35	Clevises, complete.....	1.00	1.00	1.00				

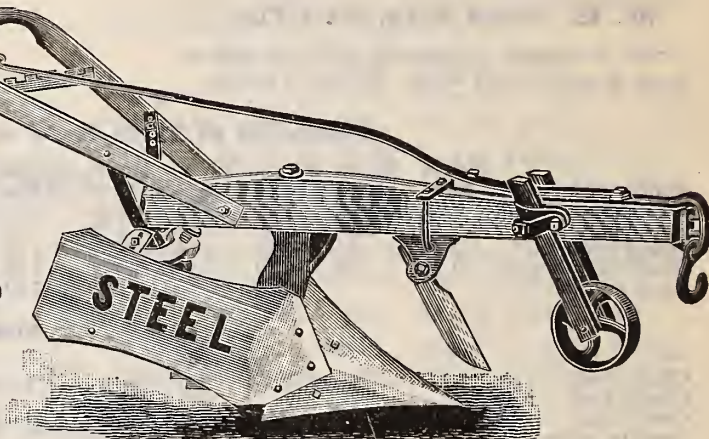
Hubbard's Fertilizers are pure. See inside back cover page

The Arlington Swivel Plow — Miscellaneous Repairs

Rolling coulter, steel, with arbors and washers	Each \$1.50	Key and clasp for coulter.....	Each \$0.40	Set rings for jointer shaft.....	Each \$0.15
Upper or beam shank, Y21.....	.20	Wheel ears, per pair.....	.20	Set rings for jointer shifter.....	.15
Swivel socket, Y22.....	.25	Wheel standards, per pair .....	.40	Gear on jointer shaft.....	.15
Swivel arm, Y18.....	.60	Wheel arbor.....	.10	Gear on jointer shifter.....	.15
Beam clasp, complete .....	.30	Foot-latch crosspiece .....	.20	Upper jointer shank and beam clasp.....	.55
Jointed coulter.....	1.00	Steel spring for foot-latch.....	.10	Lower jointer shank.....	.25
Jointed coulter socket, with beam clasp..	.50	Jointer blade, steeled metal.....	.40	Malleable clevis and shifting lever.....	1.50



76 Steel Beam Swivel Plow.



76 Swivel Plow.

The 76 Swivel Plows

We are agents for the genuine "76" Plows, which have been handled for years by George Tyler & Co., Boston, Mass., who have now gone out of business, and we have recently made arrangements to take the general trade in this section on "76" Plows handled by them. For twenty years the "76" Plow has been made and held the lead as a swivel plow. It is made with steel or hard metal moldboard, shifting clevis and automatic latch. Either rolling coulter, jointer, straight or jointed cutter is furnished as desired. The handles are straight, and are adjustable up or down to accommodate a short or tall person. Connecting the handles to the plow in this way makes the plow hold easier and steadier.

Sizes	Capacity	Price on application.
76 A Wood Beam Steel Moldboard Plow.....	Large two-horse, 6 to 7 inches deep, 14 to 16 inches wide.....	Price on application.
76 B Wood Beam Steel Moldboard Plow.....	Medium two-horse, 5 to 6 inches deep, 12 to 14 inches wide.....	" " "
76 C Wood Beam Steel Moldboard Plow.....	One-horse, 4 inches deep, 10 inches wide.....	" " "
76 A Wood Beam Hard Metal Moldboard Plow.....	Large two-horse, 6 to 7 inches deep, 14 to 16 inches wide.....	" " "
76 B Wood Beam Hard Metal Moldboard Plow.....	Medium two-horse, 5 to 6 inches deep, 12 to 14 inches wide.....	" " "
76 C Wood Beam Hard Metal Moldboard Plow.....	One-horse, 4 inches deep, 10 inches wide.....	" " "

76 A and B Plows made with steel beams, \$2.00 extra.

Price-List of Extra Parts of the "76" Swivel Plow

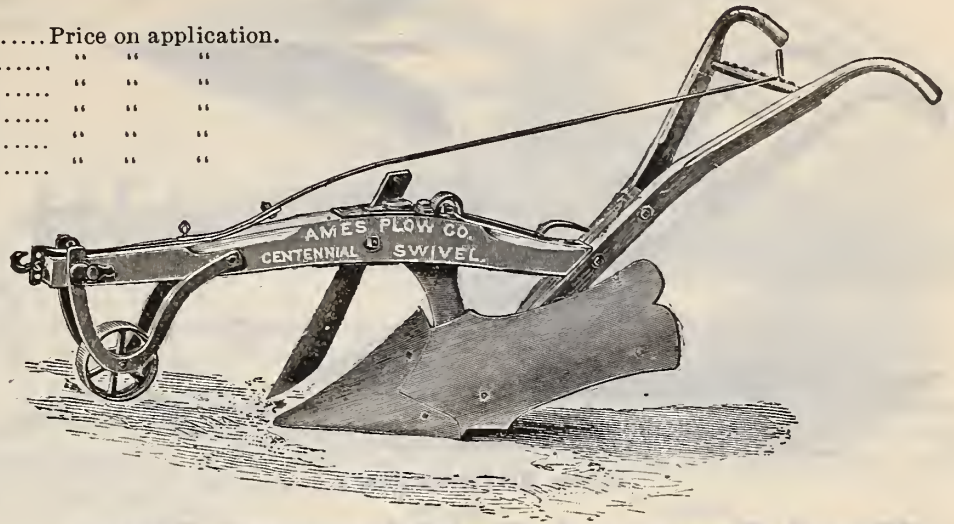
	76 A-S	76 B-S	76 C-S	76A-HM	76B-HM	76C-HM		76 A-S	76 B-S	76 C-S	76A-HM	76B-HM	76C-HM
Moldboards.....	\$4.50	\$4.50	\$3.25	\$2.00	\$1.75	\$1.50	Wheel, plain.....	\$0.40	\$0.40	\$0.35	\$0.40	\$0.40	\$0.35
Standards.....	1.75	1.50	1.25	1.75	1.50	1.25	Frames, per pair.....	.50	.50	.40	.50	.50	.40
Shoe.....	.50	.50	.35	.50	.50	.35	Cutter, straight	1.00	1.00	.85	1.00	1.00	.85
Point .....	.65	.60	.45	.65	.60	.45	Beam, wood.....	1.30	1.30	1.00	1.30	1.30	1.00
Subpoint.....	.50	.50	.45	.50	.50	.45	Arm, for latch.....	.40	.40	.40	.40	.40	.40
Crotch brace.....	.75	.75	.45	.45	.45	.40	Left hook, for arm.....	.10	.10	.10	.10	.10	.10
Steel lever.....	.80	.80	.70	.80	.80	.70	Right hook, for arm.....	.10	.10	.10	.10	.10	.10
Handle support.....	.90	.90	.75	.90	.90	.75	Long part of crotch.....	.40	.40				
Shifting clevis.....	.60	.60	.35	.60	.60	.35	Short part of crotch.....	.25	.25				
Wheel, complete.....	1.25	1.25	1.10	1.25	1.25	1.10							

Miscellaneous Repairs

Shoe, wide for meadow use.....	\$0.75	Rolling coulter, complete.....	\$2.50	Draft hook or link.....	\$0.20
Point, steel-edged.....	2.00	Standard for steel 76 A.....	2.00	Wheel frame clamps, pair, wood beam...	.20
Handle support for steel beam.....	.90	Standard for steel 76 B.....	1.90	Wheel frame clamps, pair, steel beam...	.30
Foot-latch, complete.....	.90	Hinged cutter, complete.....	1.50	Cutter clasp, Mall, all sizes.....	.25
Foot-latch spring.....	.15	Hinged cutter blade.....	.50	Cutter key, Mall, all sizes.....	.10
Foot-latch washer.....	.05	Hinged cutter-holder, wood.....	.70	Handles, per pair, old or new.....	1.00
Jointer, complete.....	1.50	Hinged cutter-holder, steel.....	1.00	Latch lugs, 5 and 6 on steel moldboard,	
Jointer socket.....	.90	Crotch brace rod.....	.25	per pair.....	.40
Jointer Point.....	.50	Notched handle rod.....	.30		

Centennial Swivel Plows

Sizes	Capacity	Price on application.
12, Medium 1-horse.	3-4 inches deep, 8-9 inches wide.....	" " "
13, Heavy 1-horse,	4-5 inches deep, 9-10 inches wide.....	" " "
14, Light 2-horse,	4-6 inches deep, 10-12 inches wide.....	" " "
2, Medium 2-horse,	5-7 inches deep, 12-14 inches wide.....	" " "
3, Heavy 2-horse,	6-8 inches deep, 13-15 inches wide.....	" " "
4, 4-horse,	8-10 inches deep, 14-16 inches wide.....	" " "



These plows have been awarded more premiums at the New England Society field trials the past six years than all other kinds together. The objects which have been in view in producing these plows and which are conspicuous in their construction have been accomplished beyond a doubt, as has been proved by the many thousands which have been sold.

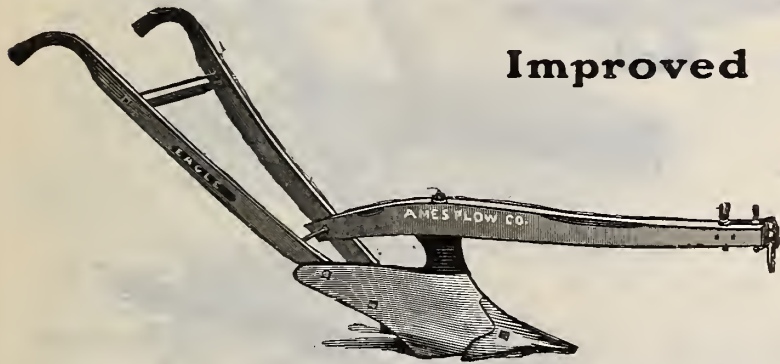
Price-List of Extra Parts

	No. 12	No. 13	No. 14	No. 2	No. 3	No. 4		No. 12	No. 13	No. 14	No. 2	No. 3	No. 4
Moldboard.....	\$2.25	\$2.35	\$2.40	\$2.50	\$3.00	\$3.50	Point.....	\$0.40	\$0.45	\$0.50	\$0.55	\$0.65	\$0.90
Standard and shoe....	1.50	1.75	2.00	2.25	2.50	3.25	Beam.....	1.25	1.40	1.50	1.50	1.75	2.25
Shoe.....	.35	.35	.40	.40	.45	.55	Handles, per pair.....	1.10	1.30	1.30	1.30	1.30	1.50
Dog.....	.35	.35	.45	.50	.50	.55							

MISCELLANEOUS REPAIRS

Dog hook.....	\$0.25	Clevis head W.....	\$0.65	Cutter lever.....	\$0.60
Mold hook.....	.40	Clevis lever.....	.60	Cutter beam plate.....	.20
Foot-latch.....	.40	Wheel, complete.....	1.00	Clevis hook Z.....	.25
Foot-latch spring.....	.15	Wheel only.....	.40	Handle brace Y1.....	.50
Foot-latch standard.....	.50	Cutter, steel.....	1.50		

Improved Eagle Chilled Plows



Price-List

Sizes	Price on application
40, Light 1-horse.....	" " "
41, Medium 1-horse.....	" " "
45, Large 1-horse.....	" " "
46, Medium 2-horse.....	" " "
47, Large 2-horse.....	" " "
T3, 3-horse.....	" " "

Price-List of Extra Parts

	No. 40	No. 41	No. 42	No. 45	No. 46	No. 47	No. T3	No. 0	No. 00	No. B1	No. A2
Moldboard.....	\$1.25	\$1.35	\$1.75	\$1.50	\$2.00	\$2.25	\$3.00	\$1.25	\$1.50	\$2.00	\$2.50
Landside.....	.40	.50	.50	.60	.65	.85	1.00	.30	.40	.50	.75
Point.....	.25	.30	.45	.45	.45	.45	50	.40	.40	.50	.75
Beams.....	1.25	1.25	1.25	1.25	1.50	1.50	1.75	1.25	1.25	1.50	1.75
Handles, per pair.....	1.10	1.10	1.10	1.10	1.30	1.30	1.30	1.10	1.10	1.30	1.30
Dog.....								.35	.40	.50	.50
Standards.....								1.00	1.50	1.75	2.50

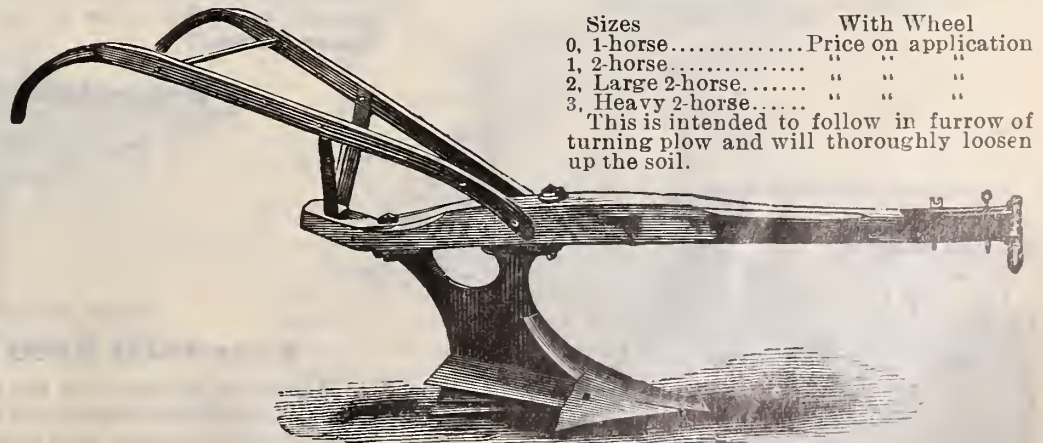
MISCELLANEOUS REPAIRS FOR EAGLE CHILLED PLOWS

Clevis, 1-horse.....	\$0.35
Clevis, 2-horse.....	.40
Clevis, 3 and 4 horse.....	.50
Clevis link.....	.10
Wheel, complete.....	1.00
Wheel.....	.40
Handle round.....	.10
Handle rod.....	.15
Handle brace.....	.50
Dog hook.....	.25
Moldboard hook.....	.40
Cutter, steel.....	1.25

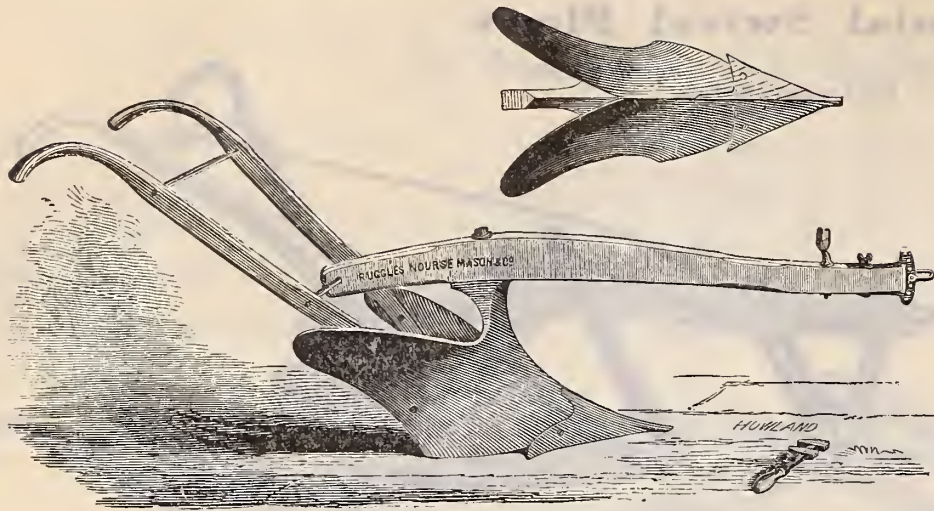
Subsoil Plow

Sizes	With Wheel	Price on application
0, 1-horse.....	" " "	" " "
1, 2-horse.....	" " "	" " "
2, Large 2-horse.....	" " "	" " "
3, Heavy 2-horse.....	" " "	" " "

This is intended to follow in furrow of turning plow and will thoroughly loosen up the soil.



Subsoil Plow

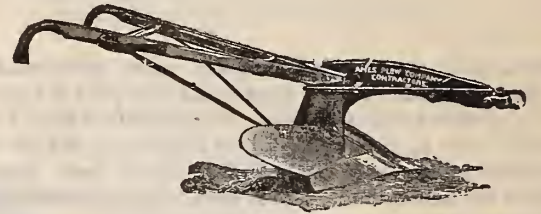


Double Moldboard Plow.

Double Moldboard Plow

Size
 1 1/4, light one-horse, plain or with wheel.. } Price on
 1 1/2, medium one horse " " " " } application.
 2, light two-horse, " " " " }

Used for opening drills, will plant potatoes and corn, plowing out between narrow rows, doing work of two plows as it throws the dirt both ways.



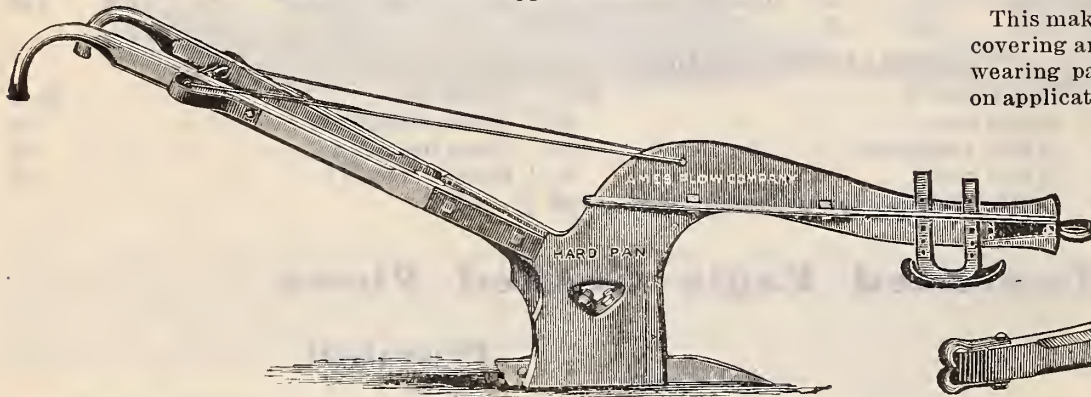
Contractors' Road Plow

Price on application.

Hard Pan and Cobblestone Plow

It has been recently perfected for special use of contractors in tearing up cobblestones and macadam pavements.

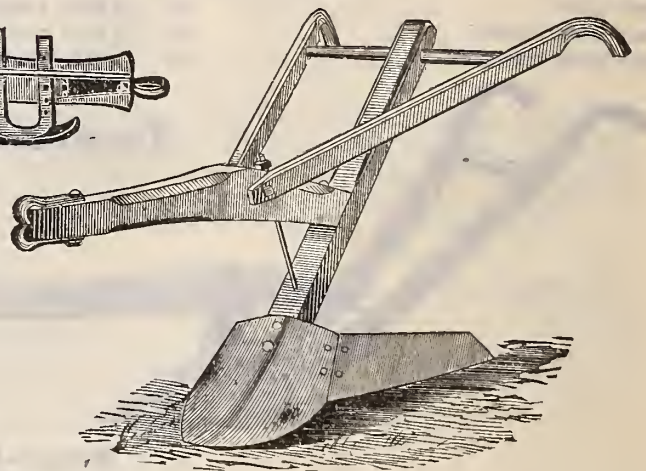
The point is a straight bar of tool steel drawn down at the point, and can be easily repaired by any blacksmith. Price on application.



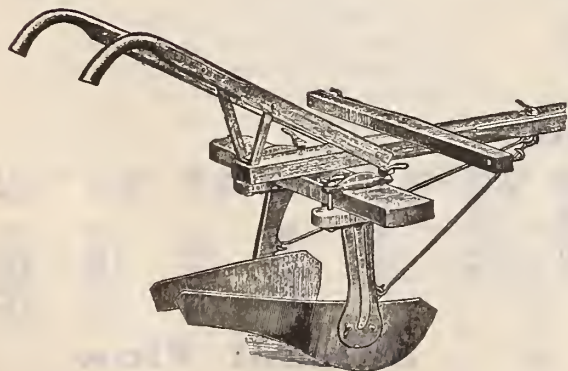
Hard Pan Plow.

Shovel Plow

This makes a very light and strong tool for furrowing, covering and hilling. It has steel wings and point. The wearing parts are easily replaced at small cost. Price on application.



Shovel Plow.



Horse Hoe.

Isaiah Frye New Model Steel Horse Hoe

The simplest, strongest, lightest and best made Horse Hoe on the market. The frame is made of red and white oak, the wings are polished steel. It can be readily changed to furrow, cover or hoe. Also made with Extension Wings like the Hussey Pattern.

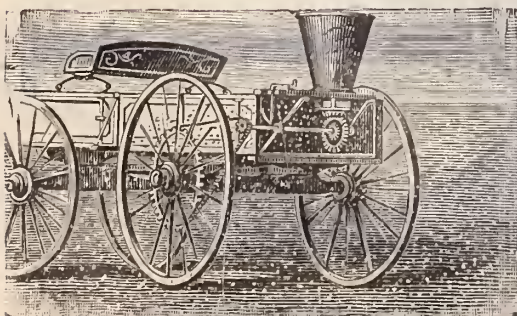
Price-List of Extra Parts

Bolt.....	\$0.04	Handle brace.....	\$0.50
Bolt and thumb nut.....	.08	Handle round.....	.05
Clamp.....	.15	Pads, per pair.....	.40
Cross bar.....	.50	Pole.....	1.25
Draft rod.....	.25	Standard.....	.75
Draft rod hook.....	.15	Whiffletree hooks, per pair.....	.35
Evener.....	.35	Wings, steel, each.....	2.90
Handles, each.....	.40	Wrench.....	.60

Broadcast Seed and Plaster Sower

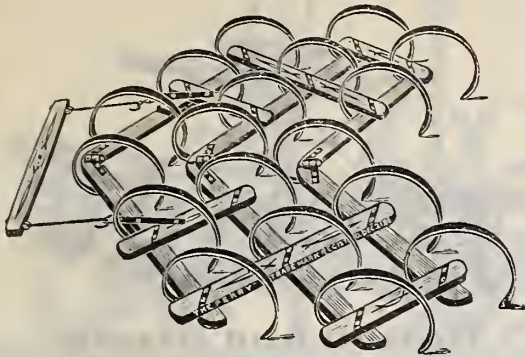
From 50 to 70 acres can be sown with one team in a day.

Wheat, oats, rye, barley, buckwheat and every variety of grain requiring broadcasting can be sown with this machine; also, with care, plaster, lime, salt, guano, and all the various phosphates and fertilizers. It can be attached to any ordinary farm wagon. It throws a double or single cast as required. Inquire for prices.



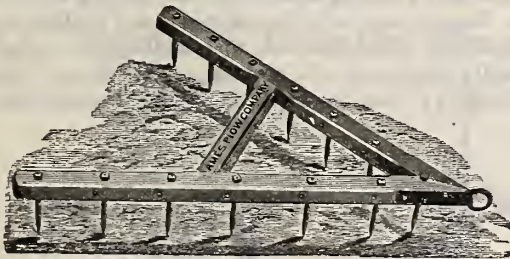
Mohawk Riding Spring Tooth Harrow

Fifteen-tooth steel frame on wheels similar to Reed Harrow. Extra light draft. Good harrow for little money. Price on application.



The Original Perry Harrow

The Wood Frame Perry Harrow is the most durable of spring tooth harrows; the teeth cannot get loose; no levers and joints to wear and get out of repair. Write for prices.



Common A Harrow

Four sizes: 7-tooth, 13-tooth, 15-tooth, 17-tooth.



Thomas Smoothing Harrow

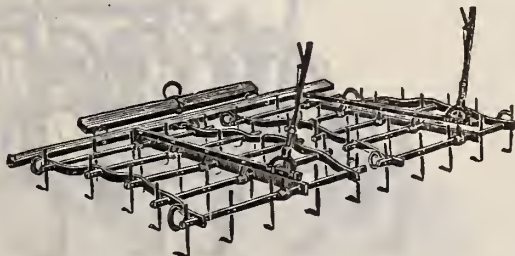
Can be furnished in two and three sections. Price on application.

Standard "U Bar" Spike Tooth Harrow

The teeth are spaced nine inches apart to meet the demand for fine cultivation. All parts are made of the best grades of steel. The tooth clips are malleable and the heads of teeth are swedged.

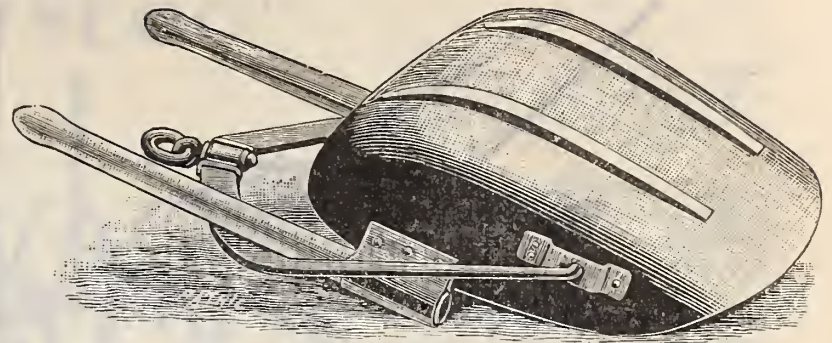
Crescent Spike Tooth Lever Harrow

Frame bars are of "1" steel, and are protected by steel shoes when drawing harrow from field to field. Tooth bars are of two sections of open-hearth Crescent steel, set facing each other, between which the teeth are held by two bolts, one on each side of teeth. The teeth are special High Carbon Steel of finest quality and are adjustable for wear, a point which will be found in few other spike tooth harrows. Price on application.



Root and Brush Puller

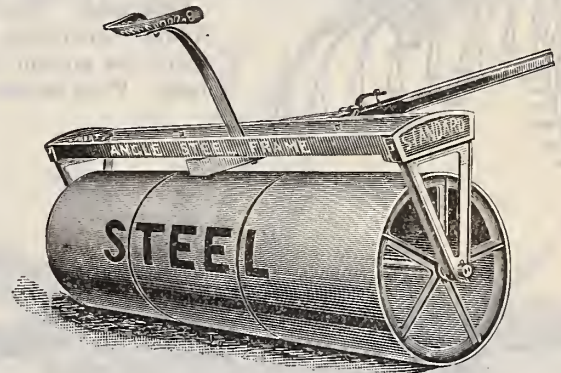
Size	Price
2-prong.....	\$4.50
3-prong.....	5.50
4-prong.....	6.50



Steel Columbia Road Scraper, with Shoes

These scrapers are made from heavy plates of specially hardened steel, and are stamped in one sheet without joint, seam or rivet. Owing to the sharp-rounded nose, they will enter the ground more readily than iron and are always sharp.

No.	Capacity	Weight
1.....	7 cubic feet.....	90 lbs..... Write for price
2.....	5 cubic feet.....	86 lbs..... " " "
3.....	3½ cubic feet.....	75 lbs..... " " "

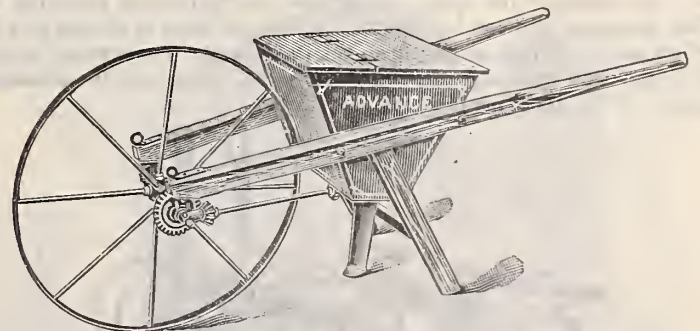


Two Section Pressed Steel Head Roller

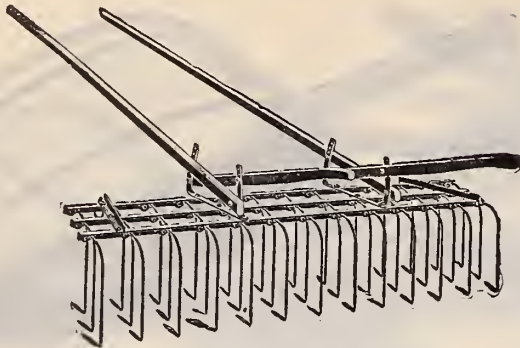
It does most effective clod crushing and leveling. The entire weight of the machine, from driver to neck yoke, is balanced on the main shaft or axle. Thus the horses are not carrying, as with most rollers, a large share of the weight on their necks. It is practically indestructible, a hardened steel rim, rolled and close riveted at the edges. Flexible journal boxes, flexible hangers and the peculiar construction all add to the durability. It has a substantial wood weight box. By this means the rolling weight can be increased to the draft capacity of any ordinary team, or it may be availed of as a most convenient way for clearing fields of loose stone. This roller is now made in two sections, 8 feet long, 26 in. diameter. Price on application.

Advance Fertilizer Drill

Packed Weight, 40 Lbs.

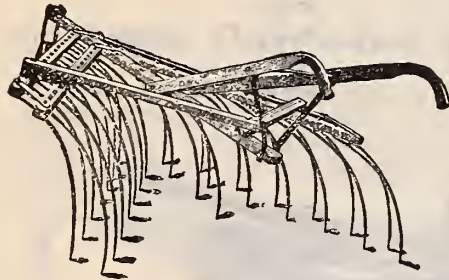


The increased use of commercial fertilizers has fairly compelled the farmer and planter of the present day to provide himself with improved appliances for properly and economically distributing these adjuncts of modern farming. We claim the "Advance" to be the best low-priced distributor on the market, and would call attention to its distributing disk of galvanized iron, which can neither break nor rust; also to the wrought iron wheel, light and strong. A shut off, to prevent the escape of fertilizer when wheeling around the end of row, is a late improvement; one of those little things which go far, however, in making a tool valuable. A first-class tool for the drilling of peas and corn.



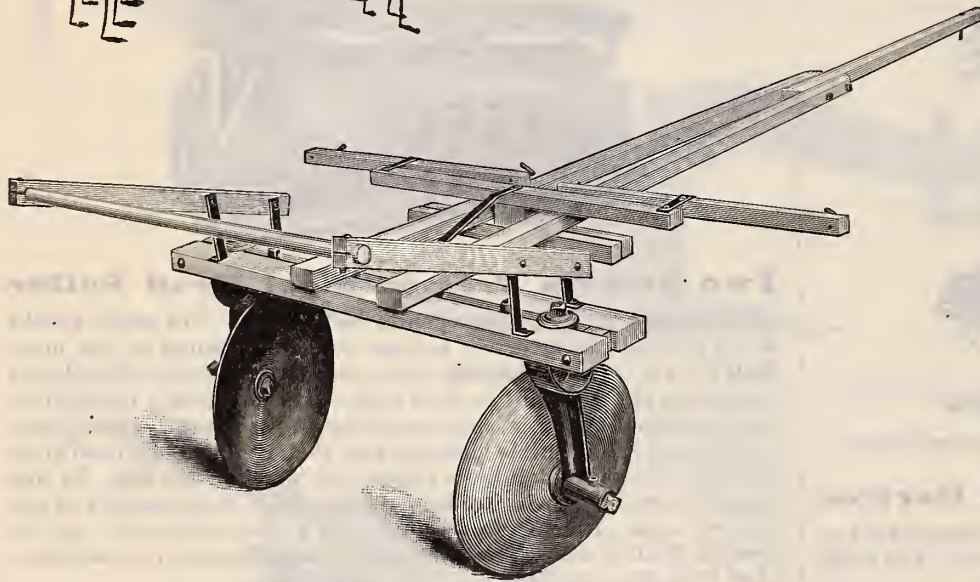
Standard Weeder

The teeth are the best quality of spring steel, oil tempered and thoroughly tested. They have a special form, and are attached to three separate cross bars in a position to thoroughly cover the ground. They are uniform in length and interchangeable. The shafts and handles are adjustable. Useful, practical. Length, 7½ feet. Price on application.



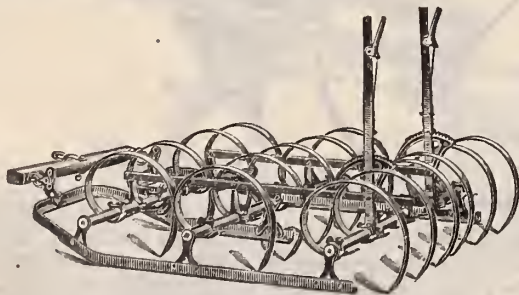
Keystone Weeder

Adjustable Weeder and Shallow Cultivator. It keeps top of the ground loose and moist. Price on application.



Aroostook Disk Potato Hoe

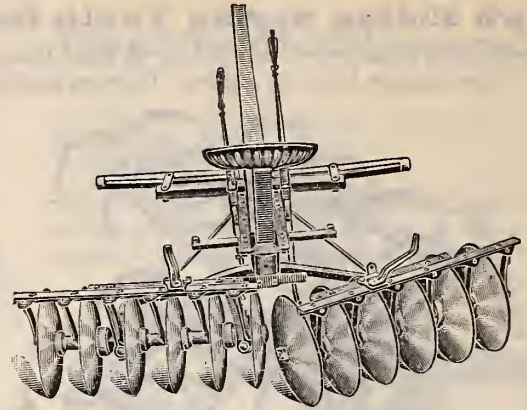
Has disks 20 inches in diameter, with chilled bearings where no dirt comes in contact with them. It is used for furrowing, covering and hilling potatoes, and can be adjusted to furrow from 15 inches to 3 feet 2 inches apart. This hoe has been on the market for several seasons and is meeting with very favorable success, especially in Aroostook County. Price \$12.00 each.



Aberdeen Harrow

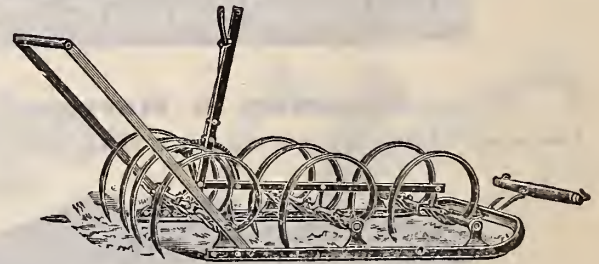
17 Tooth

We have embodied in the Aberdeen Harrow a form of construction which makes it the most rigid, the strongest, the most easily adjusted, the most simple, most durable, and the best Spring Tooth Harrow of the "runner" type that has yet been offered. Price on application.



Model B Disk Harrow

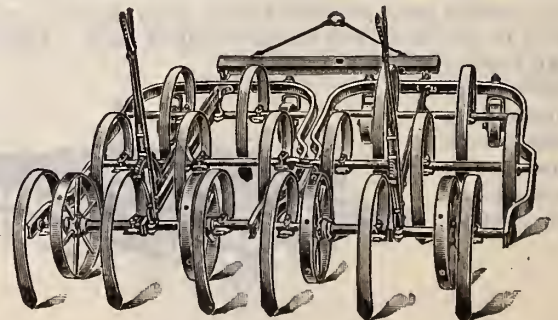
Flexible Pivot. By pivoting the disk gang back or center, and using our New Patented Flexible Pivot, the gangs when tilted crowd together, leaving practically no ridge in center and doing away with the unwieldy, overlapping disks and rear tooth or leveler, with which all other makes of disk harrows are provided. Box and bearing are fitted with steel balls running against chilled surface to take end thrust of disk gang. Box is cast solid in one piece and chilled on the inside, and is provided with dirt-proof oil cups leading into an oil chamber, which effectually lubricates the bearings at all times. Ends of bearings are protected by dust bands ½ inch long at each end. Price on application.



Badger One-Horse Harrow

9 Tooth

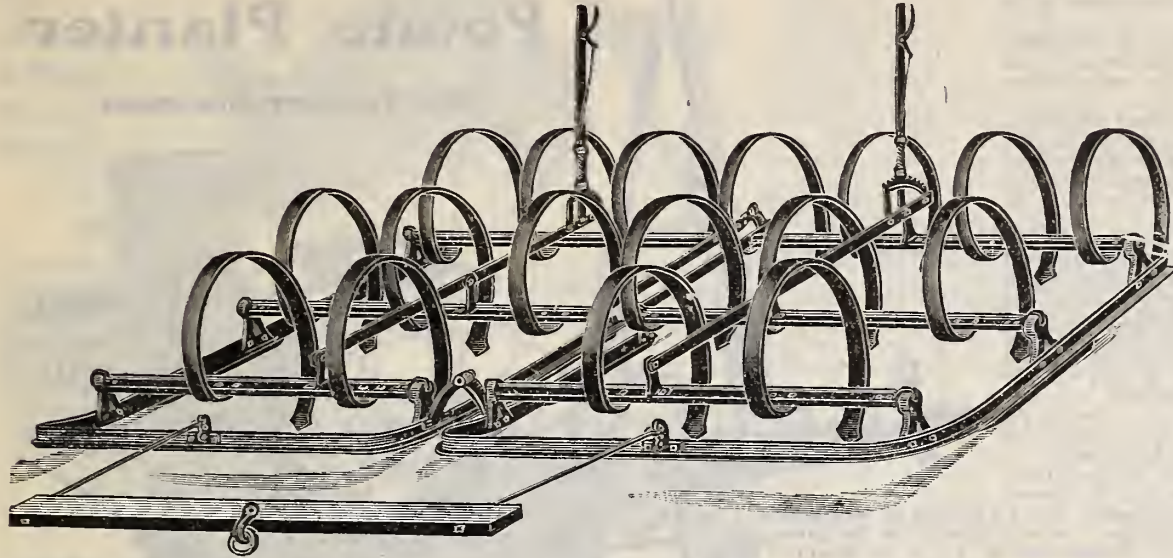
An unusually attractive tool. It has a very strong frame, tooth-holders of the most approved design. Finest adjusting lever ever used, renewable shoes under frame. Price with handle bar and whiffletree, \$9.00.



Reed Wheel Lever Harrow

The rear wheels are built with steel rim and spokes, with oval surface on inside of rims; are light and attractive in appearance and extremely strong. The front wheels are made in castor form, mounted in pivot sockets. The object is to allow the harrow to easily follow the course of the team when turning at the end of the field or for transportation. Price on application.

"THE OTSEGO"



All Steel, Low Down Lever Spring Tooth Harrow. With Renewable Steel Runners, 15 or 17 Teeth.

Frame is made entirely of steel, with a separate steel plate bolted on the under side of the runners to take the wear. These plates can be renewed at a small expense.

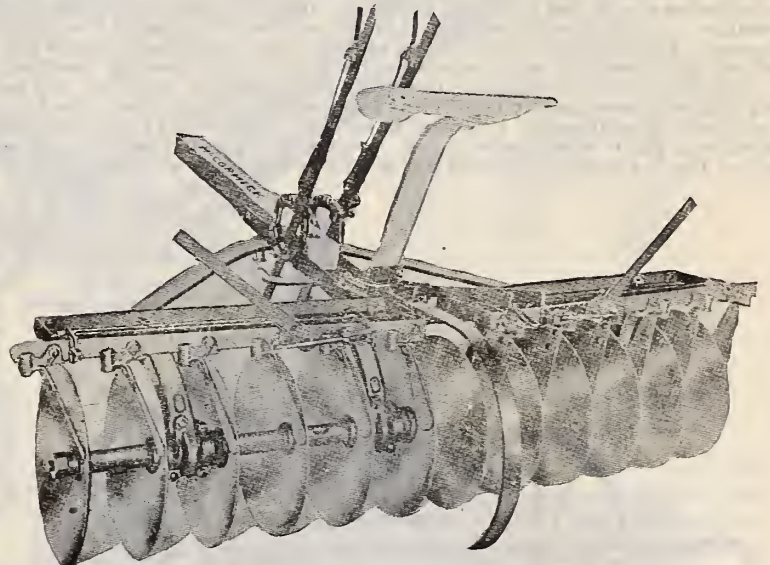
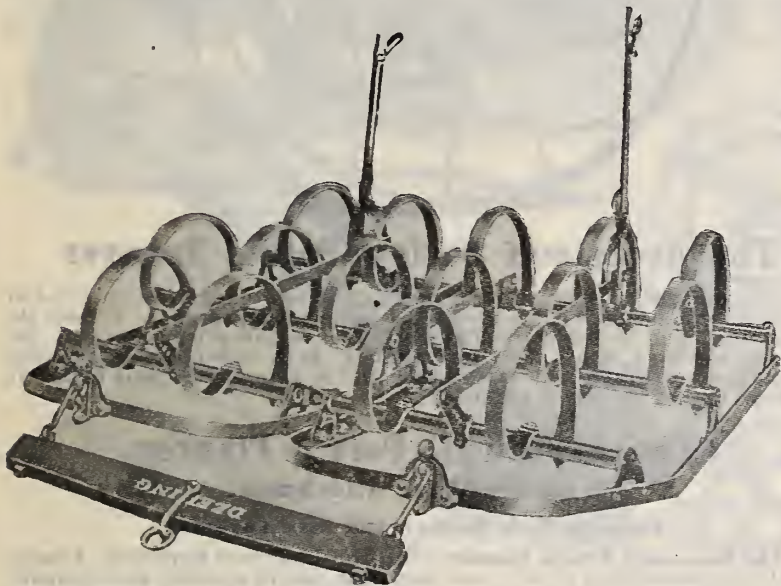
Teeth are made from the best open hearth steel, finely tempered in oil, can be instantly raised or lowered to suit the operator by means of the levers. As the point of tooth wears, same can be lowered by the adjustment on the tooth bars.

Adjustable Hitch, Light Draught, Finely Finished, Won't Clog

Price, 15 Tooth, 2 Horse..... \$13.00
 " 17 " 2 " 14.00

Deering Spring Tooth Harrow

McCormick Disk Harrow

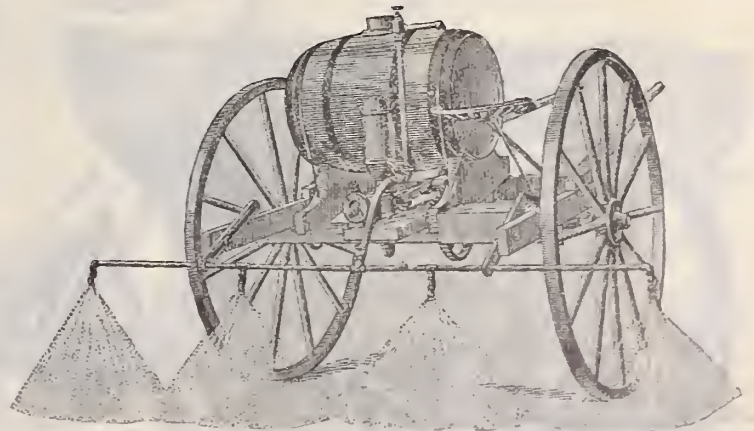
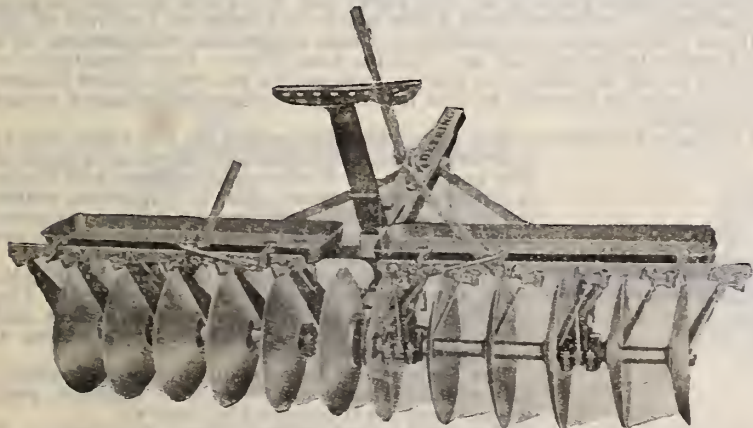


The accompanying illustration shows the Deering Spring Tooth Harrow with fifteen teeth. This harrow is substantially constructed and designed for use in any kind of soil. By means of the levers attached to the rear bars, the teeth can be adjusted to any depth, and when the harrow is to be removed from the field, the teeth can be lifted high above the ground so that they will pass over any ordinary obstruction. As will be seen by reference to the illustration, the steel pipe tooth bars are mounted in malleable boxes and securely bolted to the frame, which insures great strength. This Spring Tooth Harrow is practically same as the Osborne.

A rear view of the McCormick Disk Harrow is shown in the illustration presented herewith. The gangs are independent of each other, so that all the ground is cultivated whether the harrow is worked in a hollow or on a ridge. The scrapers can be locked against the disks so that they will be always kept clean. This Disk Harrow is practically the same as the Osborne.

Deering Disk Harrow

The Getchell Four Row Sprayer



The Deering Disk Harrow shown in the accompanying illustration is designed for cutting up heavy clods and sod in fields where it would hardly be practical to use an ordinary harrow. The disks are separated by metal spools with finished ends, thus giving the disks a perfect bearing. The large square axle bolt, which passes through the square holes in the disks and spools, prevents the disks from turning on the axle. This harrow is made 4, 5, 6, 7 and 8-foot widths.

Pump: Double action. Brass Lined, 2 1/4 inch with 4 x 14 inch Air Chamber. Agitator: The latest model rotary which insures continuous stirring of the fluid preventing the settling of the lime sediment that so much affects the working of a pump. Wheels: 4 1/2 feet high, with 1 3/4 inch oak spoke. Axle: 1 3/8 inch adjustable turned steel. Pressure: Adjustable 20 to 110 pounds, set at 60 pounds when shipped. May be adjusted without leaving the seat anywhere from 20 to 110 pounds. Nozzles: The improved Deming, so hung that they are adjustable to a range of from 1 to 4 feet from the ground.

The Evans Potato Planter is the most perfect planter on the market, because it is made better, and will do more and better work with less labor, thereby producing larger and more profitable crops at a decreased expense to the owner.

In ease of operation the Evans is far in the lead. One person can operate it anywhere under any and all conditions of seeding, whether it be on hillsides or level ground.

For perfect work the Evans is in a class by itself. Hundreds of the best potato growers testify to the fact that in planting ten acres there would not be over ten missed hills, and the Evans drops and covers the seed much more accurately than is done by expert hand planters.

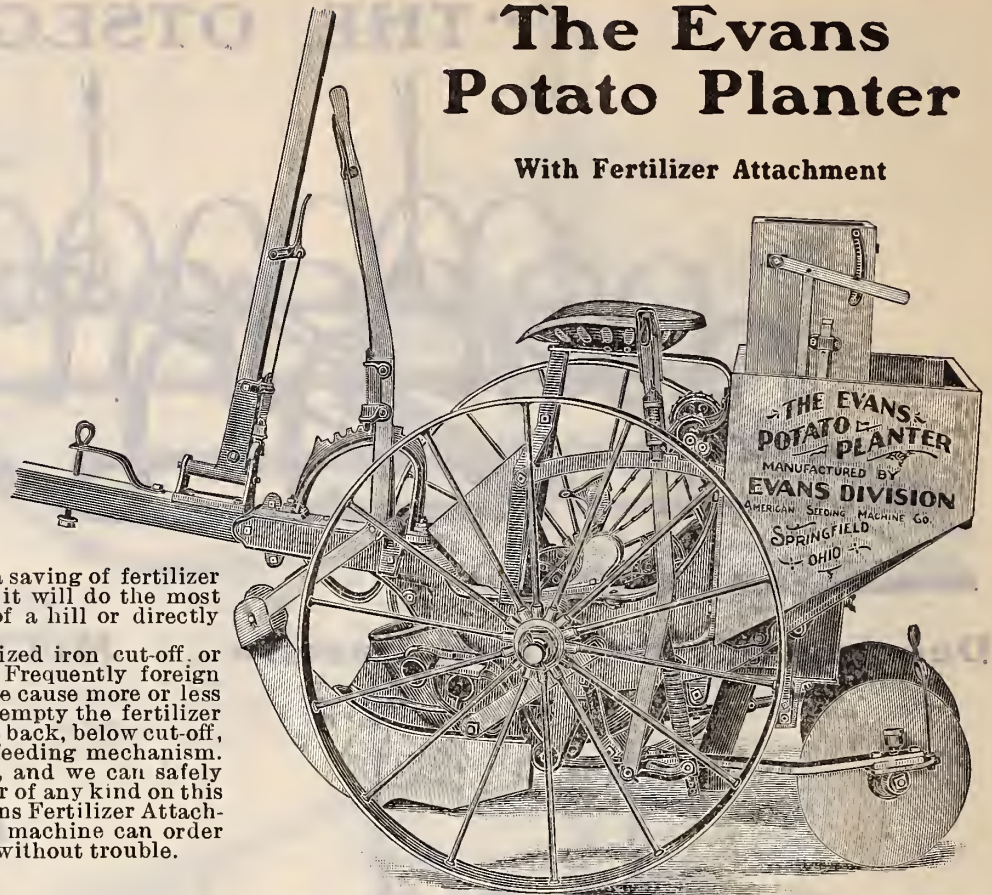
The Fertilizer Attachment used on the Evans Potato Planter is a positive force feed—the improved Evans—and can be thrown in and out of gear while the machine is in motion. Any kind of fertilizer can be sown with the Evans Fertilizer Feed, and change of quantity can be made while the machine is in motion, independent of the potato feed. Can be used independent of planter. It is very simple and made in such a way that the fertilizer will not bridge over the outlet. The range of quantity is very great, and will sow from 97 to 2,444 pounds of fertilizer to the acre. The Fertilizer Attachment is so located on the Potato Planter that the fertilizer does not drop directly on the potatoes, but is spread upon a thin coat of dirt which covers the seed. Thus a saving of fertilizer is effected and the fertilizer "hits the spot" where it will do the most good. The fertilizer may be spread on either side of a hill or directly on the top of same.

The Fertilizer Hopper is provided with a galvanized iron cut-off or slide—a feature that will recommend itself to all. Frequently foreign substances are mixed with the fertilizer and therefore cause more or less trouble. When trouble occurs, it is not necessary to empty the fertilizer hopper. This slide acts as a bridge and the removable back, below cut-off, affords the operator easy access to the stirrers and feeding mechanism.

This attachment is made of the very best material, and we can safely say that we have had no complaint from any source or of any kind on this Fertilizer Attachment. It is very easy to put the Evans Fertilizer Attachment on a plain machine, and the owners of a plain machine can order one of these attachments and put it on the machine without trouble.

The Evans Potato Planter

With Fertilizer Attachment



The Aroostook Perfect Potato Sprayer

This Sprayer is designed for farmers growing from one to ten acres of potatoes, who do not wish to invest in a large power Sprayer. It does its work well, and is highly recommended as a low-priced Sprayer for farmers having a small piece for potatoes. It is fitted with a Douglas High Pressure Pump and brass seats, and is thoroughly well built. It does not clog or get out of order.

The Aspinwall Potato Planter With Fertilizer Attachment

Showing Both Runner and Disk Covers

The Aspinwall Potato Planter, with the Improved Fertilizer Attachment (first introduced in 1902), has met with entire success, and unqualified endorsement. The improvement over previous attachments put out by us embodies simplified construction, with an increased capacity to handle the various grades of commercial fertilizer and cotton-seed meal; also the index gauge, showing the number of pounds which may be distributed per acre in rows 30 and 36 inches apart.

This attachment is rotary, being worked by a single chain and a pair of sprocket wheels. The flow of fertilizing material is constantly in view of the driver and its capacity under perfect control, from the smallest amount required to 2,500 pounds per acre.

The development of these features is entirely the result of suggestions made by practical potato growers from all parts of the country. Every suggestion has been carefully considered and the best efforts of inventive ability put forth for its accomplishment.

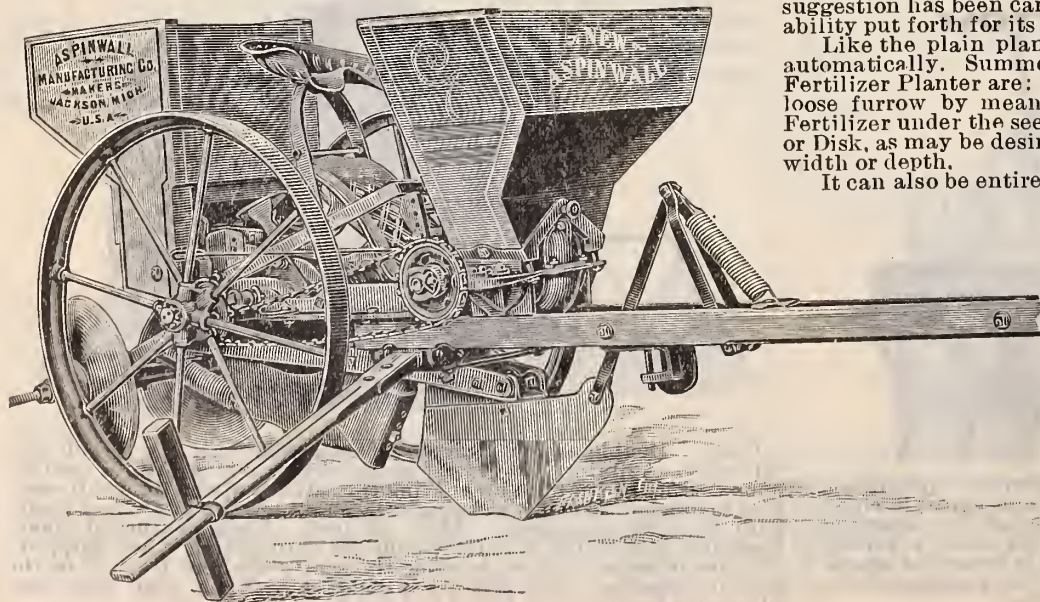
Like the plain planter, all the parts are thrown in and out of gear automatically. Summed up in a few words, the superior features of our Fertilizer Planter are: the quality of being automatic, the opening of a loose furrow by means of an Anti-Packing Plow; the depositing of Fertilizer under the seed; the ability to raise the covers, either Runner or Disk, as may be desired, by foot lever, and the easy adjustment to any width or depth.

It can also be entirely shut off by the foot pedal on the right side of hopper between the sprocket wheel and shell of the machine. A downward pressure will throw it entirely out of gear. This is important where certain fields have low ground which requires no additional fertilizing above what may have been applied as a top dressing or otherwise.

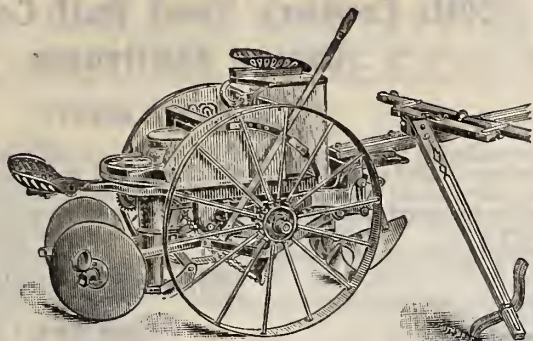
With this attachment fertilizer can be distributed alone without planting if desired. The planter can also be used for making ridges and distributing fertilizer therein for the planting of cabbage, tomatoes, etc.

The Pickers are thrown out of gear automatically when raising the plow, and again in gear when lowering it to open the furrow.

The feed arrangement from the hopper is strikingly simple, requiring no chains or adjustment to operate it, everything being in working order upon attaching the hopper to frame of machine.



The Improved-Robbins Potato Planter



It must be quality as well as quantity. With the Improved-Robbins, however, the farmer has the comfortable assurance of attaining both, easily planting with it from four to seven acres per day, and such perfection of potato planting was never before accomplished. It is simply ideal.

Aspinwall Potato Cutter

Labor saved lengthens the opportunity for profit. Time is too short in this busy period to warrant a continuance of the antiquated "Jack-knife method" of seed preparation, and it has therefore fallen into disuse among the potato specialists of to-day. The opposition of the past to machine-cut seed potatoes was effectually overcome by the Aspinwall Potato Cutter, and at the present time thousands of these machines are in use, while their work has the endorsement of growers whose opinions regarding technical potato culture are eagerly sought and highly esteemed.



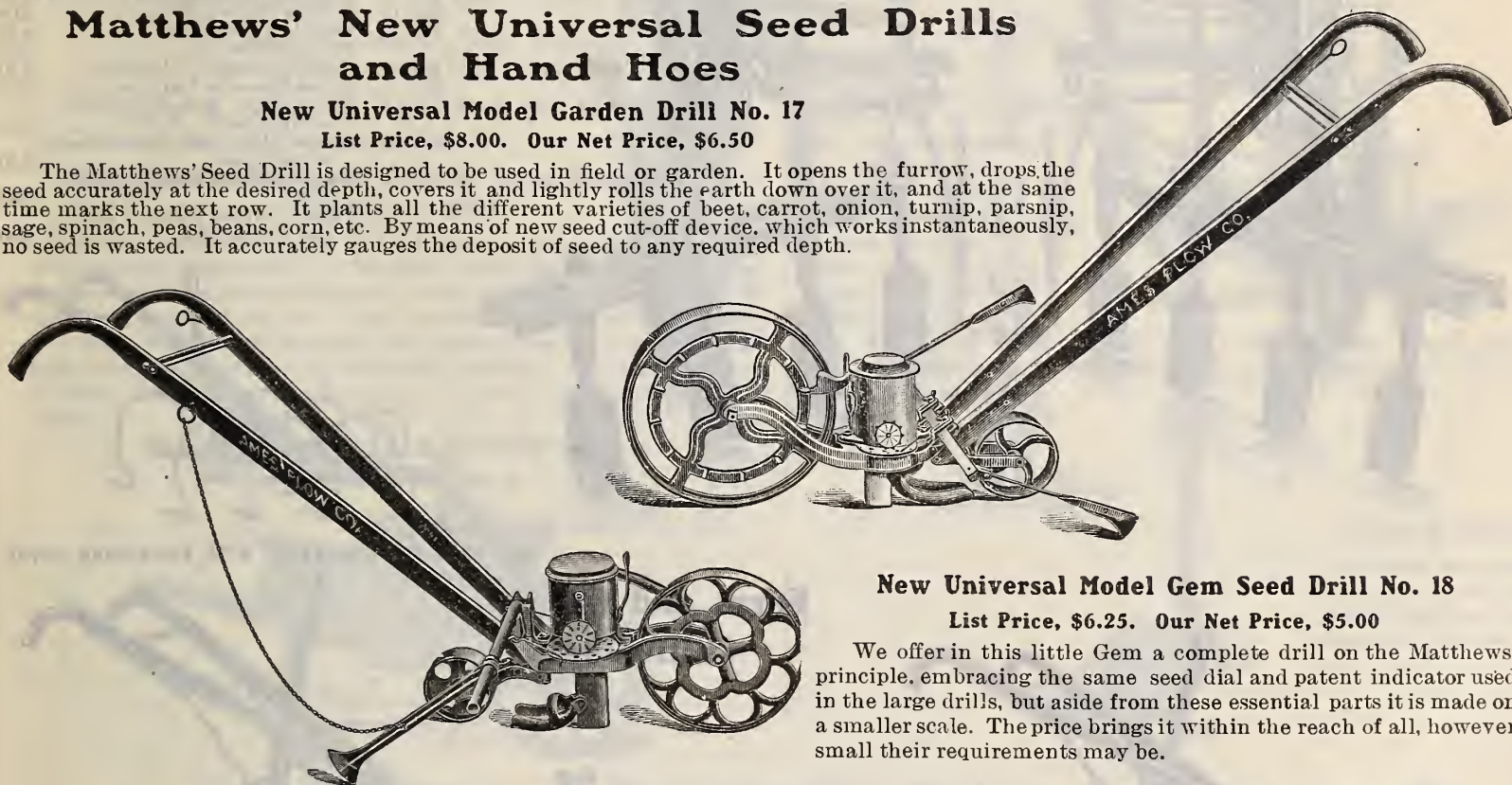
The advantages gained by the use of our cutter are apparent. **In brief its strong points are:** Optional removal of seed end. Practical division of eyes. Uniformity of size. Equality of pulp, each piece being chunked. Thin and vitiated pieces eliminated. Ease, rapidity and cleanliness of cutting. No bleeding fingers, as all danger of injury is removed. Accuracy as compared with the average hand work. Rapid transmission from cutter to ground in planting large acreages. Ability to halve, quarter, remove seed end, or cut to any size.

Matthews' New Universal Seed Drills and Hand Hoes

New Universal Model Garden Drill No. 17

List Price, \$8.00. Our Net Price, \$6.50

The Matthews' Seed Drill is designed to be used in field or garden. It opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls the earth down over it, and at the same time marks the next row. It plants all the different varieties of beet, carrot, onion, turnip, parsnip, sage, spinach, peas, beans, corn, etc. By means of new seed cut-off device, which works instantaneously, no seed is wasted. It accurately gauges the deposit of seed to any required depth.



New Universal Model Gem Seed Drill No. 18

List Price, \$6.25. Our Net Price, \$5.00

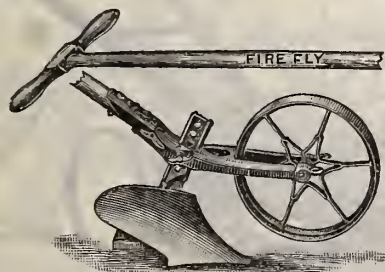
We offer in this little Gem a complete drill on the Matthews' principle, embracing the same seed dial and patent indicator used in the large drills, but aside from these essential parts it is made on a smaller scale. The price brings it within the reach of all, however small their requirements may be.

New Universal Model Combination Drill

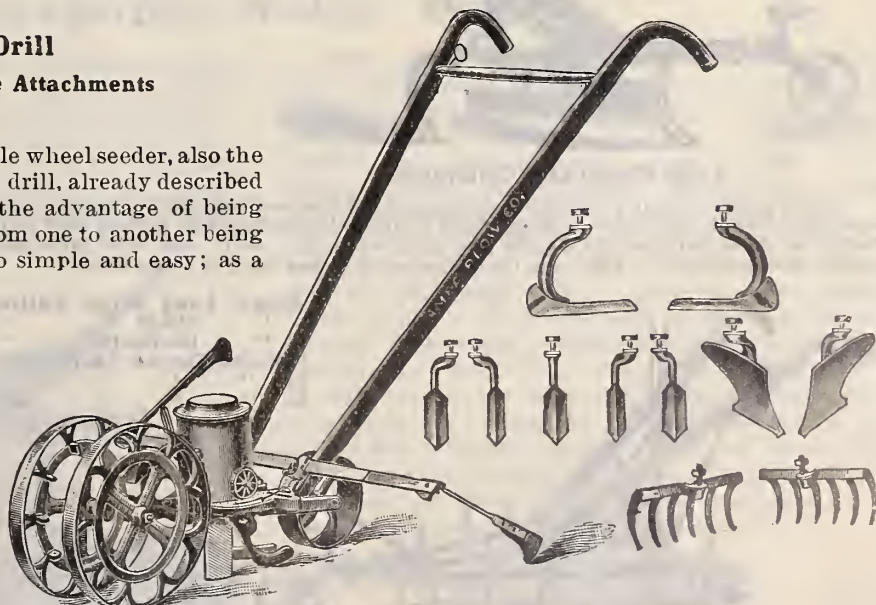
Double Wheel, with Hoe, Cultivator, Plow and Rake Attachments

Our Net Price, \$8.75

This illustration shows the combination implement as a double wheel seeder, also the attachments. It is not only a desirable combination of the garden drill, already described with the New Universal Cultivating Attachments, but it has the advantage of being either a double or single wheel implement at will, the change from one to another being readily made. The change to a cultivator or wheel hoe is also simple and easy; as a cultivator it can be used either astride or between the rows.



New Universal Hand Wheel Plow.



New Universal Model Combination Drill.

New Universal Hand Wheel Plow No. 10. List Price, \$2.50. Our Net Price, Boxed, \$2.00

This little labor saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover, and to cultivate. The moldboard is of steel, polished and tempered. The Hand Plow is also a very useful implement for the poultry raiser for loosening up the runs or yards.

20th Century Steel Ball Coupling Riding Cultivator

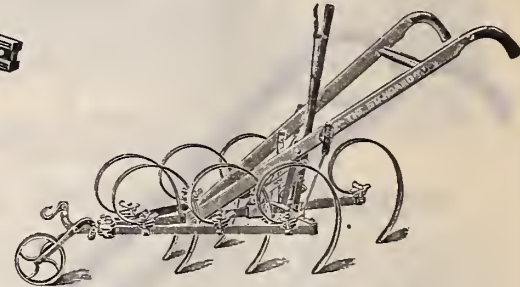
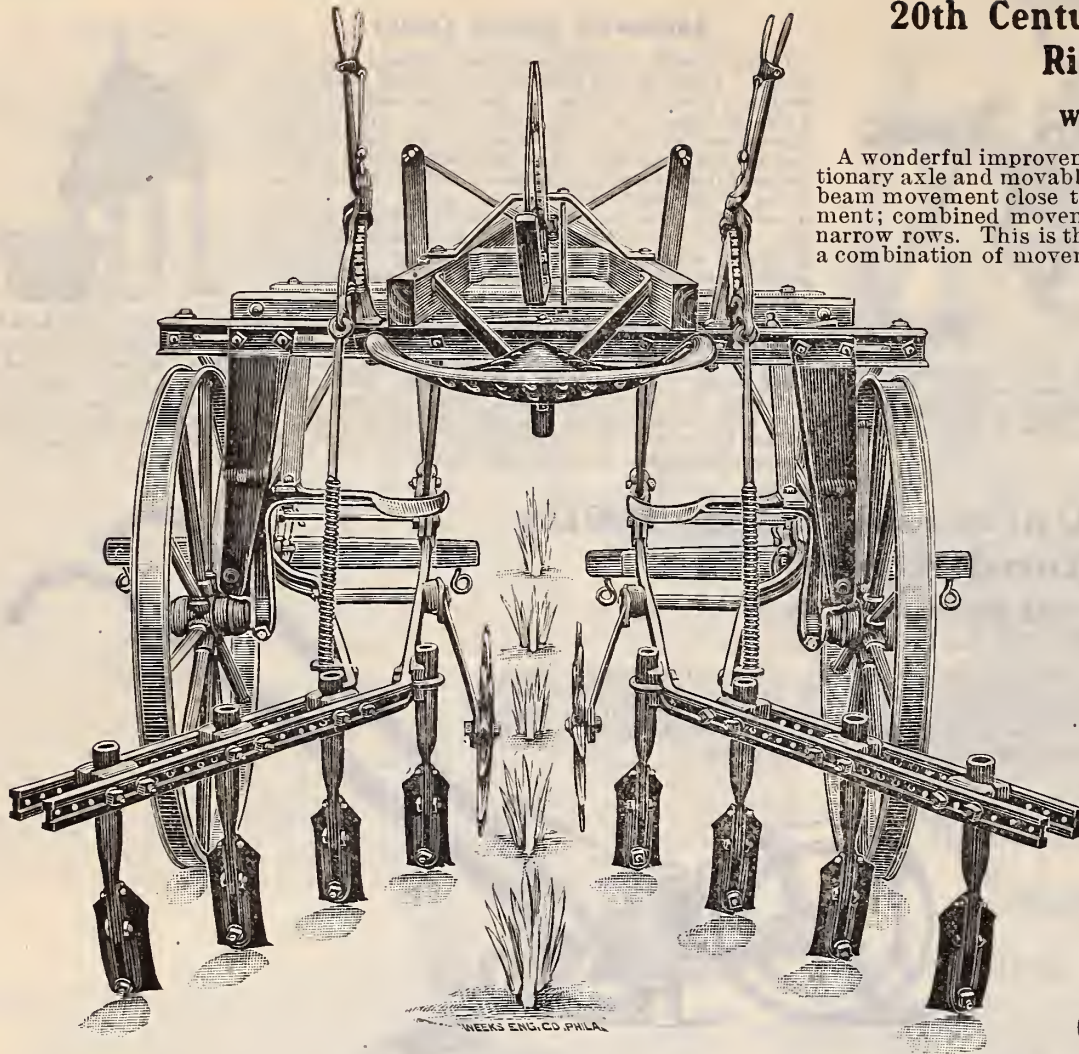
WE ARE STATE AGENTS

A wonderful improvement in Pivot Axle Cultivators. Fixed or stationary axle and movable spindle; ball and socket couplings; parallel beam movement close to and from the row; independent gang movement; combined movement of spindles and gangs. Can be used for narrow rows. This is the only Cultivator in the market having such a combination of movements.

Planet Jr. Farm and Garden Tools

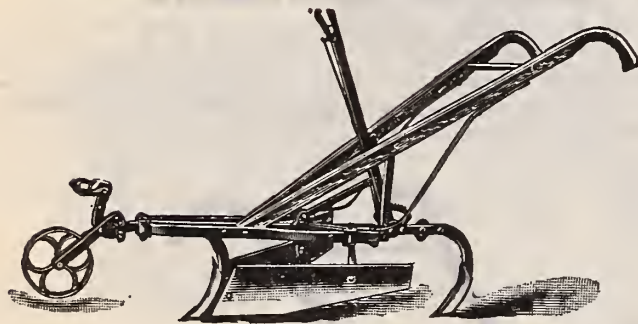
We carry a line of these in stock and should be glad to furnish special Catalogue on application.

	Price
No. 4. Hill and Drill Seeder.....	\$10.50
No. 25. Hill and Drill Seeder.....	13.50
No. 5. Hill and Drill Seeder.....	13.00
No. 11. Double Wheel Hoe.....	9.00
No. 13. Double Wheel Hoe.....	4.75
Firefly Plow.....	2.35
No. 8. Horse Hoe and Cultivator...	8.50
No. 7. Horse Hoe and Cultivator...	8.00
No. 9. Horse Hoe and Cultivator with Wheel.....	7.40
No. 5. Horse Hoe and Cultivator with Wheel.....	6.50
Twelve-Tooth Harrow, complete.....	8.50
Twelve-Tooth Harrow without Pulverizer.....	6.90

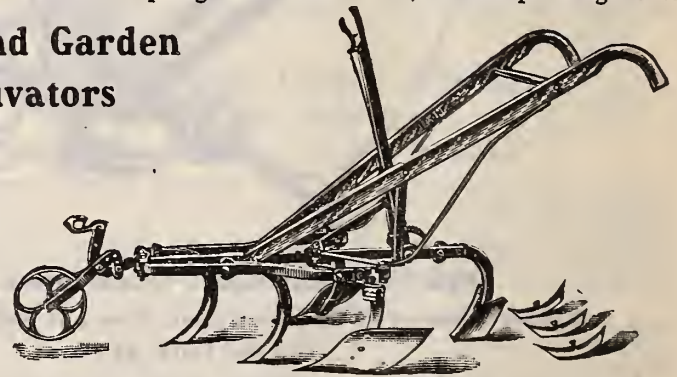


Spring Tooth Cultivator, with Expanding Lever.

Farm and Garden Cultivators



Long Wing Casco Cultivator.



Short Wing Casco Cultivator.

These goods are all well known to be made of the best material. Their strength and working qualities are guaranteed. They are made almost entirely of steel, and have an expanding frame, contracting to 5 inches and expanding to 24 inches. They are provided with such a variety of teeth as to be adapted to nearly any kind of work. With the new lever attachment the width of cut can be constantly changed while the Cultivator is at work. They are furnished with either long or short hillers.

Casco Long Wing Cultivator, with lever.	
“ Short “ “ “	“ “ “
“ 14-Tooth “ “ “	“ “ “
5-Tooth Spring Tooth, without lever.	
7- “ “ “ with “	“ “ “
5- “ “ “ with “	“ “ “

Write for prices.



Fourteen-Tooth Peerless Cultivator.

Fourteen-Tooth Peerless Cultivator

This tool is used for working very close to small plants, thoroughly pulverizing, but throwing no dust on them.

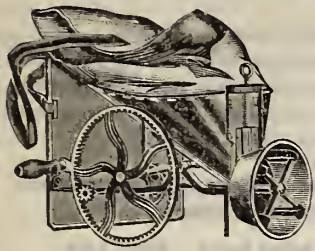


Spring Tooth Peerless Cultivator.

Spring Tooth Peerless Cultivator

The Spring Tooth Cultivator is especially for use in rough and stony ground. The frame is strong and well put together. The teeth are adjustable for any depth.

THE CAHOON HAND BROADCAST SEEDER



For Sowing ANY Grain or Grass Seed

IS THE GUARANTEED STANDARD **SEED SOWER**

OF THE WORLD.

It has **POSITIVE** and **ACCURATE** feed
AND

SAVES MONEY IN TIME AND SEED.

Malleable Iron Frame — Steel Hopper and Gate — Brass Discharger.

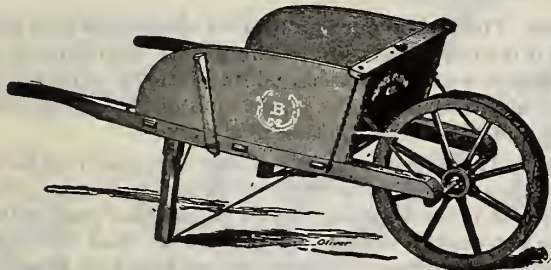
LASTS A LIFETIME.

Star Pattern Improved Billings Corn Planter and Fertilizer Drill

For planting field, ensilage and fodder corn, beans and other seeds of a like size, this planter will be found perfectly adapted, and it can be arranged for planting beet seed. It is durable and simple in construction, and performs work with certain and good effect on stony and sward land, as well as on mellow intervale or other smooth land, thus asserting its superiority over other planters. It plants at twelve different distances apart, viz.: 5½, 7, 9, 11, 14, 18, 22, 28, 36, 44, 56 and 72 inches.

Wheelbarrows

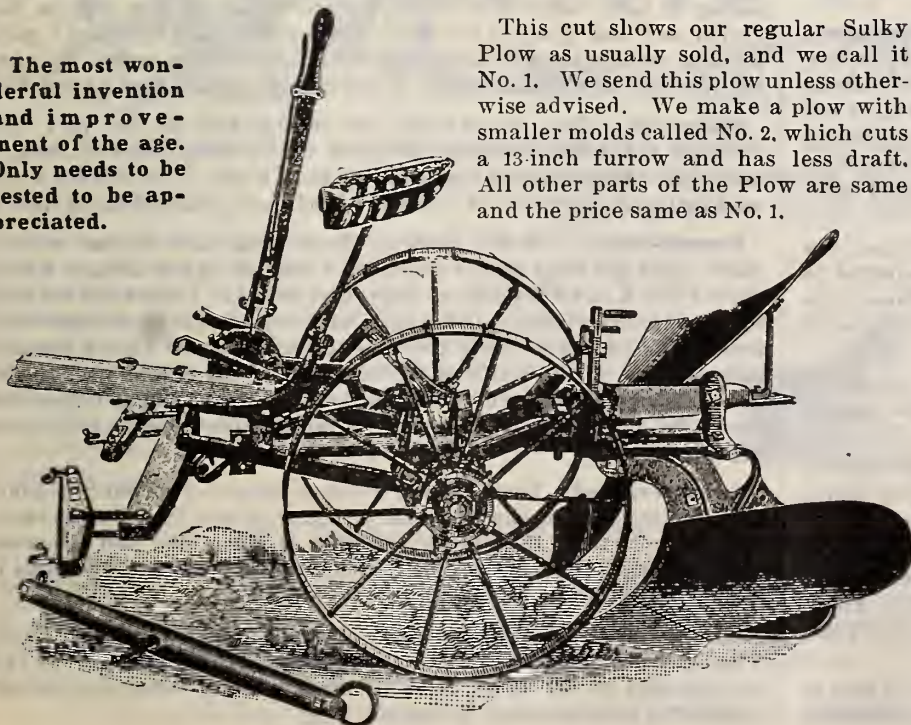
Prices from \$1.50 to \$6



National Reversible Sulky Plow

The most wonderful invention and improvement of the age. Only needs to be tested to be appreciated.

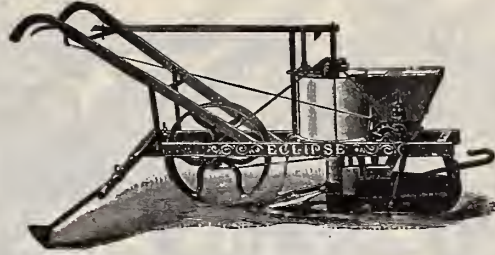
This cut shows our regular Sulky Plow as usually sold, and we call it No. 1. We send this plow unless otherwise advised. We make a plow with smaller molds called No. 2, which cuts a 13-inch furrow and has less draft. All other parts of the Plow are same and the price same as No. 1.



Eclipse Corn Planter

Price, \$20.00

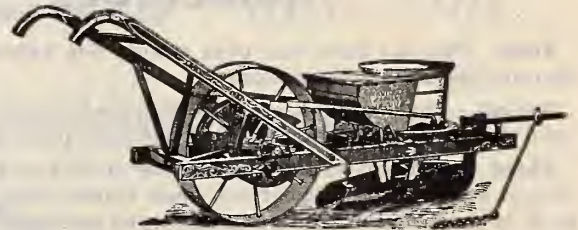
This is the only planter that will accurately distribute all commercial fertilizers, wet as well as dry, pulverized hen manure, plaster, ashes, etc., in given amounts per acre, in hill, drill or check. This planter is easily adjusted to drop fertilizers in hills, drills or checks, as follows: It will drop 6, 12, 24 or 36 inches by using sprocket wheel No. 15 on seed roll shaft, or will drop 7, 15, 30 or 45 inches by using sprocket wheel No. 16. Sprocket wheel No. 16 can be applied to any Eclipse Planter now in use. As small amounts as 50 pounds per acre can be dropped, wet or dry, with just the same degree of accuracy as 200, 300 or 450 pounds per acre.



King of the Corn Field Planter

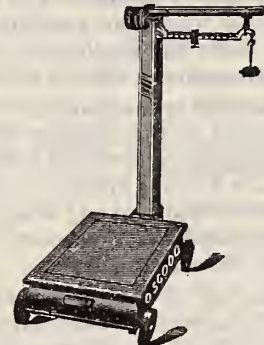
Price, \$20.00

This planter is durable and simple in construction, not liable to get out of order in consequence of its having no gears, chains or other complicated parts to break or wear out. The 24-inch wheel drops 4½, 9, 18, 36 and 72 inches apart; the 20-inch wheel drops 7½, 15, 30 and 60 inches. Price of either 20- or 24-inch wheel is the same.



Portland Scales

Finished in natural hard wood, and will weigh from 100 to 600 pounds. Price \$10.

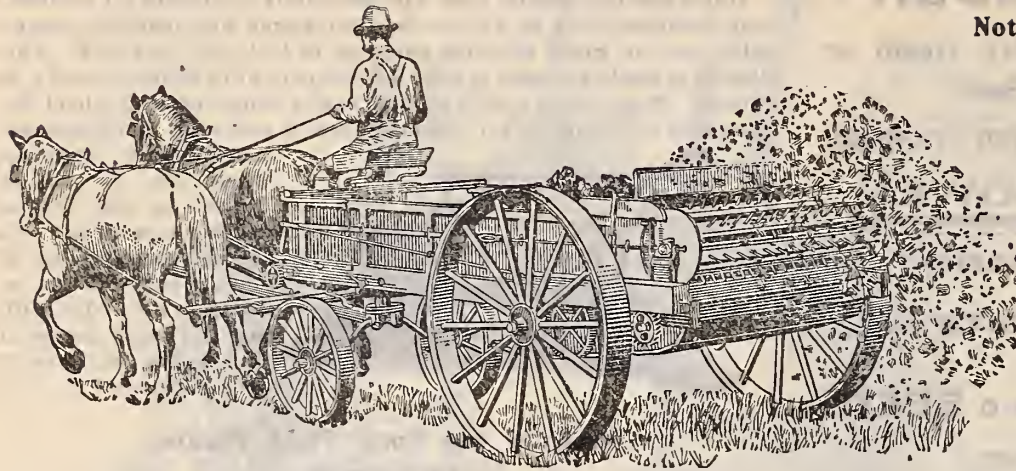


Thousands of these are in use. It is of light draft, and easily handled by the operator. The only successful Sulky Plow made that will plow stony, rough, side hill or level land. For the present season we are making the wheels with heavier spokes, thus making a much stronger wheel than formerly. We have also adopted a new pattern of trip-spring, which will not break.

This Plow is not an experiment, having been placed upon the market in 1885, since which time there have been several thousand sold. Unlike all other makes of riding Plows, the National has been especially designed to meet the wants of progressive farmers, and succeeds not only upon level farms, leaving them without tracks or dead furrows, but is equally adapted to stony, rough side hill farms, turning the land with the slope, and not up the hill, as in the case with all one-way Sulky Plows. We believe the National to be the only Sulky Plow in the world that can justly lay claim to being a success for all kinds of work and in all varieties of soil.

Hubbard's Fertilizers are made largely of bone. See inside back cover page

"SUCCESS" MANURE SPREADERS



Remember

First. That we have had over twenty-five years of experience in Manure Spreader construction.

Second. That we pioneered the Manure Spreader trade and developed this character of machine to its present point of perfection.

Third. That this experience has cost money and is valuable to the farmer by enabling us to correct weak points upon the machine, simplify its construction, lighten its draft, and generally increase its value.

Fourth. That the Spreaders manufactured by us are the simplest in construction, lightest draft, most durable, and give the best satisfaction of any Manure Spreader on the market.

Fifth. That we have the only device on the market for automatically relieving the cylinder when the machine is thrown into gear, thereby reducing strain upon the mechanism, enabling the horses to start the load easily and commence effective distribution at once.

Sixth. That the beater driving mechanism is the part of the Manure Spreader which is subjected to the greatest strain and consequently should be the most strongly constructed; that the beater driving mechanism upon our new Success Spreader is the simplest and composed of the least number of parts of any other similar mechanism on the market; that the decreased friction attendant upon the use of so simple a device largely decreases the draft.

Seventh. That by the use of this beater driving mechanism the operation of throwing the machine in and out of gear is absolute and positive. When the machine is out of gear it cannot possibly go in gear, and when the machine is in gear it cannot possibly go out of gear, except at the will of the driver. **There is no other Spreader on the market of which this can be said.**

Eighth. That this new beater driving mechanism avoids the necessity of using clutches, shifter levers, movable chains, and other complicated and delicate devices for throwing the machine in and out of gear.

Ninth. That in the Success Spreader the simple movement of the cylinder rearward brings into mesh a cog on the end of the cylinder shaft with a cog attached to the sprocket over which the chain runs, and locks the cylinder back, throwing the machine in gear and holding it there absolutely.

Tenth. That when the Success Spreader is thrown out of gear the cylinder is moved forward, disengaging the two cogs last referred to and locking them apart so that it is not possible to move them into engagement unless the lever which throws the Spreader into gear is raised by the driver.

Eleventh. That our Spreaders have a pulverizing rake over the cylinder which thoroughly breaks up and fines the material spread and assists in its even distribution upon the land.

Twelfth. That our apron is automatically returned to place after the load is discharged and it is unnecessary to crank it back by hand, and that this apron is returned in driving 65 feet.

Thirteenth. That the front trucks are attached to the Spreader with a large fifth wheel set well back under the machine, supporting the center sill back of the first cross sill, and that this fifth wheel affords an even bearing surface which is the same no matter at what angle the pole is turned.

Fourteenth. That the device which trips the machine out of gear is absolute and certain, has no set screws to get out of order and displace

Nothing succeeds like "SUCCESS"

No manure Spreader gives such satisfaction as the "Success." Success to the dealer who sells it; success to the farmer who buys it. It will spread all kinds of manure or other fertilizer in quantities to suit the requirements of the soil.

**It economizes labor. It economizes manure
It increases crops**

To succeed you must have "SUCCESS"

We still make the "KEMP," but recommend that you purchase the "Success" on account of the many improvements which it contains. We will gladly furnish any further information you may desire in reference to this machine.

the trip, thereby causing the end board to run into the cylinder and result in serious breakage on the machine.

Fifteenth. That the large sprocket wheel which drives the cylinder and the large gear which transmits power to the apron driving mechanism are both keyed to the axle and not attached with pins or set screws as are similar parts in some of our competitors' machines; that this method of attaching these parts to the axle is the strongest construction known to mechanical science.

Sixteenth. That our center sills are continuous and each composed of one piece of lumber.

Seventeenth. That the teeth on our cylinder are so arranged that they have a boring effect from the center outward toward either end, and that this arrangement throws the surplus material, which is ordinarily held in the center of the machine, to either side, thus causing an even distribution of the load. This arrangement of the teeth is far superior to placing them in line upon the raves of the cylinder, as do some of our competitors.

Eighteenth. That when our apron turns around the rear shaft of the machine as it is drawn rearward in the act of distribution, the space between the lags is not increased and no material is permitted to fall through and accumulate on the under side of the apron, as is true in the construction of some competing machines.

Nineteenth. That the quantity of material spread can be regulated by the lever from the seat when the machine is in motion; that in this change of feed it is not necessary to move the disk gear outward so as to disengage it from the pinion. In change of feed devices used on some competing machines the movement of this disk gear away from the pinion in order to effect this change makes the mechanism unstable and the constant wear of parts attendant upon this movement sooner or later causes a loose fit, and consequently the cogs on the pinion and disk gear do not mesh sufficiently deep to afford a good bearing surface, thereby producing breakage in these parts. We have entirely obviated this objection in the change of feed above described.

Twentieth. That our wheels are constructed of the very best material that money can buy; that the rear wheels are 54 inches in diameter, which makes a lighter draft than where these wheels are 36 or 48 inches in diameter, as is the case with some competing machines.

Twenty-first. That our apron is drawn rearward by one central chain; that the links of this chain have depending side flanges which extend down on either side of the center series of rollers and prevent the apron from binding on the end; that a single chain movement is superior to the double chain movement used by some of our competitors, because of the fact that where either of the chains used in the last-mentioned movement stretches so as to become longer than the other, the apron will be drawn at an angle and the ends of its lags will bind.

Twenty-second. That in every detail of construction our Spreaders are manufactured of the very best of material and by the most experienced workmen; that every machine is assembled and operated before it leaves the factory, and that no expense is spared to make it the very best that money and labor can produce.

Twenty-third. That by the use of the Success Spreader many farms which are now unprofitable can be made income producers, crops can be increased on all farms, labor economized, and farming, like our Spreader, can be made a "Success."

Matthews' New Universal Constellation Seeder, Hoe, Cultivator, Plow, Rake and Marker, No. 19

List Price, Boxed, \$10.50. Our Net Price, Boxed, \$8.50

This illustration shows the complete implement with all attachments furnished. In the Constellation is presented a brilliant assemblage of the New Universal Garden Drill and the New Universal Wheel Hoe, Cultivator, Rake and Plow, for use either as a one-wheel or two-wheel Seeder, Hoe, Rake, Cultivator, Plow, Marker. Six implements in one. Each implement is entirely separate from the other and the only parts used in each, the wheels and handles, are changed from one frame to the other by only two bolts. Cultivating attachments are shown detached. They consist of 1 Cultivator Frame, 1 Pair Hoes, 1 Pair Plows, 1 Pair Rakes, 1 Pair Narrow Cultivator Teeth, 1 Pair Wide Cultivator Teeth, 1 Center Cultivator Tooth, 1 Pair Markers.

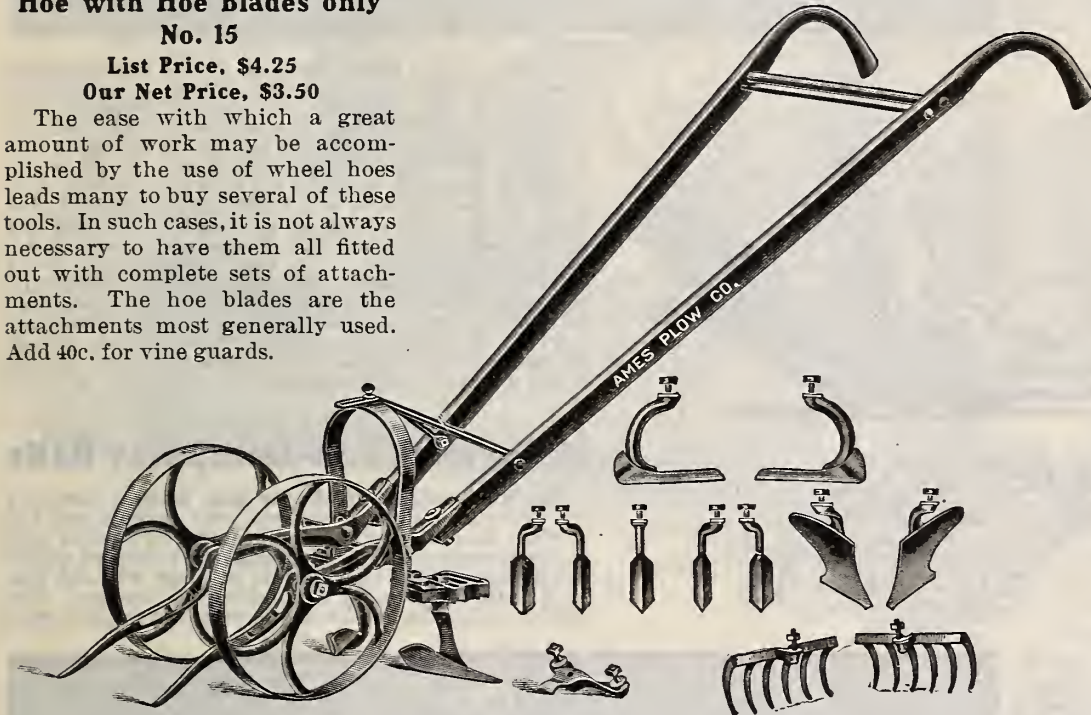


Matthews' New Universal Constellation Seeder, Hoe, Cultivator, Plow, Rake and Marker.

New Universal Double Wheel Hoe with Hoe Blades only No. 15

List Price, \$4.25
Our Net Price, \$3.50

The ease with which a great amount of work may be accomplished by the use of wheel hoes leads many to buy several of these tools. In such cases, it is not always necessary to have them all fitted out with complete sets of attachments. The hoe blades are the attachments most generally used. Add 40c. for vine guards.



New Universal High Arch Expansion Wheel Hoe, Cultivator, Rake and Plow, No. 26

List Price, \$9.50
Net Price, Boxed, \$8.00

High Arch, a Double or Single Wheel Implement at will

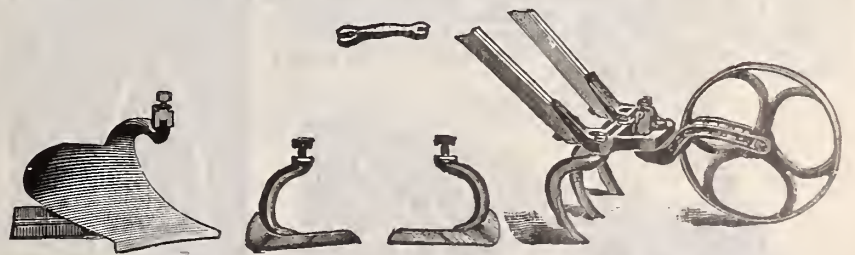
In this implement we have practically reproduced dimensions and purpose of our first attempt at a "Straddle-row" Weeder. The wheels are 12 inches in diameter, and the arch high enough to cultivate over plants 20 inches or more in height. Our Double Wheel Hoes, already described, meet all requirements, but we here present if possible a more complete implement of larger size.

New Universal High Arch Expansion Wheel Hoe, Cultivator, Rake and Plow.

New Universal No. 12 Single Wheel Hoe, Cultivator and Plow

List Price, \$5.00. Our Net Price, \$4.25

This implement is same as our regular Single Wheel Hoe, except in the variety of attachments, which are 1 Pair Hoes, 1 Pair Cultivators, 1 Center Cultivator, 1 Large Plow. If this kind is wanted, be sure and specify "No. 12." This implement and our Gem Drill make a most complete outfit for a small garden. The large plow attachment may be used to plow the garden, to open furrows for manure, to cover it again, and for other uses of any ordinary plow. The hoes are for shallow cultivation, and the cultivator teeth may be used when it is desired to run deeper.



New Universal No. 12 Single Wheel Hoe.

New Universal Double Wheel Hoe, Cultivator, Plow and Rake. Net Price, \$5.50

Nine adjustments of depth. Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the adjustable arch, by which not only the depth of work can be gauged, but which by an ingenious device enables the teeth to be pitched at any angle desired. It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe with successive strokes of length to suit the nature of soil and crop. It is so symmetrically constructed that in passing astride rows of large plants the foliage once raised by the vine guards meets no obstruction between the wheel arms and the arch, and is, therefore, dropped by the implement without unnecessary damage and without delaying the operator.

Our prices on Hubbard's Fertilizers are right. See inside back cover page

We are Selling and Transfer Agents for the Deering, McCormick and Walter Wood Mowing Machines, Rakes, Tedders and Corn Binders. We carry constantly in stock a full line of all their Repairs and Extra Parts. We would take pleasure in showing you any of these Machines.

McCormick New Big 4 Mower

The accompanying illustration shows the McCormick New Big 4 Mower, which is designed for agriculturists who grow grass extensively. The construction of this machine is the same as that of the McCormick New 4 Mower, with the essential parts proportionately larger and stronger. The bevel gear on this machine, as on all McCormick mowers, is very accurately made and bored, which insures an easy running and almost noiseless machine. The spur pinion and bevel gear are separate parts, the machine being thrown in and out of gear by means of a sliding clutch mounted on the countershaft, and having four malleable pins which are shifted to engage the ratchets of the spur pinion when the machine is to be started. The shipper handle controls the clutch and is operated by the foot of the driver. Immediate cutting action is imparted to the machine when it is thrown in gear, as the movement of the shipper handle causes the clutch pins to instantly engage the ratchets. A 6 or 7-foot cutter bar is supplied with this mower, which in a given time will go over a much larger area than can be gone over with the smaller machine. Sizes: 6-foot and 7-foot cut.



McCormick Corn Binder

The McCormick Corn Binder is compactly built, and constructed on right principles throughout. The width of the machine conforms to the average width of corn rows, and hence can be operated in almost



any corn field. After the corn is cut the conveyor chains immediately carry the stalks in an upright position to the binding attachment without any unnecessary handling. The machine forms square-butt bundles. The tall and shortest corn can be handled with equal facility, no matter whether the stalks be standing straight or blown down and tangled, for the dividers are sufficiently extended and wide enough to pick up all the stalks. The cutting mechanism comprises two stationary knives and a reciprocating sickle. The band adjustment has a range of twelve inches. The bundle carrier is simple in design and efficient in operation. The binder can be readily raised or lowered, and will cut a stubble varying in height from three to eighteen inches. This machine is made in two sizes, the short binder being adapted for short corn.

McCormick Self-Dump Hay Rake

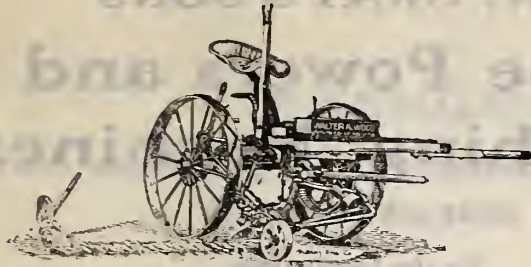
The McCormick Self-Dump Hay Rake is superbly constructed, and is in general use throughout the world. Specially selected, oil tempered steel is used in the manufacture of the teeth, the points of which are so shaped that they get all the hay without digging into the ground or picking up stones. The McCormick rake head is made very strong, the steel

angle bar being reinforced by a truss rod which extends nearly the entire length of the rake head, thus giving it the strength of an arch. The wheels will withstand the roughest usage encountered in raking over any ground. The spokes are staggered and have enlarged ends, which are tapered and threaded, by means of which the effect of a wedge fit in the hub is secured, in addition to the holding strength of the threads, and the wheels are sufficiently high to secure easy traction while the rake is in operation. The wheels are interchangeable—there are no rights or lefts. The thills can be easily changed to a pole, if desired.



Deering Ideal Corn Harvester

Walter A. Wood Two-Horse Tubular-Steel Mower



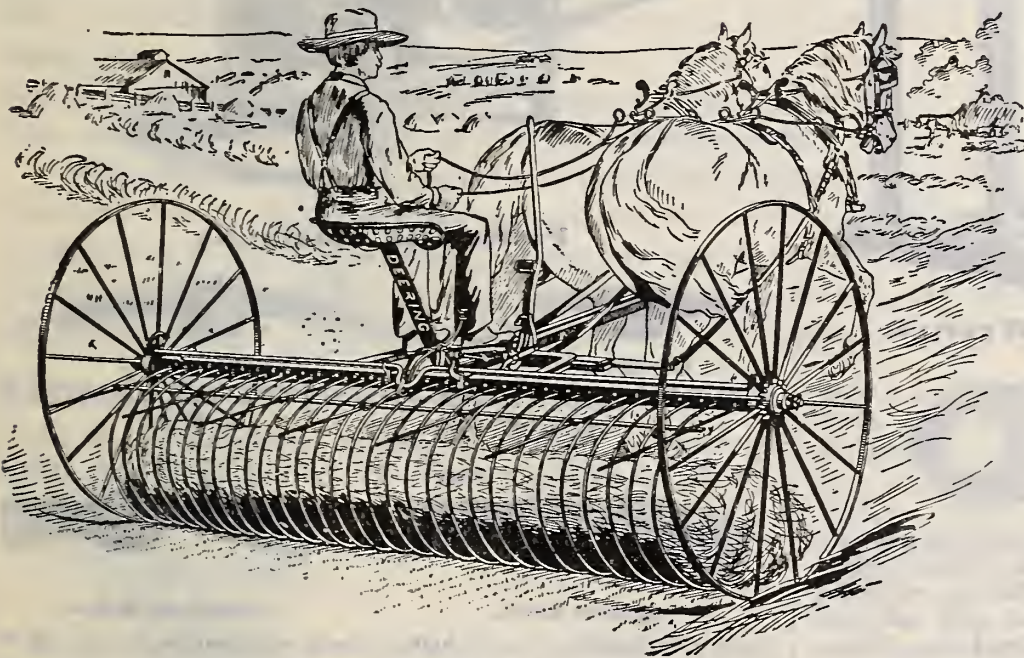
The best two-horse mower by all tests; and it is best because it is the easiest operated, the lightest running, the longest lived, mows cleanest, closest and cleverest under varying surface conditions. The tubular-steel frame gives it lightness with strength and rigidness. The mower is fitted with our incomparable tried and true steel roller bearings in the axle and cross shaft, which make the machine of very easy draft. The famous Wood "under hitch" takes all weight from the horses' necks. The rolling shoe on the cutter bar automatically adjust themselves.



Deering Mower.

Deering Ideal Mower, Binder, Corn Harvesters, Rakes, Twine and Oil

Here is food for reflection. There is not a mower built on this continent to-day but has within three years appropriated one or more of the features introduced by the Deering Ideal Mower. As soon as rival concerns apply a Deering idea they announce that their machines are "world beaters." Here are a few of the things that have been simulated or imitated. Horizontal crankshaft, adjustable drag-bar, spring-steel clips, steel wearing plates, serrated ledger plates, roller and ball bearings. The Ideal Mower contains numerous features of great intrinsic value to the farmer which cannot be imitated.



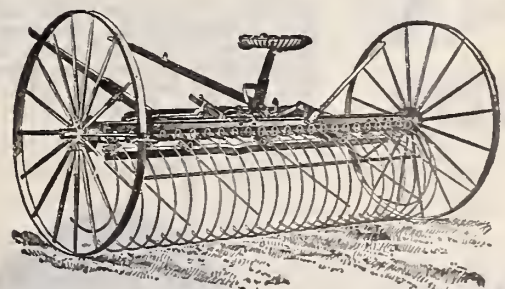
Deering Hay Rake.

Deering Ideal Hay Rakes

Can be operated by a child. Perfect steel under-cleaners, high carbon angle-steel axle. Can be dumped by hand or foot. Oil-tempered steel teeth of finest quality. Ninety-five per cent. of material finest high-carbon steel. Simplest dumping mechanism on earth; not a cog or pinion of any kind. Shouldered steel spokes in wheel, hot pressed at malleable hub and rim. Best steel rake on the market.

Walter A. Wood Steel Tedder

The 1905 model has many new and important improvements. It is all steel in construction, neat in appearance and light in weight. Steel roller bearings throughout. Height of forks from ground easily governed by adjusting lever. The forks throughout stir and turn the hay and can be thrown out of motion at will. They are made of crucible steel of right pattern and held in position by a stiff steel spring which yields sufficient to prevent breakage when at work on uneven surfaces. The shafts can be changed to pole by a simple adjustment and in a few seconds. The bearings where shaft passes through the forks have adjustable removable boxes, which when worn can be easily replaced at small expense; a most important improvement.



Walter A. Wood Dump Rake.



Walter A. Wood Steel Tedder.

Walter A. Wood Steel Self-Dump Rake

These rakes stand in a class by themselves. They never refuse to dump and yet are so constructed that they cannot dump until the tripping device is released. All the teeth are made of crucible steel and have a coiled spring which causes the tooth to closely follow even the most uneven ground and yet not break. Swing the hand lever forward to notch in front for absolutely hooking up of the teeth. If you want the lightest of strong rakes and the strongest of light rakes, you want the Wood Self-Dump Rake, made in four widths, viz.: 8 ft., 9 ft., 10 ft. and 12 ft.

... WE SELL THE FAMOUS ...

A. W. GRAY'S SONS Horse Powers and Threshing Machines

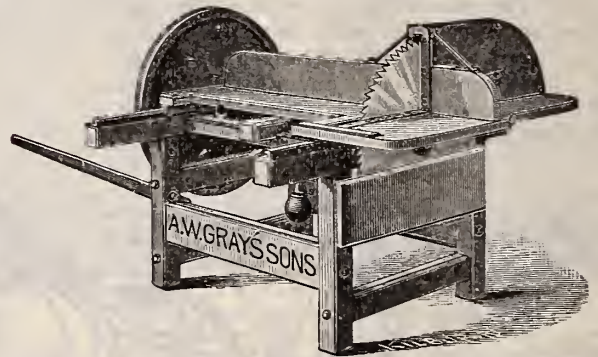
THERE ARE NONE BETTER

We also handle their



CIRCULAR SAW MACHINE



Which is the best on the market

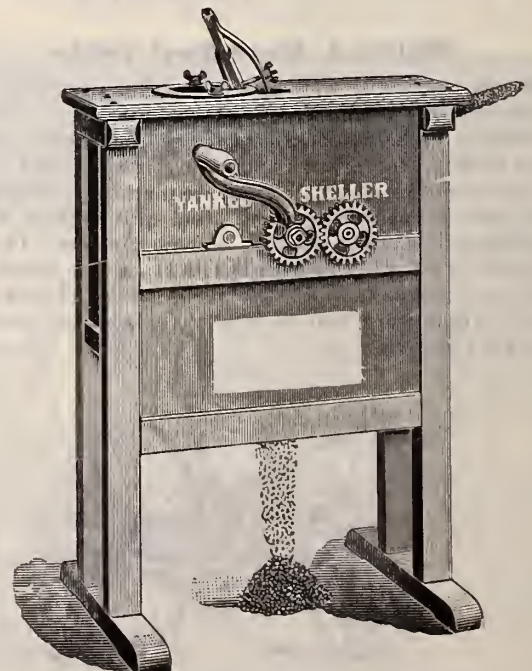
Catalogue and Prices on Application



Picks and Mattocks

- | | |
|--|---|
|  |  |
| Pick Mattock. | Railroad Pick. |
| Each, with handle..... \$1.00 | Each..... \$0.75 |
| Contractor's Pick, each..... \$1.00 | |

- | | |
|--|---|
|  |  |
| Long Cutter Mattock. | Short Cutter Mattock. |
| Each, with handle..... \$1.00 | Each, with handle..... \$1.00 |



Yankee Corn Sheller, with Separator, \$6.50

Champion Root and Vegetable Cutter

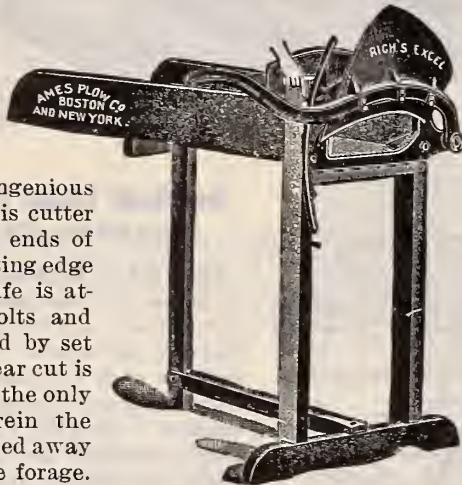
Price, \$6

This machine is made with a wrought shaft with sections of knives fastened to it, and so arranged that a rotation of knives are continually passing, a bed knife with cross knives passing between the sections of knives, cutting always near the center shaft, making it cut easy and fine enough for cattle or sheep; also

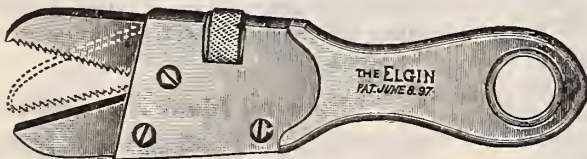
making a very regular cut. It will cut one bushel of roots per minute.

Rich's Excel Feed Cutter

The latest and most successful Lever Feed Cutter on the market is the Rich's Excel. By an ingenious contrivance the lever of this cutter is held in bearing at both ends of the knife, keeping the cutting edge against the bed. The knife is attached to the lever by bolts and adjusted to the cutting bed by set screws. Thus a perfect shear cut is always insured, and it is the only machine of its class wherein the knife is not liable to be forced away from the cutting bed by the forage.



"The Elgin" Adjustable Wrench



The handiest wrench made. Will hold square, hexagon or round nuts, pipes, nipples, collars and rods. Designed for use as a handy wrench that can be carried in the pocket, used for all purposes and easily and accurately adjusted. It is all steel, fully nicked, with both jaws hardened. Length, 7 inches; weight, 10 ounces. Price, \$12 per dozen.

Monkey Wrench Pipe Jaw

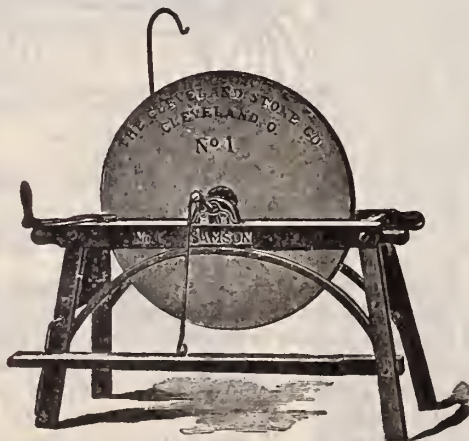


Monkey Wrench
Pipe Jaw.

Buy a set of teeth for your monkey wrench. We make them and they fit any 10 or 12 inches long. It saves carrying two heavy wrenches and really makes a better and more reliable pipe wrench than you can buy for twice the price of a monkey wrench. Price 25 cents.

Grindstones

We carry a large assortment of grindstones, with or without frames, and also a full line of grindstone fixtures.



Mounted Stone.

POTATO GROWERS, ATTENTION!

HARMON'S PURE HYDRATED LIME

for making Bordeaux Mixture, Whitewashing, Disinfecting
and Fertilizing

Harmon's ready-to-use Bordeaux Lime has all the good properties of the best quality lump lime and none of its disadvantages. It requires no slaking or straining, is free from impurities and ready for immediate use. If stored in a dry place will not absorb moisture or change with age. Is put up in paper-lined burlap sacks of 100 pounds each.

Bulletin No. 98, **Maine** Experiment Station, says: "The ready prepared lime was more convenient to use than the ordinary lump lime. The prepared lime does not carry as much lime per pound as pure lump lime. Since lump lime always carries more or less impurities (sand, etc.) which are largely removed in the manufacture of the prepared lime, five pounds of prepared lime is sufficient to use with five pounds of copper sulphate in the preparation of Bordeaux Mixture. In this trial Bordeaux Mixture made by the use of prepared lime was as effective against blight as that prepared in the usual way. The prepared lime costs more per pound than the lump lime, but its use saves time, and hence may not in the end prove more expensive."

Whitewash your stables, pig sties, henneries, cellars and other buildings where filth is likely to accumulate with Hydrated Lime. By using with a spray pump one man can cover more surface in a given time than five men with brushes, and do much better work. About two pounds of Hydrated Lime to a pail of water is sufficient. A small quantity of Hydrated Lime sprinkled dry about your stable each day will keep it pure and sweet.

Hydrated Lime is valuable as a fertilizer. Agents wanted.

Formula for Preparing Bordeaux Mixture

All things considered, the best results will be obtained from what is known as the 50 gallon formula of this preparation. This contains:

Water,	50 gals.
Copper Sulphate,	5 lbs.
Prepared Lime,	6 lbs.

It has been found that the method of combining the ingredients has an important bearing on both the chemical composition and physical structure of the mixture; for example, if copper sulphate is dissolved in a small quantity of water and the lime milk diluted to a limited extent only, there results, when the materials are brought together, a thick mixture, having strikingly different characters from one made by pouring together weak solutions of lime and copper sulphate. Where the mixture has been properly made there is scarcely any settling after an hour, while the improperly made mixture has settled more than one-half.

Briefly, the best results have been obtained from the use of Bordeaux Mixture made in accordance with the following directions: In a barrel or some other suitable vessel place 25 gals. of water. Weigh 5 lbs. sulphate of copper, tie the same in a piece of coarse gunny sack and suspend it just beneath the surface of the water. By tying the bag to a stick laid across the top of the barrel no further attention will be required. In another vessel place 6 lbs. of prepared lime, adding water enough to form a very thin paste, say to the constituency of cream. Always pour the water on the lime, using care that the

lime is thoroughly mixed and that no small lumps remain. This special lime is ground and pulverized to such a fineness that it is impossible for the sprayer to become clogged by its use if proper care is taken, and is most valuable for this mixture. When the lime is properly prepared add sufficient water to bring the whole up to 25 gallons. When the copper sulphate is entirely dissolved and the lime is properly prepared, pour the lime milk and copper sulphate solution slowly together into a barrel holding 50 gallons. The milk of lime should be thoroughly stirred before pouring. The method described insures good mixing, but to complete this work the barrel of liquid should receive a final stirring for at least three minutes with a broad wooden paddle.

It is now necessary to determine whether the mixture is perfect; that is, if it will be safe to apply it to tender foliage. To accomplish this, a simple test may be used. First insert the blade of a knife in the mixture, allowing it to remain for at least one minute. If metallic copper forms on the blade, or, in other words, if the polished surface of the steel assumes the color of copper plate, the mixture is unsafe and more lime must be added. If, on the other hand, the blade of the knife remains unchanged, it is safe to conclude that the mixture is as perfect as it can be made.

In mixing larger quantities of this mixture, the above rules should be followed in the same proportions. To obtain the best results in the use of Bordeaux Mixture or any fungicide, it is necessary that it should reach all parts of the plant subject to the attack of fungous parasites.

Price, 90c. per 100 lbs. \$15.00 per ton.

Hay Carrier Fixtures

We are headquarters for all Hay Carrier Fixtures, and can sell them to you at right prices.

A Complete Line of Hay Carrier Forks

24-inch Double Harpoon Fork, Nellis Single Harpoon Fork, Four-tine Grapple Fork,
 31-inch Double Harpoon Fork, Six-tine Grapple Fork, Walker Single Harpoon Fork.

The Myers Haymaker Carrier. This carrier is both swivel and reversible; can be reversed by pulling the rope through, and is provided with swivel, thus giving the operator the advantage of either method. The lock and tripping mechanism is composed of two parts, has no springs, is very simple, sure and reliable. The special construction of this carrier brings the working parts close up to the track. The stop has two inclines, allowing the carrier to approach it from either direction. The fork pulley has clevis for attaching the hay fork. The carrier has flange wheels placed in such a way as to cover sufficient surface on the track so that the load is distributed on all four wheels. Has good-sized rope sheaves, placed apart so as to get the best results, avoiding trouble by the twisting of the rope. The carrier is made throughout of malleable iron, heavy and strong, from patterns of the most approved design. All rope wheels revolve on large bushings.

"Diamond" Steel Track Hay Carrier. Our "Diamond" Hay Carrier, Provan's Patent, is a combination Swivel and Reversible Carrier, and is superior to all others, because it has a perfectly working locking device; its construction is simple, action instantaneous; is easily operated and cannot fail to work properly.

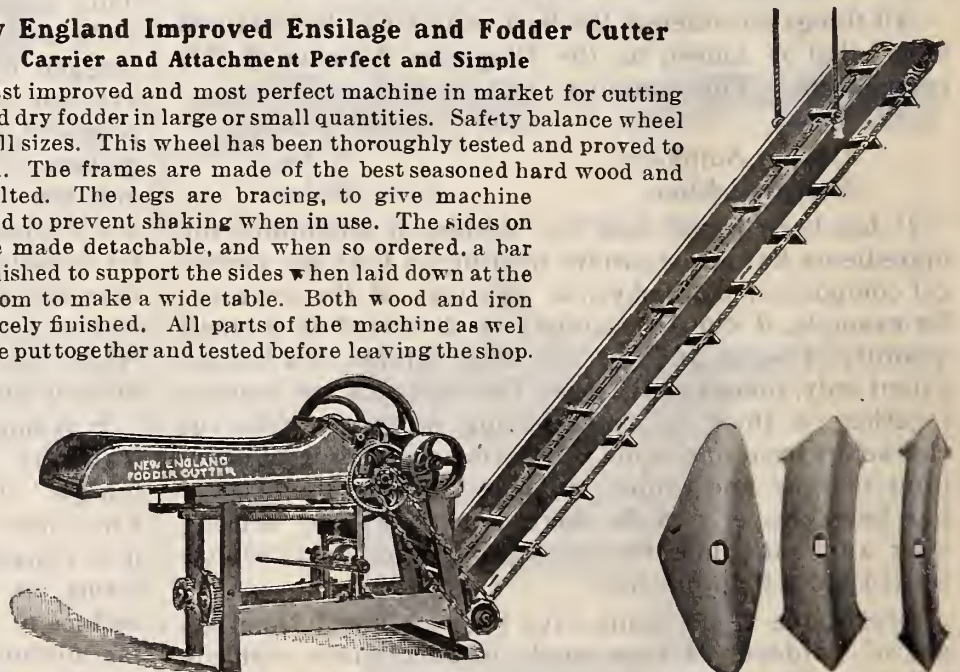
A very important feature in the "Diamond" Carrier is the fact that the car can pass the stop, or any number of stops if required, without releasing the fork or load, or without any hindrance to its moving along. This is often very convenient and even necessary. It is a patented invention and is found only in the "Diamond" Carrier.

Our "Diamond" Wood Track Carrier is made on the same principle as Steel Track Carrier; the only difference is that it is adapted to Wood instead of Steel Track.

Rafter Brackets, Iron Pulleys, Wood Pulleys, Steel Pulleys, Knot Passing Pulleys, Grapples made from 1½ tire steel manufactured expressly for us with heavy chain; Floor Hooks, Drive Screws, Rope Hitch, Steel Track, Wood and Steel Track Hanger Hooks, and all other Hay Carrier Supplies.

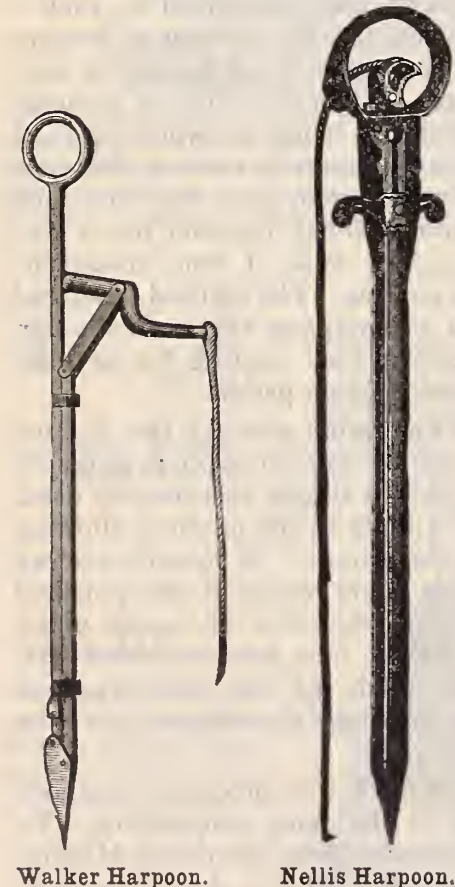
The New England Improved Ensilage and Fodder Cutter Carrier and Attachment Perfect and Simple

The latest improved and most perfect machine in market for cutting ensilage and dry fodder in large or small quantities. Safety balance wheel is used on all sizes. This wheel has been thoroughly tested and proved to be practical. The frames are made of the best seasoned hard wood and strongly bolted. The legs are bracing, to give machine firmness and to prevent shaking when in use. The sides on all sizes are made detachable, and when so ordered, a bar will be furnished to support the sides when laid down at the side of bottom to make a wide table. Both wood and iron work are nicely finished. All parts of the machine as well as carrier are put together and tested before leaving the shop.



Ensilage and Fodder Cutter.

Cultivator Steels.



Walker Harpoon.

Nellis Harpoon.

Neck Yoke.....	\$1 00	Cultivator Short Hillers, per pair.....	\$1.00
Singletree.....	.75	Spring Harrow Teeth.....	.35
Doubletree.....	2.00	Spike " " per lb.....	.05
Tripletree.....	2.75	Sections, all kinds.....	.05
Cultivator Steels.....	.10	Rivets, per lb.....	.20
Cultivator Long Hillers, per pair.....	1.25	Tedder Forks, all kinds.....	\$.30

Files

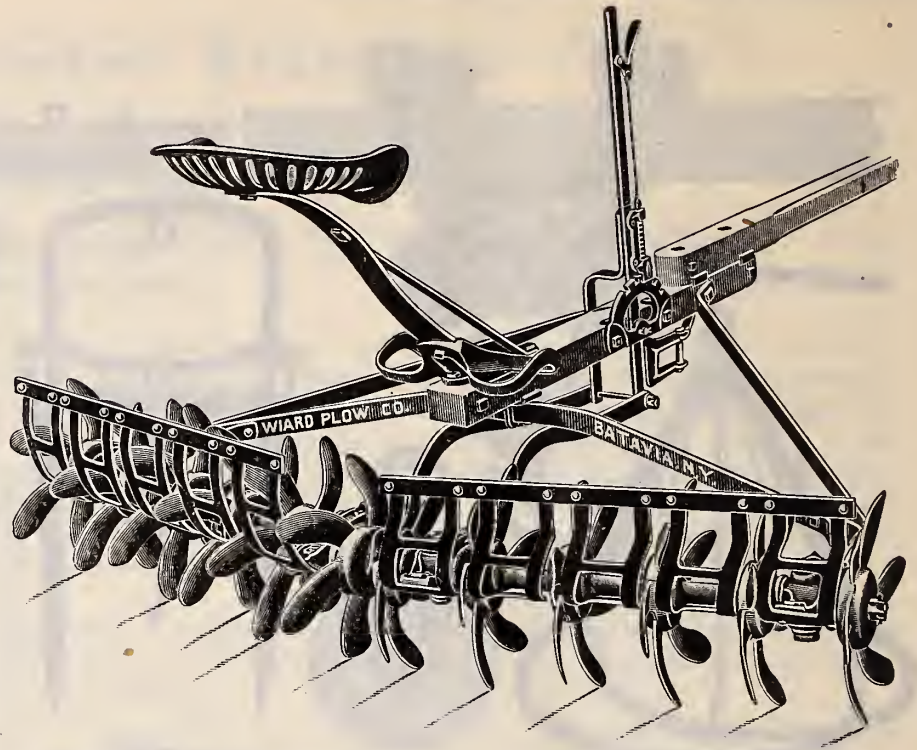
We carry the celebrated Arcade files in all patterns. It comes the nearest to a hand cut file of anything made, and we warrant every one sold. Among those most commonly in use we mention the following: Slim Tapers, Regular Tapers, Mill Fine Bastard, Flat Bastard, ½ Round Bastard, Round Bastard, Square Bastard, ½ Round Wood Rasp, Tanged Horse Rasps.



The Morgan Patent Spading Harrow

This engraving shows our Morgan Patent Spading Harrow, Styles A and C, for two or three horses, with a cleaner attachment, which we furnish in the various sizes. The 6-foot, Style A, standard size for two horses, with cleaners, *but no other extra parts*, is always shipped unless otherwise ordered. All these styles have the cleaner attachment, preventing loading or clogging when ground is wet and trashy, and when harrowing in manure, straw or rubbish. The frames of all these harrows are made of the best wrought iron and steel, and are arched so that they will easily pass over uneven ground and any ordinary obstructions. The blades are S-shaped, each being made from one solid piece of spring steel; they cut into and lift the soil to the depth of 4 to 6 inches, turning and pulverizing the ground precisely like the hand spade. The gangs can be adjusted to any desired angle by the hand lever; they float freely, and thoroughly pulverize and level hard, lumpy and uneven fields. For fitting fall-plowed fields, especially if the soil be heavy or packed by rains, the Spading Harrow will show its great superiority over all others. For work in stony ground, and on newly-cleared land where there are roots and stumps, the S-shaped blades offer less resistance than those of any other rotary harrow, and do effective work where no other will prove satisfactory. For deep and fine cultivation no other harrow equals it; unplowed corn stubble or hard-packed soils are made loose and friable to a depth of five to six inches, and, if used on light and mellow ground, as shallow work can be done as desired by taking off the weight of the driver and setting the gangs at a slight angle. No more durable harrow can be devised. The blades last a long time and can be easily replaced, and these are the only parts subject to wear. These harrows are made under four broad United States and many foreign patents, and every harrow is warranted against any defect in material, which is of the best quality obtainable.

Style A, One-horse 3 feet wide, 8 sets spades, 2 x 16 inches.
 A, Light two-horse.... 4 8 2 x 16



Style A, Light two-horse....	5 feet wide,	10 sets spades,	2 x 16 inches.
" A, Standard two-horse.	6 "	12 "	2 x 16 "
" A, Two or three-horse.	7 "	14 "	2 x 16 "
" C, Heavy two-horse .	6 "	12 "	2 1/4 x 18 "
" C, Two or three-horse,	7 "	14 "	2 1/4 x 18 "
" C, Three-horse.....	8 "	16 "	2 1/4 x 18 "
" D, Light one-horse....	3 "	8 "	2 x 13 "
" D, Light two-horse....	6 "	14 "	2 x 13 "
" E, Heavy 2 or 3-horse..	6 "	12 "	2 1/4 x 20 "
" E, Heavy 2 or 3-horse..	7 "	14 "	2 1/4 x 20 "
" F, Heavy 3 or 4-horse..	8 "	16 "	2 1/4 x 20 "
Special Cotton and corn....		10 "	2 x 16 "

Stable and Street Blankets

During the past year we have added to our stock a line of Street and Stable Blankets. Our sales during the past year have been very satisfactory. The Blankets have proven exceptionally good and we offer them with the fullest confidence that they will please our customers. Below we give you a list of the sizes and a description of the Blankets which we carry constantly in stock, and we should be pleased to receive orders. Short stays run to first surcingle only, long stays run to second surcingle only. Fifty blankets in a bale.

Stable Blankets

- No. A. Burlap, unlined blanket, 72 and 76 inch sizes.
- No. B. Burlap, half-lined blanket, 72 and 76 inch sizes.
- No. C. Burlap, three-quarter-lined blanket, 72 and 76 inch sizes.
- No. D. Full-lined, 10 1/2-oz. burlap blanket, strap on the front, web surcingle, 72 and 76 inch sizes.
- No. E. Full-lined, burlap blanket, with a little better lining than No. D, and 2-inch trimmed, in 72, 76 and 80 inch sizes.
- No. 7. Full-lined, burlap blanket, 2-inch trimmed, 8 rows stitching, with fabric lining. Fabric lining is where the lining is pricked through the burlap so that it shows on both sides. 72, 76 and 80 inch sizes.
- No. 10. Heavy burlap blanket, fabric lined, 20 rows stitching, 72, 76 and 80 inch sizes.
- No. 18. Plaid burlap, with fabric lining, 2-inch trimmed, 72, 76 and 80 inch sizes.
- No. 31. Brown duck, with woven wool lining, 1 1/2-inch trimmed, with surcingle and strap, 72, 76 and 80 inch sizes.
- No. 34. Brown duck, with fabric lining, 20 rows stitching, 72, 76 and 80 inch sizes.
- No. 36. Brown duck, with fabric lining, 8 rows stitching, 2-inch trimmed. Has little better lining than No. 34, being a dark brown colored lining. 72, 76 and 80 inch sizes.
- No. 45. Extra heavy dark brown duck, extra heavy dark brown lining, 20 rows stitching, 2-inch trimmed. Extra nice. 72, 76 and 80 inch sizes.
- No. 57. Plaid duck, 1 1/2-inch trimmed, fabric lining, 72, 76 and 80 inch sizes.
- No. 100. Printed check, fabric blanket. This is a light burlap blanket, with the fabric pricked through on both sides and printed in checks. In one size only, 72 inch.
- No. 110. Fawn color, with fabric lining, full trimmed, 72, 76 and 80 inch sizes.
- No. 120. Printed fawn in squares, with fabric lining, full trimmed; better quality of lining and trimming than No. 110. 72, 76 and 80 inch sizes.

Square Street Blankets

Striped

- Size 84 x 90, four styles: Astral, Winter Prince, Dallas (7 lbs.) and Hussar (8 lbs.).
- Size 90 x 96, one style: Monroe (9 lbs.).
- Size 80 x 84, two styles: Leonora, Cedar (6 lbs.).
- Size 76 x 80, two styles: Albert, Glendale (5 lbs.).

Plaid

- Size 76 x 80, one style: Lincoln (5 lbs.).
- Size 80 x 84, three styles: Douglass (6 lbs.), Holbrook (6 lbs.), Corsica (6 lbs.). Pattern 8490.
- Size 84 x 90, four styles: Mansfield (7 lbs.), Sterling (7 lbs.), Scott (7 lbs.), Valencia (7 lbs.). Pattern 8462.
- Size 90 x 96, one style: Saxon (9 lbs.). Pattern 8504.

Blue Striped

- Size 80 x 90, one style: Blue Prince (7 lbs.).

Fawn Striped

- Size 84 x 90, one style: Delaware (7 lbs.).

Lumbermen's Blankets

- No. 510. Fabric lining, 20 rows stitching, 5-oz. duck, 76 inch style.
- No. 520. White duck, 20 rows stitching, 8-oz. duck, woven woolen lining, 80, 84 and 90 inch sizes.
- No. 530. 45-inch heavy brown duck, 8 1/2-oz., fabric lining, 80, 84 and 90 inch sizes.
- No. 535. 45-inch heavy brown duck, 8 1/2 oz., deep woven woolen lining, 80, 84 and 90 inch sizes.
- No. 545. Same style blanket as No. 535, only with 10-oz. duck, 80, 84 and 90 inch sizes.
- No. 527. Low price white duck, 20 rows stitching; an 80-inch blanket.

Hubbard's Fertilizers are not made by the trusts. See inside back cover page

Steel Shovels, Scoops, Etc.

- D handle square point shovels.
- Long straight handle square point shovels.
- Railroad shovels.
- D handle spades.
- D handle steel scoops.
- Long straight handle furnace scoops.
- D handle furnace scoops.
- Wooden potato scoops.
- Post Hole Diggers.
- D handle round point shovels.
- Long straight handle spades.
- Ditching spades.
- D handle iron scoops.
- D handle wire potato scoops.
- Post hole spoons, 6, 8, 10 and 12 ft.

Handles

- Straight hay fork handles.
- Long straight manure fork handles.
- Manure fork handles, malleable D.
- Hoe handles.
- Ice pick handles.
- Bent hay fork handles.
- D manure fork handles.
- Shovel handles.
- Rake handles.
- Cant dog handles.

Hay Forks

- 2-tine oval, 11-12-inch tine, bent handle, plain ferrule.
- 3-tine oval, 12-13-14-15-inch tine, bent handle, plain ferrule.

Manure Forks

- 4-5-6-tine oval, long handle, plain ferrule.
- 4-5-6-tine oval, D handle, plain ferrule.

Spading Forks

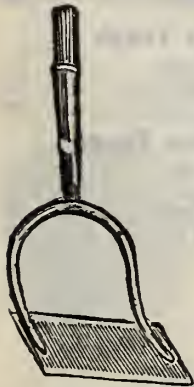
- 4-5-tine, D handle, diamond back.

Socket Hoes

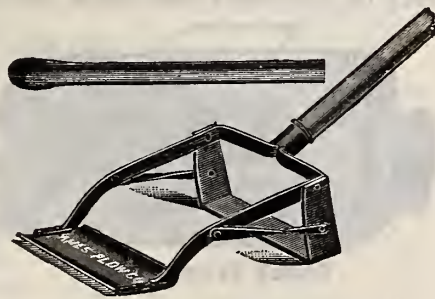
- Full bright finish Socket or Field Hoe.
- Full bright finish Shank or Field Hoe.
- Meadow, Street and Mortar Hoes.

Scuffle Hoes

- 8-inch, with 6-foot handle..... \$0.50
- 9-inch, with 6-foot handle..... .75



Scuffle Hoe.



Arlington Scuffle Hoe

6, 7, 8 and 9 inches.

Cast Steel Garden Rakes

- 10-tooth, cast steel Garden Rake..... \$0.40
- 12-tooth, cast steel Garden Rake..... .45
- 14-tooth, cast steel Garden Rake..... .50
- 16-tooth, cast steel Garden Rake..... .55
- 18-tooth, cast steel Garden Rake.....

Manure Hooks

- 4-prong Manure Hook.
- 5-prong Manure Hook.

Goose-Neck Potato Hooks

- 4-5-6-tine oval Goose-Neck Potato Hooks, solid steel shank.

Clam Hooks

- 5-prong Clam Hook.
- 5-prong heavy Clam Hook.
- 6-prong Clam Hook.
- 6-prong heavy Clam Hook.

Fuller's Unique Wheel Hoes. Adjustable to any height of handle desired. Price, \$2.50.

Fuller's Daisy Scuffle Hoes. For hoeing between rows of closely planted crops. 6-inch, 40c.; 8-inch, 50c.

Fuller's Daisy Hand Weeders. Best hand weeder on market. 40c to 60c.



Sidewalk Cleaners.

Scythes, Scythe Snaths and Scythe Stones

- High grade solid steel scythes..... 34 to 42 inches
- Clipper scythes..... 34 to 42 inches
- Bramble scythes..... 30 inches
- Bush scythes..... 18 to 21 inches

Scythe Snaths

- No. 50, patent loop..... \$0.65
- No. 65, cherry, patent loop..... .75
- No. 105, bush snaths.....



Meadow King Scythe Rifles

Price, 10c. each.



Farmer's Friend Scythe Rifles

Price, 10c. each.



Mowing Machine Sharpeners

Three-cornered Blue English Emery Mowing Machine Sharpeners, one of the best sharpeners on the market. Price, 20c.

Scythe Stones

- Black Diamond.** A finer gritted stone than the Indian Pond, and at the same time very sharp and fast cutting.
- Farmer's Choice.** Flat, beveled edges; a good, reliable scythe stone.
- Indian Pond.** This is very sharp gritted, and is strong and hard enough to cut away steel, yet will not glaze.
- Willoughby Lake.** Bluish gray in color. Fine, sharp grit. Round and oval in shape.
- Chocolate.** A very fine, sharp-gritted stone of a rich blue-chocolate color.



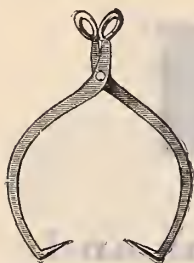
Drag Rakes

Made from selected stock
Oiled Heads

- Our net price, each.. \$0.75
- Extra teeth, dozen... .20
- Extra pins, dozen... .20

Hand Hay Rakes

- 3-bow Casco, extra bent and clear stock..... \$0.35
- 2-bow Casco, extra bent and clear stock..... .30
- 3-bow Casco B, bent handle..... .30
- 2-bow Casco B, bent handle..... .25
- 2-bow No. 07, straight handle..... .20



Ice Tongs

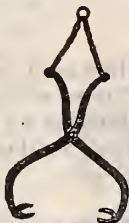
No. 36, Drag or Stowing Tongs. Long Handle. For stowing ice. Price, \$1.75.

No. 35, Lowering Tongs. For use where there is little room, as filling ice boxes and large refrigerators, etc. Price, \$1.80.

Ice Tongs. Made of the best steel, with swell handles, and we call special attention to our improved points, which we consider superior to any in the market in their working qualities.

- No. 2, 18-inch spread..... \$0.75
- No. 3, 21-inch spread..... .80
- No. 4, 24-inch spread..... 1.00

No. 33, Hoisting Tongs. Used for hoisting and lowering ice, hoisting direct from the water to platform, loading vessels, filling houses, etc. They are made of stiff steel and pointed with cast steel. Price, with claw points, \$4.00.



No. 33.

Butter and Cheese Trier

In all sizes and designs.

- Cheese Trier, rosewood handle, nickel..... \$2.50
 - Cheese Trier, steel, one piece..... .35
 - Butter Trier, 17 inches long, nickel, two pieces..... 1.00
- (Also many other styles and sizes from 25c. up)

The Canton Hoist

The Canton Hoist can be used perpendicularly, horizontally and at any angle. It elevates, lowers, locks and unlocks with one rope only, at operator's will, having both hands free to control the load. No losing the hold by using one hand to handle extra trip rope. The heavier the load the better it holds.

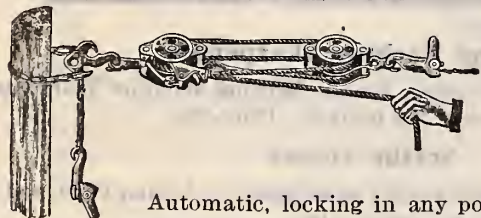
Capacity	One man can lift	Rope	Each
No. 27, 1,800 lbs.....	500 lbs.....	7/8-inch.....	\$8.00
No. 33, 1 500 lbs.....	500 lbs.....	5/8-inch.....	5.00
No. 37, 800 lbs.....	400 lbs.....	1/2-inch.....	3.50



Canton Hoist.

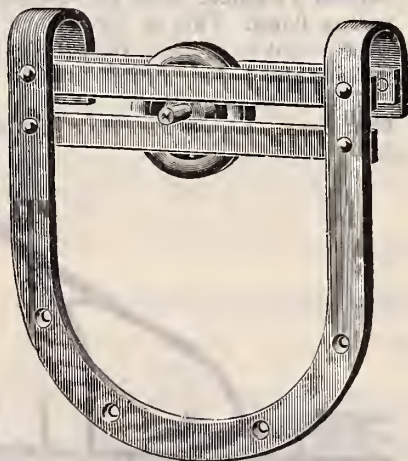
Automatic, locking in any position. Similar in principle to the Canton Hoist. \$1.00.

CANTON WIRE STRETCHER.



Lane's Barn Door Hanger

- Standard Pattern No. 1, for door to slide 5 feet, per pair, 75c.
- Standard Pattern No 1 1/2, for door to slide 10 feet, per pair, 85c.
- Standard Pattern No. 2, for door to slide 10 feet, per pair, \$1.



Lane's Steel Track

For barn door hangers, per foot, 6c.

The Prouty Barn Door Hanger

Guaranteed for 25 years to carry any 800 lb. door. The only hanger that has shaft roller and roller cups all hardened. Price per pair, 65c.

Weather Vanes

All our vanes are made of copper and gilded with 23-karat gold-leaf that will remain bright for years. The prices of these vanes include iron spire with steel spindle point, points of the compass, copper balls, gilt letters. Send for complete catalogue and special price-list.

Galvanized Poultry Netting

The sale of poultry netting is increasing yearly, and in consequence the market is flooded with cheap makes, short in lineal measurement and width, and poorly galvanized. For our climate only the very best should be used, as it will prove cheaper by far in the long run. Ours is galvanized after weaving, which is an important fact, as it covers the joint completely, allowing no opportunity for rain or moisture to enter.

Chicken netting, No. 20 wire, 1-inch mesh. Bales containing 150 running feet. Widths in stock, 12-, 18-, 24-, 30- and 36-inch.

Poultry netting, No. 19 and 20 wire, 2-inch mesh. Bales containing 150 running feet. Widths in stock, 12-, 18-, 24-, 30-, 36-, 48-, 60- and 72-inch. Write for prices.

Galvanized Poultry Netting Staples. Price per pound, 10c.



Blake Game Traps

- No. 0, for Rats.....\$0.15
 - No. 2, for muskrats.....\$0.25
 - No. 1, for minks......20
 - No. 2 1/2, for skunks......30
- Price of traps is without chain.

Blake Trap Chains

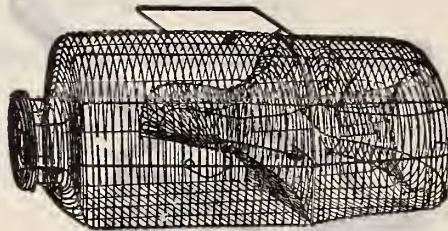
- No. 1, for Nos. 0 and 1 traps...\$0.08
- No. 2, for Nos. 2 and 2 1/2 traps... .10

Rat Traps

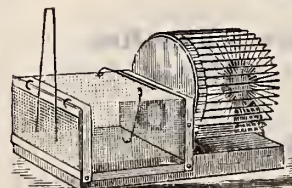
- French Pattern..... 50
- Square Wire......25
- Erie Break Back......15

Mouse Traps

- Round Wood......10
- Square Wood......10
- French Pattern......35
- Sure Death......10
- Wheel Toy......15
- Round Tin......10



French Pattern Trap.



Wheel Mouse Trap.



Sure Death Mouse Trap.

Broom Rack

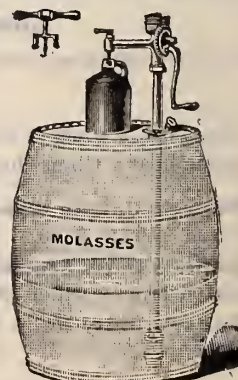
- No. 1, Stationary.....\$2.00
- No. 3, Revolving.....\$2.50

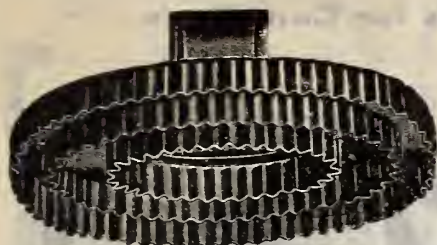
Ox Goads. Select white oak, hand-made, plain, 25c. With brad, 30c.
Whip Stocks. Select white oak, hand-made. Strapped, 30c.

Enterprise Self-Priming and Measuring Pump

Tinned

For measuring molasses, heavy oils, tar and other thick liquids. Each revolution of the crank pumps a gill, 4 revolutions a pint, etc. No priming is necessary; simply insert in the barrel and it is ready for use. Has a patent clamp, operated by a thumb-screw only, to fasten to barrel. Extreme length, 54 inches.





Reform Curry Comb.

Curry Combs

- No. 400, closed back.....\$0.15
- No. 239, closed back..... .25
- No. 500, open back15
- No. 536, closed back,
Gun Metal.25

Reform Curry Comb

☐ The best and most humane comb on the market. 25c.

Kentucky Cow Bells

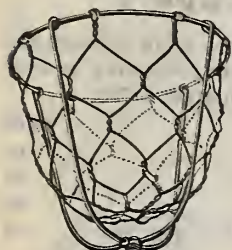
- No. 0.....\$0.50
- No. 1..... .40
- No. 2..... .35
- No. 3..... .25
- No. 4..... .20

Sheep Bells, with Strap

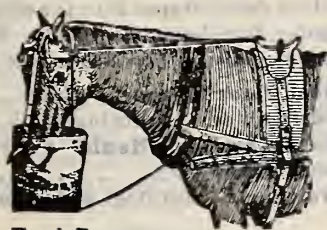
- No. 11.....\$0.30
- No. 12..... .35
- No. 13..... .40
- No. 14..... .45
- No. 15..... .50

Cattle Cards

- No. 2, large..... .15
- No. 4, small..... .10
- No. 04, small..... .08



Ox Muzzle.



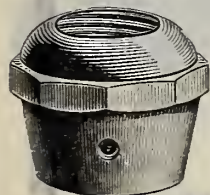
Feed Bag.

Feed Bags

- O. B. Ventilated.....\$0.75
- Modoc. Plain canvas30

Ox Muzzles

- No. 16, with guards, pair..... .50
- No. 16, without guards, pair..... .30



Ox Ball

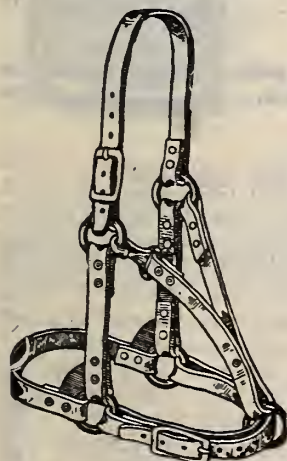
Ox Balls

- No. 0, Brass..... .10
- No. 1, Brass..... .10
- No. 2, Brass..... .10
- No. 3, Brass..... .10
- No. 4, Brass..... .10

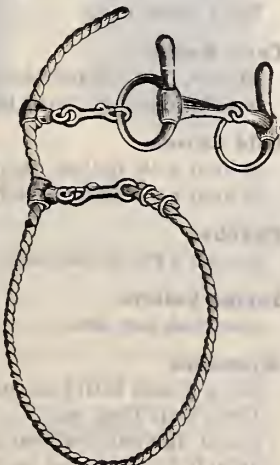
The Celebrated Staples Halter

What we claim for the Staples Halter is this: We have never been able to find a horse, however vicious, that could get it off when properly adjusted. It can be buckled up so as to make it small enough for a colt a year old, or let out large enough for a 1,200-lb. horse. Price, \$1.25.

Dandy 5-Ring. Black leather, 1¼ inch. A good trade. Price, \$1.00.



Staples Halter.



No. 2.

Jute Cattle Ties

- No. 650, one snap and one slide, 8½ feet..... \$0.15
- No. 672, two snaps and one slide, 10 feet..... .20
- No. 674, one snap and one slide, 6½ feet..... .10

Sisal Cattle Ties

- No. 655, one snap and one slide, 8½ feet..... .20
- No. 667, two snaps and one slide, 10 feet..... .25

Cattle Leaders

- No. 1, for small cattle..... .10
- No. 2, for large cattle..... .15

Bull Leaders

- With 4½ foot staff..... 1.00
- Without staff..... .40



Corner Manger.



Iron Feed Rack.



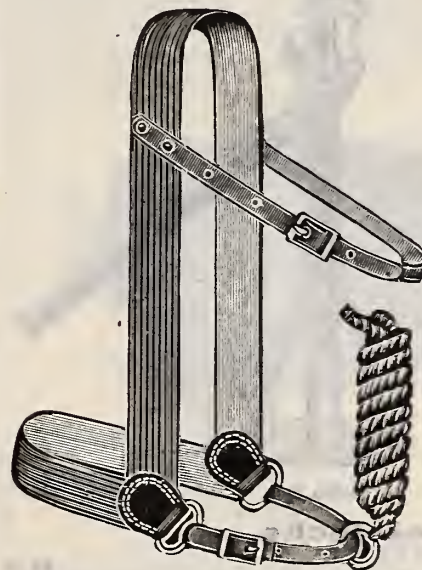
Corner Hay Rack.

Iron Corner Feed Manger, \$1.25.

Iron Corner Feed Racks, \$1.35

Corner Hay Racks, wrought iron rods, \$1.75.

Halters and Surcingles



We show a good line of Web Halters and Web Surcingles.

- No. 84, Web Chin Halter, fancy colors..... \$0.25
- No. 85, Leather Chin Halter, fancy colors..... .30
- No. 4¾, Web Throat Halter, fancy colors..... .20
- No. 21, Web Surcingle, not padded, fancy colors, 2¾ inches wide..... .15
- No. 30, Web Surcingle, padded, fancy colors, 2¾ inches wide..... .25
- No. 33, Web Surcingle, padded, fancy colors, 4 inches wide, heavy..... .35

Horse Clippers

- Empire State..... \$1.00
- National New Market..... 1.75
- X L Ball Bearing..... 2.25
- Royal Fetlock..... 1.25

Cow Chains

- 3-foot open ring..... .20
- 3½-foot open ring25
- 4-foot open ring..... .30
- 4-foot open ring, heavy..... .35
- 4½-foot open ring, extra heavy, for large oxen and bulls..... .40

Bull Rings

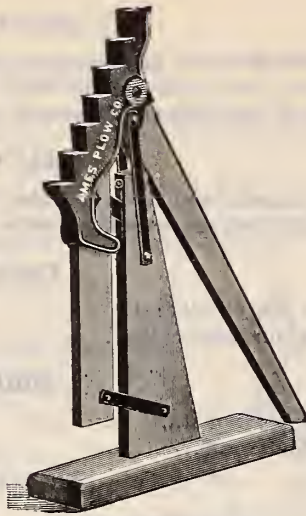
- Copper, 2½ inch..... .20
- Steel, 2½ inch..... .15

Chains for Hanging Pots

- Tinned, new design.....\$0.12
- Brass..... .15



Oliver Jack.



Prescott Jack.

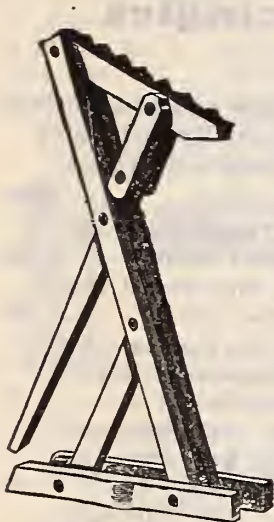
Improved Oliver Jacks

Are easily adjustable to any height by grasping handle and sliding the bracket up and down. Pulling down the handle will raise 2½ inches, and locks by passing the center. Lifting range, 24 inches.

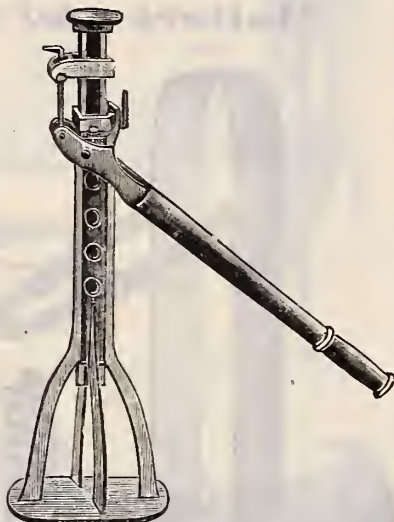
No. 1.....\$1.25 No. 2.....\$2.00 No. 3.....\$3.75

Prescott Jacks

No. 1, standard, each..... \$1.00
 No. 2, standard, each..... 1.50
 No. 3, standard, each..... 1.75



Yankee Jack.



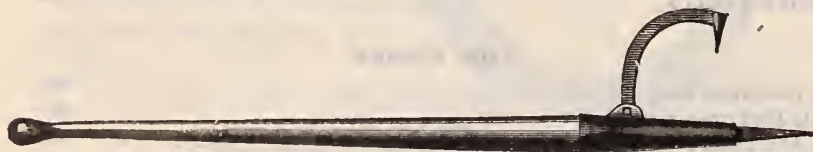
Eureka Jack.

Yankee Jacks

Price.....\$0.75

Eureka Jacks

For Wagons.....\$1.25
 For Automobiles..... 1.25
 The strongest jack on the market.



Genuine Bangor Cant Dogs

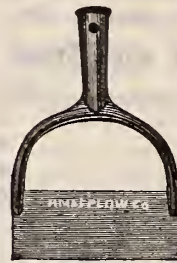
2¾-inch, 3½ to 5-foot handles..... \$1.00
 2½-inch, 3½ to 5-foot handles..... 1.00
 2¾-inch, 3½ to 5-foot handles..... 1.10

Cant Dog Stocks

2¾ inches diameter, 3½, 4, 4½, 5, 5½ and 6 feet long.
 2½ inches diameter, 3½, 4, 4½, 5, 5½ and 6 feet long.
 2¾ inches diameter, 3½, 4, 4½, 5, 5½ and 6 feet long.

Extra Irons for Cant Dogs

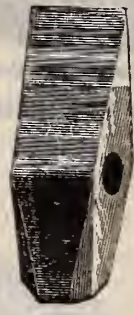
Dogs, 2¾ to 2½-inch..... \$0.25
 Picks, 2¾ to 2½-inch..... .20
 Sockets, 2¾-inch..... .30
 Sockets, 2½-inch..... .35



Floor Scraper.



Grub Hoe.



Maul.



Crowbar.

Rhode Island Floor Scrapers

This floor scraper is in the shape of a triangle, with a pin through the center, thus being reversible. Each one of the three sides may be used successively, as fast as one side becomes dull. Price, each, 75c.

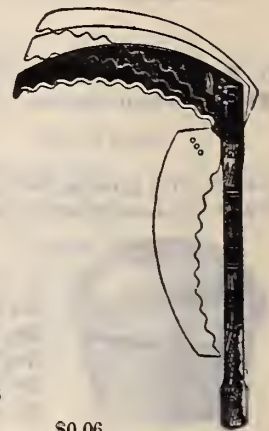
Steel Floor Scrapers. Each..... \$0.50
Hay Knives. Lightning, each..... 1.00
Wood Chopper's Mauls. 6, 7, 8 and 9 lbs., per lb..... .12
Grub Hoe. Each..... .60
Crowbar. Solid steel wedge pattern, 10, 12 and 14 lbs., per lb..... .10



Standard Pattern Wedge.



Truckee Pattern Wedge.



Corn Hook.

Wood Chopper's Wedges

Standard pattern, 3½ to 6 lbs., per lb..... \$0.06
 Truckee pattern, 3½ to 6 lbs., per lb..... .07

Wrought Steel Stake Irons

1½-inch, per lb..... \$0.08
 2-inch, per lb..... .08

Hatchets

No. 1, shingling, each..... .75
 No. 2, shingling, each..... .75
 No. 1, claw, each..... .75

Corn Hooks

No. 631, folding, polished blade, plain edge, each..... .50
 No. 632, folding, blued blade, plain edge, each..... .50

Cold Chisels

½ inch x 5½ inches, each..... .10
 ¾ inch x 6½ inches, each..... .15

Punches

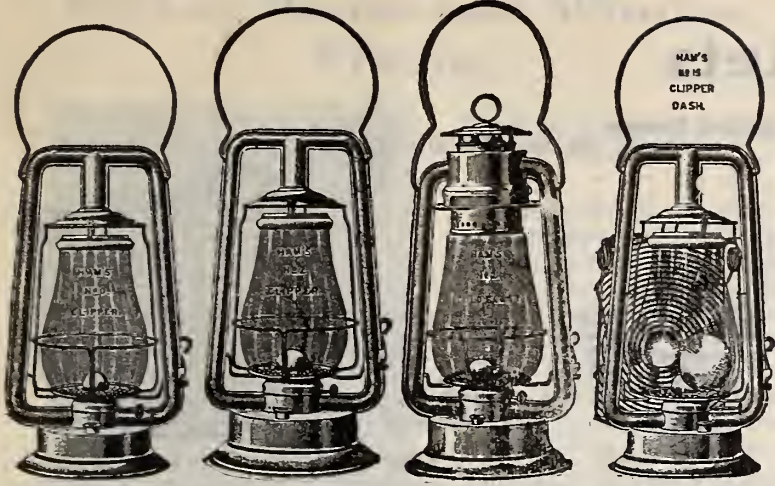
¾ inch x 5½ inches, each..... .10

Spring Cotters

Assorted, per doz..... .10

Wrenches

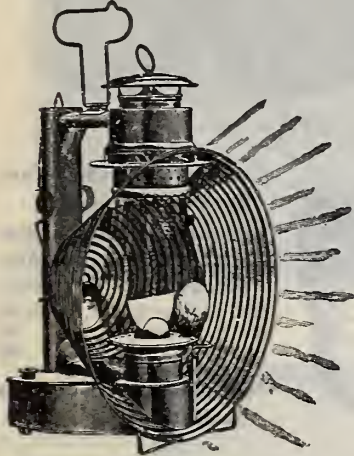
No. 2, 9-inch Bull Dog, each..... .40
 Twin Bull Dog, each..... .65
 8-inch Agricultural, each..... .25
 10-inch Agricultural, each..... .30
 12-inch Agricultural, each..... .35



No. 0, Ham's Clipper Lift. No. 2, Clipper Lift. No. 2, Cold Blast. No. 15, Japanned Dashboard Bullseye Globe.

Lanterns

No. 0. Clipper Lift.....	\$0.50
No. 2. Clipper Lift.....	.65
No. 0. Automatic Lift.....	.50
No. 1. Cold Blast.....	.75
No. 2. Cold Blast.....	1.00
No. 15. Japanned Dashboard Bullseye Globe.....	1.00
No. 20. Searchlight Lantern..	2.00
No. 18. Driving Lamp.....	2.50
Boys' Brass Lanterns.....	.25
Rocket Brass Lanterns.....	.45



No. 20, Searchlight Lantern.



No. 18, Driving Lamp.



Pump and Faucet Oil Cans

Climax Pump Oil Can. Our net price, 5-gallon.....	\$1.00
Monarch Swing Can. Our net price, 5-gallon.....	1.00
Columbia. Our net price, 5-gallon.....	.85
Quaker. Our net price, 5-gallon.....	.75
Home Rule 5-gal. Heavy galvanized pump oil can; the best made	1.25
Home Rule 10-gallon. Same style as 5-gallon; has side handles...	2.00
Banner Oil Can. 10-gallon; side handles.....	1.75
Banner Oil Can. 5-gallon; bail handle.....	.90
Diamond Oil Can. Brass lever faucet, heavy galvanized iron, 5-gal.	1.00
Polo 1-Gallon Can, with side handle.....	.25
Globe 1-Gallon Can, with side handle.....	.35

Oil Tanks

30-gallon.....	\$3.75
60-gallon.....	4.50
110 gallon.....	8.50

Lantern Globes

No. 0. For No. 0 and No. 2 Clipper Lift.....	.10
No. 2. For No. 1 and No. 2 Cold Blast.....	.15
Bullseye. For No. 15 Dashboard.....	.15

Lamp Chimneys

No. A, Diamond. Bead top.....	.08
No. B, Diamond. Bead top.....	.10
No. A, Champion, Flint, bead top.....	.10
No. B, Champion. Flint, bead top.....	.12
No. A, Acme. Lead, pearl top.....	.12
No. B, Acme. Lead, pearl top.....	.15
No. 2, Rochester.....	.15
No. 3, Rochester.....	.25

Lantern Burners

No. 1.....	\$0.10	No. 2.....	.15
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Lamp Burners

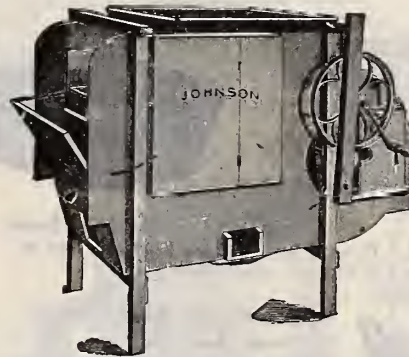
No. A, Venus.....	\$0.08	No. A, Banner.....	.08
No. B, Venus.....	.10	No. B, Banner.....	.10

Lamp Wicks

A or No. 1.....	per doz., 5c.	B or No. 2.....	per doz., 5c.
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Johnson Fan Mill

The Fan Mill is indispensable to a well-regulated grain barn. This mill runs the sound, clean grain to one side of the mill, while the sand and small seeds pass out at the other, and the heavy chaff and heads are caught in a receptacle behind the machine. It will not only clean grain, but also grass seed in the best manner. \$16.00.



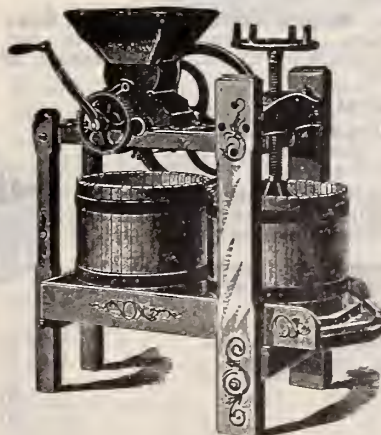
Fan Mill.



Pump.

Pumps

Our No. 1 Banded Pump is the most durable wood pump on the market. Heavy wrought iron bands are placed above and below the spout hole, and drawn tight by means of set screw in each band, thus preventing checking, and making a pump of great durability. Made either with or without lining. Size, 6x6 inches square.



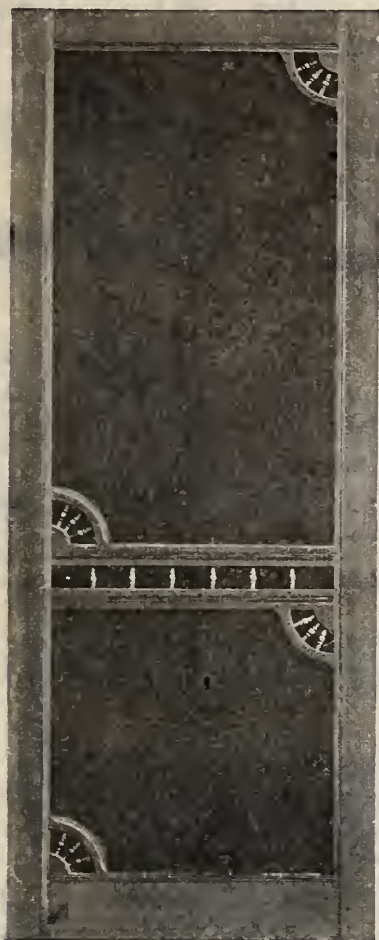
Cider Mill.

Rubber Bucket Chain Pump. They are one of the best and cheapest pumps. We keep always in stock curbs, chain, rubber buckets and wood tubing. Write for prices.

Cider Mills and Wine Presses

We have a full line of both constantly on hand, in all styles and at all prices.

Screen Doors and Window Frames



No. 70.

"A thing of beauty is a joy forever"

The best is the cheapest. Our Screen Doors are all of the best material; 3/8-inch stock, 4-inch stiles. Adjustable Window Frames, easily operated, convenient, and when not in use take up but little room. The best of wire is used on both Doors and Frames. Good workmanship with honest labor produces the most satisfactory results—our Doors and Frames prove it. Prices moderate. Send for Price-List.

Description of No. 70

Four-inch stiles, 3/8-inch thick. Natural wood. Two coats varnish.

Description of No. 6

Four-inch stiles, 3/8-inch thick. Three panels, stained walnut.

Description of No. 99

Bronze green, dull finish. Center rail ornamented with inlaid hard-wood rope twist. Four-inch stiles, 3/8-inch thick.



Sizes of Klondike

Number	High	Closed	Open
16	16	20	34
18	18	20	34
25	24	22	38 1/2
30	30	22	38 1/2

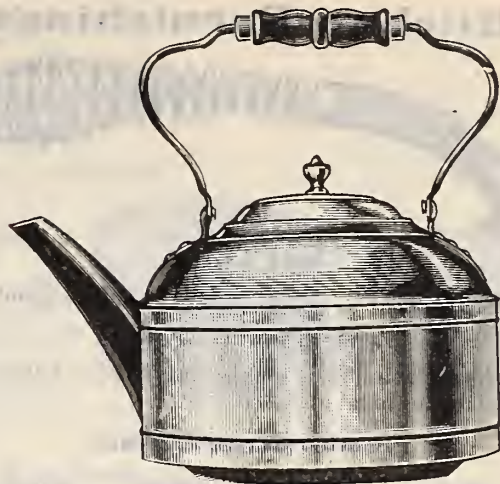
Sizes of Hummer

Number	High	Closed	Open
118	18	22	34
124	24	22	34
125	24	24	37
128	28	24	37
129	30	22	34

Barrel Covers. All kinds and sizes.

Tinned Sap Spouts

	Per 100	Per 100
No. 1, open top.....	\$1.50	No. 2, closed top.....\$1.50



8-inch Pit Bottom.

Nickel Tea Kettles. Our Nickel Tea Kettles are made of the best copper, heavily nickel plated, and wrapped in tissue paper, packed single in pasteboard carton. None better in use.

No. 38. Flat bottom, 8-inch, each.....	\$1.00
No. 39. Flat bottom, 9-inch, each.....	1.15
No. 48. Pit bottom, 8-inch, each.....	1.00



No. 9.

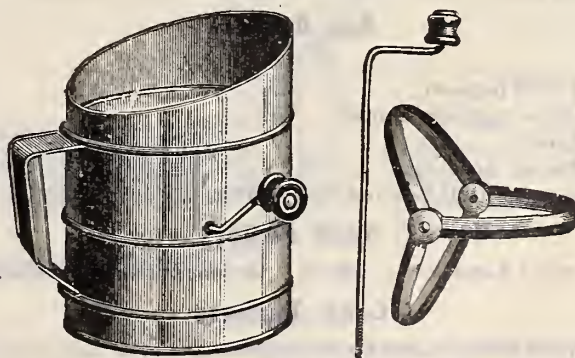
No. 1100.

No. 4.

Chopping Knives

No. 4, black iron handle, single blade.....	\$0.20
No. 9, black wood handle, single blade.....	.10
No. 340, black wood handle, double blade.....	.25
No. 350, black wood handle, single blade.....	.30
No. 1100, black wood handle, double blade.....	.15
No. 1300, rosewood handle, single blade.....	.35

Flour Sieves



Victor Flour Sieve.

Victor. Like cut.....	\$0.15	Magic	\$0.10
Columbia. Similar to Victor, heavier and wood handle.....	.25	Gem	\$0.15
Gem	\$0.15	Skaker.....	.25
Clough's Adjustable Sieves. For cleaning peas, beans, etc.	2.00		
Wood Rim Flour Sieves. Small, 9 1/2-inch; medium, 10-inch; large, 11 1/2-inch; nest of 3.			
Hair Sieves. 8-inch, 10-inch, 12-inch, 14-inch.			

Cork-Lined Wood Faucets

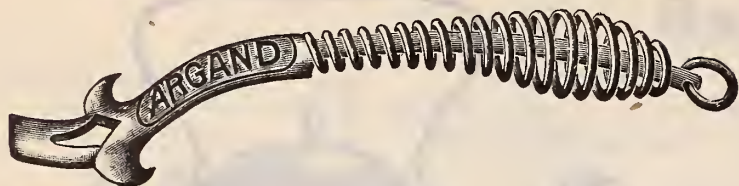
6-inch.....	\$0.07	9-inch.....	\$0.15
7-inch.....	.08	10-inch.....	.20
8-inch.....	.10		

Leather-Lined Wood Faucets

6-inch.....	\$0.05	10-inch.....	.15
7-inch.....	.06	11-inch.....	.20
8-inch.....	.08	12-inch.....	.30
9-inch.....	.10	14-inch.....	.40

Write us for any special information on Hubbard's Fertilizers. See inside back cover page

Kitchen Furnishings



Cover Lifters

No. 2, Alaska.....\$0.15 No. 4.....\$0.10 Argand.....\$0.10

Stove Shovels, Pokers

No. 1½ Stove Shovel, tinned, 17 inches long, blade 8 x 15 inches... .15
No. 1 Poker, 19 inches long, nickeled..... .10

Premier Screw Drivers

6-inch.....\$0.15. 5-inch.....\$0.10 4-inch..... .10



Tack Puller.



Egg Beater.



Meat Chopper.

Russwin Meat and Food Chopper

The manufacturers have combined all the old desirable features and added new ones, so that we claim for the Russwin that it is par excellence. The cylinder is so constructed that it opens in halves and can be easily cleaned.

No. 1, family size.....\$1.00
No. 2, extra family size..... 1.25

Egg Beaters

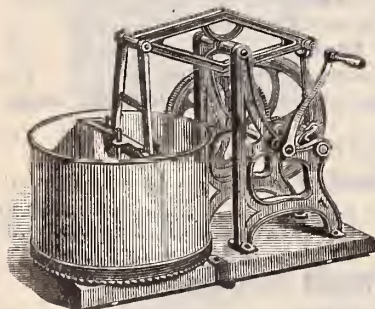
Holt's......15
No. 100. Dover pattern......10
No. 102. Dover pattern, tinned......15
Genuine Dover......15
Genuine Dover, hotel size......25
Lyons' Improved Ball Bearing Egg Beater, the best made......15

Tack Pullers

Sterling, wood handle.....\$0.10 Queen, polished steel..... .05

Cake Turners

No. 2, 12 inches long, blade 3 x 3½ inches......05
No. 1, 15 inches long, blade 3½ x 4½ inches......10
No. 17, perforated, 16 inches long, blade 3½ x 4½ inches......12



Improved American Chopper

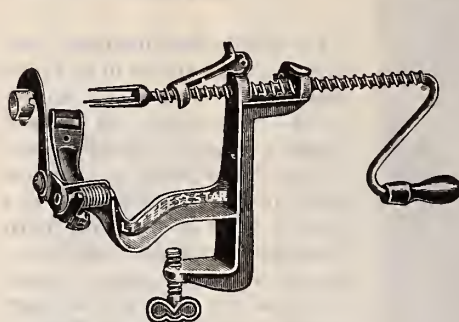
For cutting meats and vegetables.
No. 1. Cuts 3 pounds in 3 minutes.....\$4.50
No. 2. Cuts 5 to 6 pounds in 3 minutes..... 6.00
No. 3. Cuts 8 to 10 pounds in 4 minutes..... 9.00

Perfection Mixing Spoons, wood handle, perforated bowl......10
Sterling Basting Spoons, wood handle, plain bowl......10

Universal Food Chopper

It will chop any kind of meat, vegetables or fruit, and effectually does away with the laborious, time-killing chopping knife and tray.

No. 1.....\$1.00 No. 2.....\$1.25 No. 3.....\$1.75
Crown Raisin Seeder. No. 1. Family size..... .50



Little Star Apple Parer and Corer,



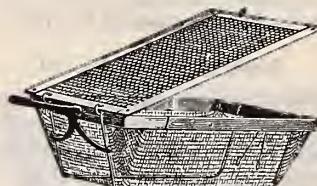
Rocking Apple Parer.

Apple Parers

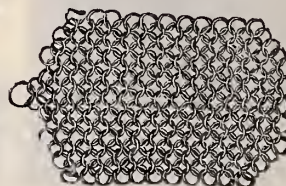
Little Star Apple Parer and Corer.....\$0.50
Rocking Table Apple Parer......75

Potato Mashers

No. 95. Wire, like cut.....\$0.05
Two-pieced. Wood......05
Enameled handle. Wood......10
Family. Wood......10



Corn Popper.



Pot Chain.



Potato Masher.

Corn Poppers

1-quart.....\$0.10 2-quart.....\$0.20
1½-quart......15 4-quart......30

Pot Chains

No. 1. 2-ring.....\$0.05 No. 3. 3-ring......10
No. 2. 2-ring......03 With handle......10
Glove......15

Dust Pans

No. 4. Japanned.....\$0.10 No. 21. Japanned......25
No. 20. Japanned......15



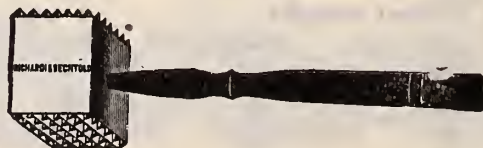
Soap Shaker.

Soap Shakers

Tin. Round......10
All wire. Square... .15

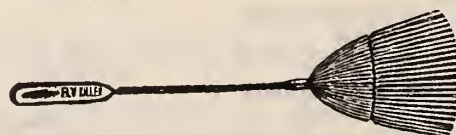
Le Page's Liquid Glue

1-ounce bottle.....\$0.10 2-ounce bottle......15
½-gill can......15 1-gill can......20



Steak Mauls

Each.....\$0.10



Broom Fly Killer

Wood handle....\$0.10
Wire handle.... .10

Wooden Dry Measures

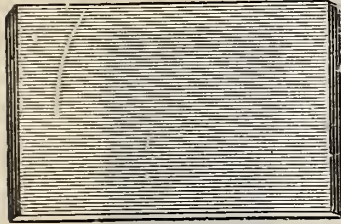
1-quart.....\$0.10	8-quart.....\$0.25
2-quart......15	½-bushel......65
4-quart......20	Full nest of 5..... 1.10

Wood Vinegar Measures

Set of 4 pieces, per set.....\$1.00	½-gallon......40
1-pint......25	Extra funnel......20
1-quart......35	

Clothes Pins

Boss, 5 gross in a box, per dozen.....	.02
Oriental, 5 gross in a box, per dozen.....	.02
Peerless, 60 in carton, 10 cartons in case, per carton.....	.10
U. S. Spring, 1 gross in carton, per dozen.....	.10



Bread Boards

White wood, 20½ x 27 inches.....	.60
White wood, 16 x 22 inches.....	.40

Meat Boards

Hard wood, 15 x 12 inches.....	.20
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Bread Board.



Rolling Pin.

Rolling Pins

Plain revolving handle, IX. 10c.
 Plain revolving handle, 3XXX. 12c.
 Enameled revolving handle. 15c.
 Small creased, 10c.
 Large creased, 20c.



Creased Rolling Pin.

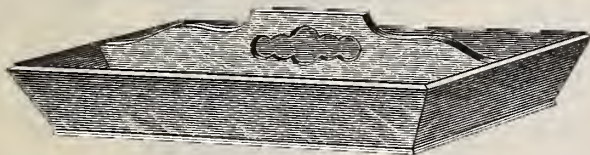
Plain Skirt Boards

4½ feet.....	\$0.60
5 feet.....	.70
5½ feet.....	.80

Sleeve Boards

Acme, uncovered.....\$0.30	Acme, covered......40
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Folding Ironing Boards..... 1.25
 Combination Step Ladder and Ironing Boards..... 2.00



Knife Trays

Oak, round corners, 2 space.....	\$0.30
Oak, square corners, 2 space.....	.25

Clothes Lifters. 10c.



Wood Pickle Dippers, for grocers' use.....\$0.25

Lemon Squeezers

Wood.....\$0.10
Queen, aluminum......35
Gem, metal......10
Boss, metal......10



Wood Spoons

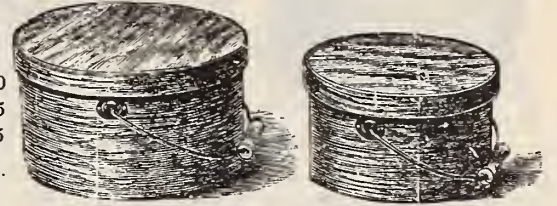
12-inch.....\$0.05
13-inch......05
14-inch......05
15-inch......05



Wood Pastry Spoons. Plain..\$0 08	Slotted.....\$0 10
Bung Starters.....	.35
Wood Dish Drainers.....	.25
Vegetable Cutters. No. 0, 1 knife.....	.15
Slaw Cutters. 1 knife.....\$0.25	2 knives......35
Kraut Forks. No. 1.....	.10
Wood Mortars. With pestle. . . . .	.60

Oak Bail Boxes

Per pair.....\$0.50
Large......35
Small......25



Butter Boxes

5-pound, round, per dozen.....	\$0.75
5-pound, square, per dozen.....	.75
5-pound, square Dumas, per dozen.....	.75

Sugar Buckets

Nest of 3, per nest.....	1.00
Pairs, large and medium, per pair.....	.85
Large, each.....	.50
Medium, each.....	.35
Small, each.....	.25

Well Buckets

Victor, galvanized.....	.75
Victor, black iron.....	.60

Oak Kegs

5-gallon, galvanized hoops.....	.90
20-gallon, galvanized hoops.....	1.65

Wood and Paper Butter Trays

We carry a complete stock of both in all sizes. Write for prices.

Noggins

1-quart, copper nailed.....\$0.15	2-quart, copper nailed......20
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Spice Cabinets

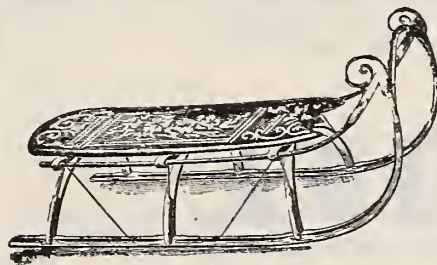
No. 1, 8 drawers.....\$1.00	No. 2, 4 drawers......75
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Wood Grocers' Scoops

Large.....\$0.30	Small......25
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Sleds

We carry a complete line of the Paris Manufacturing Company's sleds. Catalogue and prices sent upon request.



Handles

Pick, sledge, maul, hand hammer, adze, cant dog, fork and shovel.

Ax Handles

Straight, French, knob, double bit and boys', in all grades and lengths.

Matchless Tooth Saw Blade

Something new; cuts faster and easier without dragging. Made from the best of steel. 75c.

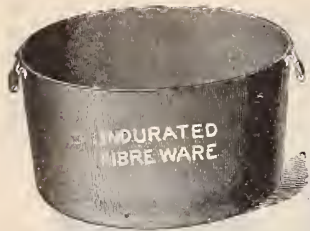
Saw Bucks

No. 1, folding.....	\$0.30
No. 2, folding.....	.25
No. 2, rigid.....	.25

Framed Wood Saw

No. 45, Disston's blue clock spring blade.....	.85
No. 50, Disston's wide polished blade.....	.75
No. 934, Atkins' clock spring blade, polished.....	.90
No. 619, Atkins' wide polished blade.....	.75

Indurated Fibre Ware

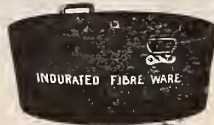


Indurated Tubs

- No. 0, 23½ in. diameter, 13 in. deep.... \$1.50
- No. 1, 20½ in. diameter, 12 in. deep.... 1.20
- No. 2, 19 in. diameter, 10½ in. deep.... 1.05
- No. 3, 18 in. diameter, 9½ in. deep.... .95

Indurated Keelers

- No. 1, 17 in. diameter, 6½ in. deep..... \$0.55
- No. 2, 15 in. diameter, 6 in. deep..... .50
- No. 3, 13 in. diameter, 6 in. deep..... .40
- No. 4, 12 in. diameter, 4 in. deep..... .35



Wash Basins



- No. 1, 13½ inches..... \$0.20
- No. 2, 12 inches..... .15

Star Pails

Our net price, 30c. each.



Pails

Stenciled "For Fire Only." 40c.



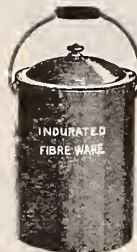
Slop Jars

With straight sides and cover. 75c.



Slop Jar Mats

17 inches diameter. 30c.



Indurated Spittoons

- No. 1, 5½ in. high, 13 in. diameter..... \$0.50
- No. 2, 5¼ in. high, 11 in. diameter..... .40
- No. 3, 4½ in. high, 9 in. diameter..... .35

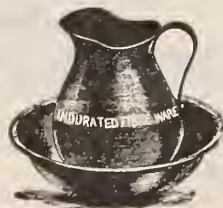


Vinegar Measures

- Sets of 6, pt., qt., ½ gal., gal., No. 1 Funnel, No. 2 Funnel..... \$2.00 net
- 2-qt. Sets, pt., qt., ½-gal., No. 2 Funnel..... 1.20 net
- Gallons..... .50
- 2 quarts..... .40
- Quarts..... .35
- Pints..... .25
- No. 2 Small Funnel..... .25
- No. 1 Large Funnel..... .30

Pitcher and Bowl Sets

- Plain..... \$0.60
- Enameled..... .95



Florists' Vases

- No. 0, 8 in. diameter, 13 in. deep..... \$0.40
- No. 1, 5½ in. diameter, 10 in. deep..... .35
- No. 2, 4½ in. diameter, 9 in. deep..... .30
- No. 3, 4 in. diameter, 6 in. deep..... .25
- No. 4, 3 in. diameter, 4½ in. deep..... .20



Ice Water Jars

- Straight sides. No. 4, 9 in. diam., 11 in. deep.... \$1.20
- " " No. 5, 9 in. diam., 13 in. deep.... 1.50
- " " No. 6, 12 in. diam., 10½ in. deep 1.70
- " " No. 8, 12 in. diam., 12 in. deep... 2.00



Slop Urns

Slop Urns..... \$0.50



Handled Ax.



Wedge Ax.

Axes

We carry the celebrated Kelly ax in all shapes best suited for Maine trade.

- Standard, polished, Maine pattern, all weights..... \$1.00
- Black flint edge, Maine pattern, all weights..... 1.10
- Black flint edge, half wedge, all weights..... 1.00
- Black flint edge, full wedge, all weights..... 1.25
- Electric, polished, beveled edge, all weights..... 1.25
- Washington, with handle..... 1.00
- Boys', with handle..... .75

Wood Saw Blades

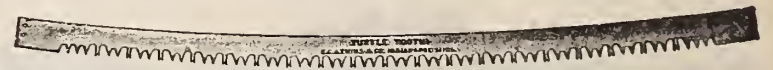
- No. 45, Disston's blue clock spring blade..... .85
- No. 6, Disston's wide polished blade..... .60
- No. 934, Atkins' narrow polished blade..... .50
- No. 24, Matchless..... .75

Wood Saw Frames

- Common, natural wood..... .20
- No. 50, painted red..... .25

Wood Saw Rods

- 24-inch duplex..... \$0.10
- 26-inch duplex..... .10



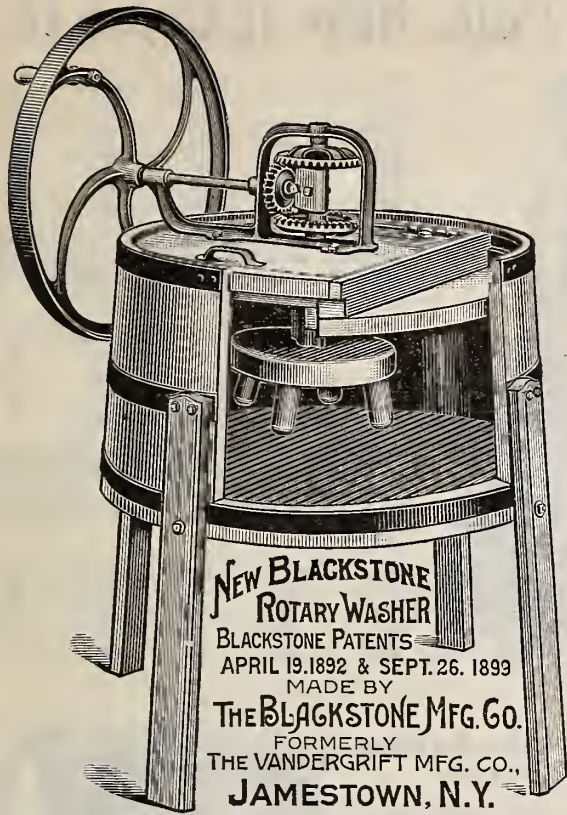
Hollow Back Champion Cross Cut Saw.

- Per foot
- Champion or Tuttle Tooth, 5, 5½, 6 feet..... \$0.40
- Hollow Back Narrow Champion or Tuttle Tooth, 4½, 5, 5½, 6 feet.. .25
- One-Man Champion or Tuttle Tooth, 3½, 4 feet..... 55



Cross Cut Saw Handles

- Per pair
- No. 10, Loop for hollow back narrow..... \$0.20
- No. 11, Reversible for any style..... .25
- No. 5, Extended for wide cross cut saw..... .30



New Blackstone Rotary Washer
 BLACKSTONE PATENTS
 APRIL 19. 1892 & SEPT. 26. 1899
 MADE BY
THE BLACKSTONE MFG. CO.
 FORMERLY
 THE VANDERGRIFT MFG. CO.,
 JAMESTOWN, N.Y.

New Blackstone Rotary Washer

We believe this Washer is destined to become a leader. It has steadily grown in favor and our sales have shown a large increase during the past year. It is our aim to sell only the best the market affords and we certainly believe the Blackstone Rotary has merit and many superior qualities. Its appearance indicates the best of workmanship and the best materials are used in its construction. After over a year's trial we are convinced that one cannot make a mistake in buying a Blackstone. Price, \$6.00.



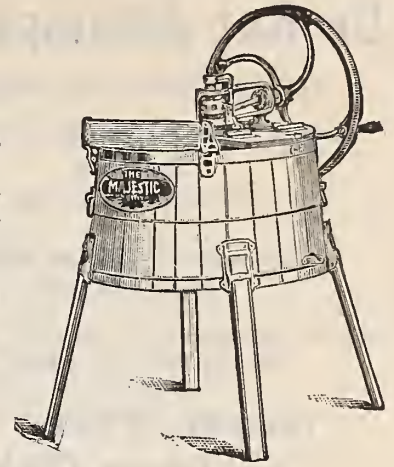
THE IMPROVED PAN AMERICAN WASHER.
 MADE BY
THE BLACKSTONE MFG. CO.
 FORMERLY
 VANDERGRIFT MFG. CO.
 JAMESTOWN, N.Y.

The Improved Pan American Washer

Is still a favorite among many users of washing machines and its good qualities are recognized by all users. It has been improved from time to time and the latest Improved stands head and shoulders above all past machines. We believe it is the best washer on the market for the money and we predict a steadily increasing demand. To all users of washing machines who desire a moderate priced washer we do not doubt that money invested in the Improved Pan American will return to the purchaser good value and do good service. Price, \$3 50.

Majestic Washer

The Majestic Washer represents the latest improvements and its superior qualities are easily recognized. Easy to operate, no complicated machinery to get out of repair, ball bearings, almost noiseless, all parts galvanized. Made of Virginia White Cedar. We do not hesitate to recommend the Majestic. Price, \$6.

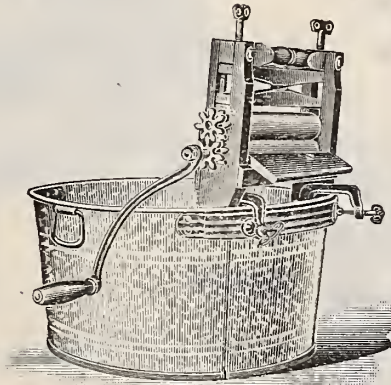


Galvanized Tubs

This tub has become very popular, and the sales are increasing yearly.

No. 30	\$1.00
No. 20 .....	.85
No. 10 .....	.75

Galvanized Tub, showing wringer attached with No. 350 Universal; guaranteed three years. Rolls, 10½ inches long, 1¼ inches diameter; large tub; complete, \$3.25.



Strainer Pail.

Milk Pail.

Dinner Pail.

Strainer Pails. With removable wire cloth. 10-quart, 75 cts. each; 14-quart, 95 cts.

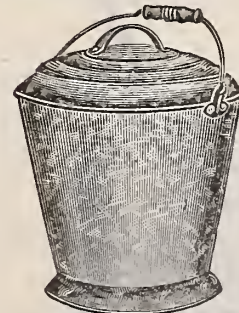
Milk Pails

IX. 12-quart, each.....	\$0.30	XXX. 12-quart, each.....	\$0.40
IX. 14-quart, each.....	.35	XXX. 14-quart, each.....	.45

Common I C Tin Flaring Milk Pails. 10-quart, 15 cts. each.

Dinner Pails

No. 333, 3-quart round, each, 30 cts. No. 030, 3-quart round, each, 45 cts.
 No. 040, 4-quart round, extra heavy, known as the Railroad Dinner Pail, each, 50 cts.



Galvanized Slop Pail.



Painted Slop Pail.

Galvanized Slop Pails

10-quart, each.....	\$0.45	12-quart, each.....	\$0.50
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Painted Slop Pails

Assorted Colors

8-quart, each.....	\$0.40	10-quart, each.....	\$0.45
12-quart, each.....			\$0.50

Do Not Attempt to Reach the North Pole, Have it Come to You

SEE HOW SIMPLE THE DETAILS

**Removable Galvanized Steel Ice Chamber
Removable Grate**

**Removable Waste Pipe
EASILY CLEANED**

EVERY PROGRESSIVE DEALER WILL INVESTIGATE OUR FAMOUS

North Pole "Golden Oak" Refrigerators



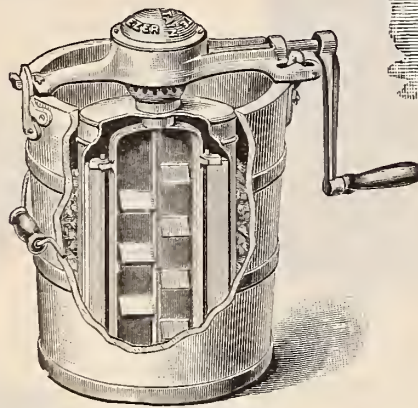
No.	Lbs. Ice.	Length.	Depth.	Height.	Doors.
202	65	27	19	42	1
203	80	30	21	44	1
204	100	33	22	46	1
205	125	36	23	48	1
206	100	33	22	46	2
207	125	36	23	48	2

The following styles are the same in every respect as above, but do not have Removable Steel Ice Chamber or grate. The Water Pipe is removable.

No.	Lbs. Ice.	Length.	Depth.	Height.	Doors.
112	45	26	19	40	1
113	80	30	20	43	1
114	100	33	21	45	1
115	125	36	22	47	1

For those who want a good first-class Refrigerator at a low price, we offer Our Pine Household line. They are well made, finished in imitation oak and are used largely by summer cottagers.

No.	Lbs. Ice.	Length.	Depth.	Height.	Doors.
102	45	26	19	40	1
103	80	30	20	43	1
104	100	33	21	45	1
105	125	36	22	47	1



Improved White Mountain Freezer

This is universally the favorite family Ice Cream Freezer, because it combines more excellences than all other family freezers made. It will, in four minutes, freeze to uniform hardness cream of even grain and perfect smoothness. The tubs are built very strong and will not warp, leak or crack, and the cans are made of the finest quality pure charcoal tin. Its beaters and interior mechanism are plated with block tin, and the exterior metal parts are cast iron, finely galvanized to prevent rusting. It is the only freezer made with a duplex dasher and double self-adjusting scrapers, which, by keeping every particle of cream in constant motion, causes it to freeze faster and more evenly than can possibly be accomplished by any other freezer.

Each	Each
2-quart..... \$2.00	10-quart..... \$ 5.50
3-quart..... 2.25	12-quart..... 7.00
4-quart..... 2.65	15-quart..... 8.50
6-quart..... 3.25	20-quart..... 11.00
8-quart..... 4.25	25-quart..... 14.00

American Twin Freezer

American Twin Freezer, an entirely new invention, whereby two flavors of ice cream or sherbet can be frozen at one and the same time. Easily operated, simple in construction, and will become a favorite among all families who use this refreshing dish. Don't fail to see the American Twin Freezer, or as it is more properly called the great two in one freezer.

Each
2-quart, our net price..... \$2.25
3-quart, " " "..... 2.50
4-quart, " " "..... 3.00
6-quart, " " "..... 4.60
8-quart, " " "..... 5.00

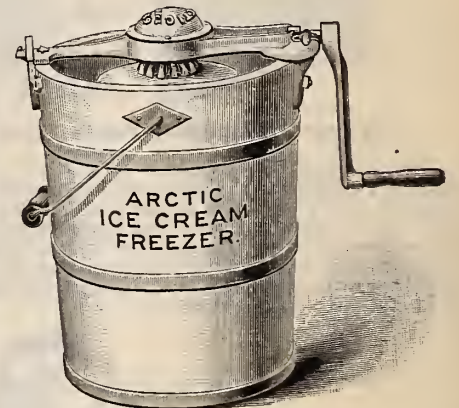
Larger sizes at correspondingly low prices.



Improved Arctic Freezer

Sizes, 1 quart to 15 quarts, inclusive. A single motion machine of superior construction, placed in competition with any other single action freezer made.

Each
2-quart..... \$1.60
3-quart..... 1.85
4-quart..... 2.25
6-quart..... 2.75
8-quart..... 3.50
10-quart..... 4.75
12-quart..... 6.00
15-quart..... 7.25

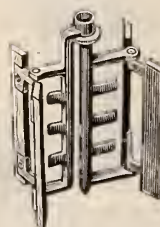


The Gem Freezer

The Gem is the only double action Freezer of reputation made to-day. All limitations of it have failed, and the Gem is the only one that has stood the test of practical use. The Gem has been the model to other makers for all that was best in an ice cream freezer, and has been imitated (without success) more than any freezer made.

Each
2-quart..... \$1.75
3-quart..... 2.00
4-quart..... 2.50
6-quart..... 3.25
8-quart..... 4.00

Inquire for prices on larger sizes.



A full line of all Refrigerator and Freezer Requirements, such as Ice Tongs, Ice Picks, Ice Hatchets, Ice Crushers, Ice Bags (a most convenient article when crushing ice for freezer use), Ice cream Dips, Freezer and Packing Cans, Packing Tubs, etc., etc. Special Illustrated Catalogue on Power Freezers mailed on application.

HUBBARD'S FERTILIZERS

The Farmer's Friend is the independent manufacturer of Fertilizers who is in no way connected with any combination known as "Trusts."

Farmers are Daily Realizing that all Fertilizers of the same analysis are not the same in their action, but that it is important that the analysis be derived from those sources which give the best growth.

Do You Believe that Ammonia derived from Ground Leather Scrap, Hoof Meal, Hair and similar insoluble forms of Ammonia will give as good results as Ammonia derived from Bone, Blood, Fish, Sulphate of Ammonia, Nitrate of Soda and Tankage?

There are so many goods being made to-day in the cheapest way possible that we can demonstrate to your entire satisfaction the Superiority of our Brands.

We grind and dissolve every pound of material used in our Fertilizers, importing our Nitrate of Soda from Chili, Sulphate of Ammonia from Scotland and Potash from Germany, which enables us to Guarantee ABSOLUTE PURITY.

You Can Make No Mistake

In using the best goods, and you must acknowledge that there are on our market different qualities in every kind of merchandise which is equally true of the fertilizer that you use upon your crops. Our experience has been that the essential features of a complete fertilizer to insure satisfactory results upon any crop are:

- 1st. The best materials, ground fine and dissolved thoroughly soluble for Plant Food.
- 2d. They should be incorporated together in such proportion to assist the plant from its earliest stage to the well-ripened harvest of any crop.
- 3d. With these conditions, a well prepared soil, proper cultivation and a favorable season there can be no failure.

We believe that in Hubbard's Fertilizers we have found a Fertilizer, independent of any trust, which represents pure chemicals, a thorough knowledge of how to mix them, and the best of machinery for doing the work, and as a result we can offer you this year the most satisfactory Fertilizer to be found.

Hubbard's Truckers 7% Royal Seal Compound.

ANALYSIS:	Per Cent.
Ammonia.....	7.00 to 8 00
Available Phosphoric Acid.....	6.00 " 8.00
Insoluble Phosphoric Acid.....	1.00 " 2 00
Total Bone Phosphate.....	18.00 " 22.00
Potash K ² O.....	5.00 " 6 00
Equal to Sulphate of Potash.....	9.00 " 10 80

Ammonia derived from Bone, Blood, Sulphate of Ammonia, Nitrate of Soda and Fish.

Phosphoric Acid derived from Dissolved Bone.

Potash derived from High Grade Muriate and Sulphate.

This brand is for the trucking trade, where it is important to get the crop matured for the earliest market.

Hubbard's Royal Ensign.

ANALYSIS:	Per Cent.
Ammonia.....	3 00 to 4 00
Available Phosphoric Acid.....	8 00 " 10 00
Insoluble Phosphoric Acid.....	1 00 " 2 00
Total Bone Phosphate.....	20.00 " 26 00
Potash K ² O.....	4 00 " 5.00
Equal to Sulphate of Potash.....	7 20 " 9 00

Ammonia derived from Sulphate of Ammonia, Nitrate of Soda, Blood and Fish.

Phosphoric Acid derived from Dissolved Bone.

Potash derived from High Grade Muriate and Sulphate.

This brand is a general Truck Grower, and when used upon Potatoes, Cabbage, Beans, Peas and other vegetables it will be found to be one of the most satisfactory goods obtainable.

Hubbard's Farmers I X L Super-Phosphate.

ANALYSIS:	Per Cent.
Ammonia.....	2 00 to 3.00
Available Phosphoric Acid.....	8.00 " 10 00
Insoluble Phosphoric Acid.....	1 00 " 2 00
Total Bone Phosphate.....	20.00 " 26.00
Potash K ² O.....	2.00 " 3.00
Equal to Sulphate of Potash.....	3.60 " 5.40

Ammonia derived from Bone, Blood, Nitrate of Soda and Fish.

Phosphoric Acid derived from Dissolved Bone.

Potash derived from High Grade Sulphate.

We bring together in this brand all the quick-acting materials to adapt it to the Truckers, especially for Tomatoes, Corn, Peas, Strawberries, etc., and concentrate our energies to produce a goods that cannot be duplicated for the price.

High Grade Fertilizer for Potatoes.

ANALYSIS:	Per Cent.
Ammonia	4
Available Phosphoric Acid.....	6
Potash K ² O.....	10

High Grade Fertilizer for Corn.

ANALYSIS:	Per Cent.
Ammonia	4
Available Phosphoric Acid.....	8
Potash K ² O.....	7

TESTIMONIAL

MECHANIC FALLS, ME., Feb. 6, 1905.

HARMON and HARRIS CO., Portland, Maine.

Dear Sirs:—

We have used the Hubbard Fertilizers for two years and have found them of superior merit. All that is necessary for us to say as to our opinion of them is that we have already placed our order for one hundred tons to be used the present year. All our corn planters are very enthusiastic in expressing themselves as to the good qualities of the Hubbard Fertilizers, as compared with many others, from their personal observation, and many of them have said to us, "We think you have got the best Fertilizer made"

Yours very truly, MINOT PACKING CO.

Sole Agents for the State of Maine

HARMON and HARRIS CO., Portland, Maine

