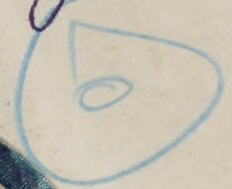


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Will W. Tracy Sr.



SEATTLE
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 SEED COMPANY'S
 ANNUAL
 CATALOG
 1910



319 First Ave. South
 SEATTLE, WASH.

VALUABLE TABLES

Quantity of Seed Required to Sow an Acre of Ground—	Lbs. to the Acre.									
Alfalfa or Lucerne	15 to 25									
Barley—Broadcast	125 to 130									
Beans, Dwarf or Bush—Hills	50									
Beans, Dwarf or Bush—Drills	60									
Beans, Tall or Pole—Hills	35									
Beet, Garden—Drills	10									
Beet, Field—Drills	8 to 10									
Broom Corn—Drills	12									
Buckwheat—Broadcast	45									
Cabbage, in beds to cover an acre after transplanting	¼									
Carrot—Drills	4									
Clover, Red—Broadcast	12 to 15									
Clover, White—Broadcast	8 to 10									
Clover, Alsike—Broadcast	6 to 8									
Corn, Sweet or Field—Hills	15									
Corn, to cut green for fodder—Drills or Broadcast	125									
Cucumbers—Hills	2									
Flax, when wanted for seed	30									
Flax, when wanted for fiber	50									
Grass, Kentucky Blue, for pasture	30 to 50									
Grass, Kentucky Blue, for lawns	100 to 125									
Grass, Orchard	40									
Grass, English or Australian Rye, for meadows	50									
Grass, English or Australian Rye, for lawns	75 to 100									
Grass, Italian Rye	50									
Grass, Red Top	30									
Grass, Timothy	20									
Grass, Meadow Fesque, or English Blue	35									
Grass, Mesquite, in the chaff	35									
Grass, Hungarian	30 to 40									
Grass, Millet	30 to 40									
Grass, Millet for seed	15									
Grass, Mixed Lawn	100 to 125									
A much larger quantity of Seed is required to make a fine Lawn than for other purpose.										
Grass, Mixture for mowing and grazing	<table border="0" style="display: inline-table; vertical-align: middle;"> <tr><td style="font-size: 2em; vertical-align: middle;">}</td><td>Clover</td><td style="text-align: right;">8</td></tr> <tr><td></td><td>Timothy</td><td style="text-align: right;">15</td></tr> <tr><td></td><td>Red Top</td><td style="text-align: right;">15</td></tr> </table>	}	Clover	8		Timothy	15		Red Top	15
}	Clover	8								
	Timothy	15								
	Red Top	15								
Hemp—Broadcast	40 to 50									
Melon, Water—Hills	2 to 3									
Melon, Musk—Hills	2 to 2½									
Oats—Broadcast	80 to 90									
Onion, Black Seed—Drills	5 to 6									
Onion, Bottom Sets—Drills	250									
Onion, Black Seed, for Bottom Sets	40 to 60									
Parsnip—Drills	6 to 7									
Peas—Drills	100									
Peas—Broadcast	150									
Potatoes—Hills	500									
Pumpkins—Hills	5 to 6									
Radish—Drills	8 to 10									
Rye—Broadcast	100									
Sage—Drills	8									
Spinach—Drills	10									
Squash, bush varieties—Hills	4									
Squash, running varieties—Hills	3									
Sugar Cane, if for sugar	6 to 10									
Sugar Cane, if for fodder	70 to 80									
Tomato, in beds to transplant	¼ to ½									
Turnip and Ruta-baga—Drills	1½ to 3									
Turnip and Ruta-baga—Broadcast	3									
Vetches—Broadcast	150									
Wheat—Broadcast	80 to 100									
Wheat—Drills	75 to 80									


We Make a Specialty of Hardy Northern Grown Seeds
Adapted For This Climate As Well As Alaska

SEATTLE SEED CO'S

PRICED CATALOGUE

FOR 1910

319 First Avenue South _____ SEATTLE, WASH.

 Prices Subject to Change Without Notice

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SEATTLE SEED CO.

H. SCHUETT, Proprietor and Manager



VEGETABLE SEED

:: DEPARTMENT ::



Be not deceived by flaring headlines and beautiful appearing illustrations of so-called wonderful **NEW** creations in the plant world. Nine times out of ten they are only old-timers dressed up in new clothes

and lauded to the sky in order to sell at exorbitant prices. We offer you all the old and tried varieties "sure to grow," and whenever we find something new of merit we offer it to the trade only after we are convinced of its reliability.

ARTICHOKE

LARGE GREEN GLOBE—The variety used as a table vegetable. The edible portion is the thick end of the leaf of the flower head, cooked like asparagus. Sow early in drills one foot apart, and, when about ten inches high, transplant into rows four feet apart each way. It will produce only a small crop the first year, but will continue in good bearing five years. Cut before the bud opens.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 95c; lb., \$3.25.

ASPARAGUS

One of the first and most healthful of early spring vegetables. Soak the seed twenty-four hours in warm water, and sow in drills one foot apart. An ounce of seed will sow about thirty feet of drill. Keep the soil mellow and free from weeds. After one year's growth, transplant a foot apart, in rows about three feet apart. The crown of the plant should be six inches below the surface. Keep the soil loose, manure heavily, and give an annual dressing of salt when the plant is dormant.

CONOVER'S COLOSSAL—The standard variety, on account of its large size, great productiveness, and superior quality.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

COLUMBIAN MAMMOTH WHITE—A newer and distinct and valuable variety. The stalks are white, of the largest size; very productive and early.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

PALMETTO—About the same size as Colossal, quite early, and shades towards rich green in color.

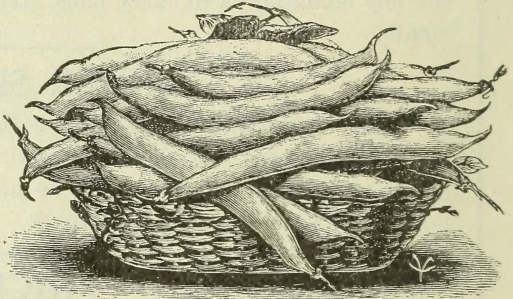
Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 65c.

BEANS

[When beans by the pound are wanted by mail or express, prepaid, remit 10 cents per pound, to cover charges; 10, 25 and 100-pound lots at buyer's expense for freight.]

Plant, after danger of frost is past, in rich, mellow loam, or highly manured soil, finely pulverized. The bush varieties yield best when planted four to six inches apart in two and one-half to three foot rows. Keep the ground moist, and cultivate thoroughly, being careful not to work among nor handle them when wet or damp with rain or dew.

Dwarf or Bush Green Podded Kinds



[10 cents a pound extra if sent by mail or express prepaid.]

EXTRA EARLY RED VALENTINE, IMPROVED ROUND POD—Is of healthy, vigorous growth, and has no superior in any respect among the green-podded kinds. The pods are round, very fleshy, tender, and rich. The bean is rather small, and, when ripe, usually irregular in form and red in color.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

EARLY MOHAWK—The hardiest of the bush kinds, and may safely be planted a week earlier than any other. The pods are pale green, large and broad. The vines continue in bearing a long time, and will withstand a light frost. The bean is large, dark purple and brown mottled.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY LONG YELLOW SIX WEEKS—A standard variety; vines vigorous and productive; pods very long and tender when young. The bean is long, and of a rich brownish yellow color.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY ROUND YELLOW SIX WEEKS IMPROVED ROUND POD—Thick, fleshy pods, and quite stringless; very early and hardy; superior to the old Yellow Six Weeks. Dry beans are yellow drab, and nearly round.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EXTRA EARLY REFUGEE—Said to be the earliest green-podded variety, fit for the table two weeks in advance of the old Refugee, and retaining all the good qualities of that standard sort.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

BEANS—Continued

REFUGEE or THOUSAND TO ONE—The best late kind for snaps, and very productive. The pods are dark green, veined with purple, tender and crisp, and considered the best variety for pickling. The bean is rather small, oblong, dark purple to black, mottled with light yellowish brown.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

BROAD WINSOE—Also known as Horse Beans. Stock erect, strong and shrubby. The bean is large, broad and flat; it is best green shelled. To insure well-filled pods, pinch off the top of the stock and the ends of the shoots when the pods are forming. A very popular table vegetable in European countries.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 6c per lb.

STRINGLESS GREEN POD—A valuable addition to the green-podded sorts; extra early, round, fleshy pods; very brittle, and almost entirely stringless.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

Dwarf Lima Beans

[10 cents a pound extra if sent by mail or express prepaid.]

HENDERSON'S BUSH LIMA—A small Lima Bean, early and prolific; desirable for early use, but not equal in quality to the different Large Limas.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12c per lb.

Dwarf or Bush Wax, Yellow Podded Kinds

[10 cents a pound extra if sent by mail or express prepaid.]

EXTRA EARLY CHALLENGE BLACK WAX—Extremely early, about a week in advance of any other wax variety, and considered the most desirable for first crop. The plants are vigorous and very productive; the pods resemble those of the Prolific German Wax, but are a little flatter. Ripe beans medium size, jet black.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

GOLDEN WAX—A standard wax variety, earlier than the old wax kinds. The pods are stringless, very tender, and excellent. The bean is of medium size, purple and white marbled, and one of the best quality, green shelled or dry.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

DAVIS WAX—A hardy, rustless, and immensely productive bush variety. The pods are long, nearly straight, white, and handsome; cooked when young they are tender, juicy, and of fine flavor. The dried bean is kidney shaped, clear white, and a favorite for baking and canning. Popular with canners and market gardeners.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

WARDWELL'S KIDNEY WAX—A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax-like pods. They are fleshy, tender and excellent, and are ready for the table earlier than any other wax kind, except the Black-Eyed

Wax. The bean, which is white with dark markings around the eyes, is larger than most other wax beans.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

RUST-PROOF or DETROIT WAX—Excellent in some respects any other wax variety. Is not likely to rust, even when exposed to very wet weather. Pods flat, good length and very broad. Its quality of keeping fresh and crisp a long time after being picked makes it valuable for shipping long distances. It is extra early, quality in the pod all that can be desired, and also excellent green shelled.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

GERMAN WAX, WHITE SEEDED—Much resembling the Black Seeded, except that the pods are larger. The bean, being white, is preferred by some dry for winter use.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

PROLIFIC GERMAN WAX, BLACK SEEDED—This is a new kind, and an improvement on the German Wax. It is very prolific, yielding a larger crop than any other bush variety. The pods are large, of a creamy color, and good quality. The bean is rather small and glossy black.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

Pole or Running Varieties

The pole or running kinds require greater care than the dwarf or bush varieties, but continue in bearing all summer, and yield a much larger crop. They should be planted in rich, mellow soil, in hills four feet apart each way, and well supported with frames or poles firmly placed in the ground. Plant five or six beans in each hill, but allow only three or four vigorous plants to mature.

WHITE CREASE BACK—Vines not as large as some other kinds, but very productive. The pods, which are produced in large clusters, are round, fleshy, of superior quality, mature early, and stand shipping any required distance. The bean is small, white, very firm, and excellent dry shelled. A great favorite in many parts of the South.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

SOUTHERN PROLIFIC—A very productive kind, continuing in bearing until frost. The pods are very tender, as they grow rapidly, and are ready for the table earlier than any other pole variety. They are produced usually in clusters of four, and are in every respect superior as snaps. The bean is small, and of a dark dun color.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

KENTUCKY WONDER or OLD HOME-STEAD—A vigorous, good climber, very prolific, bearing in clusters extremely long and very fleshy, succulent pods, round, thick, and remarkably tender. Dry beans are dun colored, long, and oval. A first-class pole variety.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

DUTCH CASE KNIFE—Produces large, flat pods, that are excellent for snaps, cut young. The bean is white, large, flat, and superior quality green shelled or dry.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

BEANS—Continued

LONDON HORTICULTURAL or SPECKLED CRANBERRY—Very desirable for the family garden. Vines vigorous, bearing light green pods, streaked with red. The bean is large, oval, cream-colored, beautifully splashed with red, and has no superior for cooking, either green shelled or dry.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

SCARLET RUNNER—A rapid grower, cultivated both for its beautiful scarlet blossoms and for table use. The pods have an approved flavor of their own, cooked as snaps, when about three-fourths grown; the most popular of all string beans in England. The bean, which is very large, is handsomely variegated with dark purple and black, and is used by many green shelled.

Pkt., 10c; lb., 25c.

Pole or Running Lima Beans

LARGE WHITE LIMA—A tall, slender, vigorous vine, bearing smooth, light-green leaves, white blossoms, and pods in clusters. The pods are long, broad, and thin, the beans large, kidney shaped flat, and unsurpassed in quality, green shelled or dry. This variety comes to its highest state of perfection in the rich valleys of the Pacific Coast and in the Southern States, where it continues long in bearing, producing a large crop.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12c per lb.

KING OF THE GARDEN LIMA—Larger pods and larger beans than the Large White Lima. Quite a favorite with market gardeners.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12c per lb.

BEETS

For Table Use

The Beet is hardy, and may be planted as soon as the ground can be well prepared, doing best in rich, sandy soil, sown in rows of sixteen inches apart, covered one and one-half inches deep. The seed will sprout better if soaked twenty-four hours in warm

water before planting. Thin out by using the largest ones when they are of sufficient size, continuing until they are six or eight inches apart in the row. For field crop, the rows should be far enough apart to permit the use of a horse cultivator.

EXTRA EARLY ECLIPSE BLOOD TURNIP—An improved early kind, having a small top and taproot. The flesh is bright and dark red, tender, and sweet. It attains a good size without becoming woody, and is a good keeper.

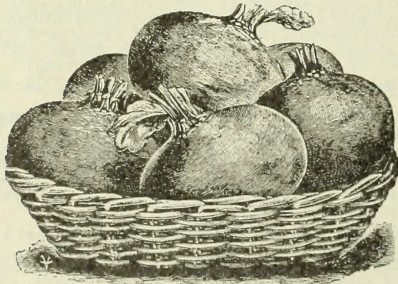
Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY EGYPTIAN BLOOD TURNIP—Excellent for forcing, maturing early; of medium size, flattening on top; flesh deep red, fine grained, and sweet; best used when young.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY BASSANO BLOOD TURNIP—This variety produces a large top and leaf stalks that are excellent cooked with the young roots. They should be used as soon as large enough, as they become coarse and tasteless with age. Flesh light red, shaded with circles of white.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.



EARLY BLOOD RED TURNIP—A leading turnip-shaped variety, of medium size,

rapid growth, not liable to become woody, keeps well. Flesh bright red, tender, and sweet.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

CROSBY'S EXTRA EARLY EGYPTIAN BLOOD TURNIP—Very early, large, globular, somewhat lighter colored than the above, and of fine tissue and flavor.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EDMAND'S EARLY BLOOD TURNIP—Dark red flesh, zoned with a lighter shade; very crisp and tender; keeps sufficiently well to be used as either a summer or winter variety; very desirable addition to the list of turnip-shaped sorts.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

DARK RED TURNIP—Has several attractive features, and is considered by some the best variety. Globular, smooth, handsome, uniform in shape, with small tops; it matures early and lasts long; flesh sweet, crisp, and tender. Superior for home use; a favorite with market gardeners and excellent for canning purposes.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

HALF LONG BLOOD RED—One of the very best for winter use; does not become woody, and keeps equally as well as the Long Dark Blood. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties. We recommend our customers to give it a trial.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

BEETS--Continued

LONG SMOOTH DARK BLOOD—The leading late variety, keeping well all winter. Should be planted in rich, warm soil to secure rapid growth, which makes it tender. Top small, root long and smooth; flesh, deep purple; fine, and sweet.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

SWISS CHARD SILVER or SEA KALE BEET—Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves reappear and make excellent greens, taking the place of spinach.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

Beets For Stock Feeding

(25-lb. lots at buyer's expense for freight.)

LONG RED MANGEL WURZEL—A large variety, producing an enormous crop. Grows much above ground; flesh white, shaded with red. Grown mostly for stock feeding, but used for the table when young.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

IMPROVED MAMMOTH LONG RED MANGEL WURZEL—An improvement on the Long Red Mangel Wurzel. Roots of more uniform shape; flesh darker in color and generally better relished by stock. Produces an enormous crop.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

YELLOW GLOBE MANGEL WURZEL—An excellent, large, orange-colored variety; very productive and a good keeper. Particularly adapted for growing on shallow soil.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

YELLOW GIANT INTERMEDIATE, LEVIATHAN, OR GATE POST—An improved variation from Yellow Ovoid; smooth skin; sweet, firm flesh; heavy cropper and good keeper.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

YELLOW OVOID MANGEL WURZEL—Similar to the Yellow Globe, but grows to a much larger size, and more of a half-long shape. Yields an enormous crop. One of the most desirable stock-feeding mangels.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

GOLDEN TANKARD MANGEL WURZEL—Ovoid in shape, grows to a large size, and produces an astonishingly large crop. Flesh of a bright yellow, very nutritious, and said to be preferred by stock to any other. Can be grown successfully on shallower soil than Long Red Mangels, and is more easily gathered.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

FRENCH WHITE SUGAR RED TOP—Large and excellent. The flesh is of a fine grain, tender, and sweet. Rich in sugar, and very productive. Superior for stock feeding, and sometimes used for the table when young.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

LANE'S IMPERIAL SUGAR—An improved variety of the French Sugar Beet, recommended as being hardier and as containing more sugar than the old variety. Large and excellent for stock.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

Beets For Sugar Making

(25 lbs. and over at buyer's expense for freight.)

VILMORIN'S IMPROVED WHITE SUGAR—A medium-sized white Sugar Beet, claimed to be the result of scientific selection from sugar-producing varieties. Uniform in size, form and color, and of a high percentage of sugar.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

KLEIN WANZLEBEN or GERMAN IMPERIAL WHITE SUGAR—This is the variety mostly grown in California, for use in the manufacture of sugar. It gives the best results raised in sandy soil free from alkali. It is very profitable as a Sugar Beet. Hardier and more easily handled than Vilmorin's.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; 25 lbs., 16c per lb.

Broccoli

Broccoli is a species of cabbage so nearly resembling the cauliflower as to be hardly distinguishable from it, being, however, taller, hardier, and more easily grown. Treatment and cultivation the same as for cauliflower.

EARLY WHITE FRENCH is the best variety. Vigorous and hardy; heads hard, white, compact, and durable.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.

Brussels Sprouts

Cultivated for the small heads, which are very sweet and of excellent quality, growing in great numbers on the tall stem of the plant. Particularly valuable for our Washington climate, as a few plants will supply a constant succession during the whole season. Cultivate the same as cabbage.

DWARF, IMPROVED—The best. Produces abundantly. Break away the spreading leaves at the top of the plants when the sprouts begin to form.

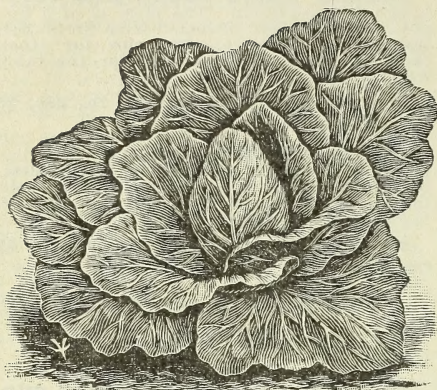
Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.50.

CABBAGE

Cabbage is the most universally cultivated of all garden vegetables, and will thrive in almost any soil, but, to bring it to the greatest perfection, the soil should be deep, rich and moist. For early use, sow in hot-

bed or cold frame in winter or very early in the spring. For general culture, sow in beds and transplant, the early varieties, late kinds, three or four feet apart each way.

CABBAGE—Continued



Early or Spring Varieties

EARLY JERSEY WAKEFIELD—The variety so popular in the New York market. Heads conical, of medium size, firm, very crisp, and tender. Early and a sure header.
Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; lb., \$2.00.

EARLY EXPRESS—A rapid grower, and held by some to be the earliest in cultivation. It resembles somewhat the Jersey Wakefield, but is rather larger, not quite so pointed, and of a more creamy tint. The heads are firm, tender, and of fine quality.
Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; lb., \$2.00.

CHARLESTON or LARGE WAKEFIELD—Larger and a little later than the Early Jersey Wakefield, but having the same general shape, except that it is less pointed. A good sort for market gardeners.
Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; lb., \$2.00.

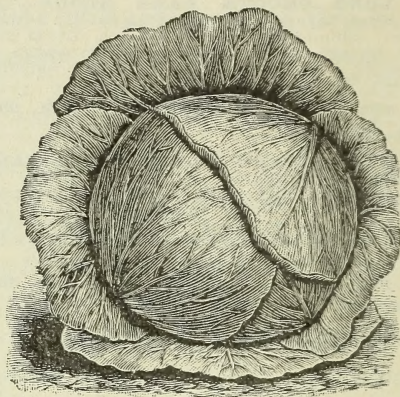
EARLY YORK—A leading early kind. Being rather small, it can be set closer than most others. The heads form rapidly, and are very tender and sweet. Usually not quite as large as the Jersey Wakefield.
Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.50.

Second Early or Summer Varieties

HENDERSON'S EARLY SUMMER—A strong growing large header, somewhat conical in form; a better keeper (i. e., less liable to burst) than the average of early sorts.
Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

EARLY WINNIGSTADT—A desirable kind, having conical, solid heads; a sure header under almost any condition; keeps better and is less liable to suffer from blight, drought, or frost than most early varieties. Fine, and of excellent quality.
Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

EARLY DRUMHEAD—A standard medium early variety. Heads large, round, slightly flattened and excellent for the family or market garden. It does not crack, and keeps till well on in the winter.
Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.



EARLY DWARF FLAT DUTCH—A medium early kind, much resembling the Early Drumhead. It grows low on the stem, and is a sure header; firm, fine grained, tender, and excellent. Keeps almost as well as the late kinds.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

SUCCESSION—A medium early variety, producing large, round heads slightly flattened, which do not crack readily, and are solid and of excellent quality.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

ALL SEASONS—Medium early, heads large, slightly flattened; grows low on the stem, and resembles the Early Summer, except that the heads are usually larger, of fine flavor, tender, and sweet, and superior for all purposes. It is also a good keeper, and can be used as a fall and winter variety.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

ALL HEAD EARLY—An excellent early variety. Compact, round head; smooth, thick leaf; likely to become a general favorite.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

Late Varieties

LARGE LATE FLAT DUTCH—A hardy vigorous, and sure-heading sort; large, handsome, and solid; none better as a late market variety, especially for shipping purposes and for long keeping.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., \$1.75.

PREMIUM LATE FLAT DUTCH—A leading late variety. Produces large, round heads, flattened on top; heads sure to form, keeps well, and of excellent flavor, tender, and sweet. One of the best late market kinds.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., \$1.75.

PREMIUM DRUMHEAD—An improvement on the Large Drumhead, grows lower on the stem, is larger, and matures earlier, but keeps quite as well, and has no superior in any respect for all family and

CABBAGE--Continued

marketing purposes, either for medium early or late crop. The seed we offer is unsurpassed by any in the market.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., \$1.75.

SUREHEAD—Remarkable both for its certainty to head and its ability to withstand drought. Compact, medium to large.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., \$1.75.

DANISH BALL-HEAD or HOLLANDER—A very hard heading, late variety, enduring both frost and drought remarkably. Introduced from Denmark and rapidly gaining in popularity. Plants produce a solid, round head. Keeping qualities of the best.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

MARBLEHEAD MAMMOTH DRUM-HEAD—The largest variety known, culti-

vated mostly on account of its enormous size, usually averaging thirty pounds, but sometimes attaining double that weight. It is hardy and a good keeper, but coarser and not as well flavored as most other kinds. Its common English name of Cow Cabbage indicates one of the uses of this variety.

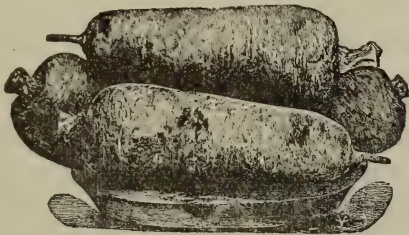
Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

RED DUTCH—Form a small, round, solid head of a deep red or purple color. Hardy and keeps well; used mostly for pickling and salads.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

DRUMHEAD SAVOY—A large and firm variety of fine quality, leaves very much crinkled. The flavor is very much improved by a light frost.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

CARROTS

Sow as soon as the ground can be thoroughly prepared, in rows fifteen inches apart, and, when well up, thin to from four to six inches apart, according to the kind you are growing. The seed germinates slowly, requiring sometimes three weeks for the young plants to appear. To get a start of the weeds, soak the seed a day or two in tepid water, and roll it in sand, plaster, or wood ashes before sowing, or let the ground lie several days after it is prepared for the seed, when the weeds can be killed. The soil should be rich and loose, and it will produce smoother carrots if it is manured the year previous. Sow three pounds to the acre or one ounce to one hundred and fifty feet of row.

EARLY FRENCH FORCING HORN—The earliest, quickest growing, and best for forcing. The root is thick, but very short; flesh deep orange, fine grained, and excellent; best for the table when not quite mature.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

EARLY SCARLET HORN—The best early kind for general use. It is larger than the forcing variety, but fully as good in quality, and produces a much larger crop.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 70c.

OX-HEART or GUERANDE—A new variety, having a small top, but rather large, thick, heart-shaped root. The flesh is deep orange, fine grained, and excellent, for either the table or stock feeding.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 70c.

EARLY HALF-LONG SCARLET, STUMP ROOTED—A little later than the Horn va-

rieties, but equal to them in grain and quality; has no hard core, and is not surpassed by any kind for either table use or stock feeding.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 65c.

CHANTENAY—For table use, one of the best in shape and finest in quality; half long uniformly stump rooted, and smooth; color deep orange red; flesh crisp and tender. Early and a heavy cropper.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 65c.

DANVERS ORANGE, HALF LONG—In form about midway between Long Orange and Short Horn. It is of a rich, dark orange color, very smooth and handsome, and easier to dig than most carrots. First class in every respect, both for the garden and field crop.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 65c.

FINEST LONG ORANGE—The leading large, scarlet-fleshed variety, grown extensively for stock feeding, as well as for table use. For size of root, quality of flesh, and quantity of crop it has no superior. Requires a deeper soil than the short and half-long kinds.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

LARGE WHITE BELGIAN—Extensively grown for stock feeding. The most productive of all. Grows much above ground, so that the entire crop can be pulled by hand. The White Belgian has recently been much improved, in the same manner as the Finest Long Orange, and is now larger and of finer quality than formerly. The stock we offer has no superior.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 45c.

SHORT THICK WHITE—Half-long thick, smooth, very productive, the heavier part above ground, the root tapering to the point, flesh of good flavor, white, solid, and crisp.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

SHORT WHITE VOSGES—Specially adapted for growing in shallow soils; short rooted, thick at the shoulder, easily handled, yields heavily; a growing favorite for stock feeding.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

CAULIFLOWER

The cauliflower belongs to the cabbage family, and, from its superior qualities as a table vegetable, is a prime favorite. To insure success, a rich, moist soil should be selected. For early crop, start in hotbed; for later use, sow in open ground, transplanting to fifteen inches apart, in thirty-inch rows. Cultivate thoroughly, hilling up the earth around the stalks at each hoeing and water well while the heads are forming.

EARLY SNOWBALL—By many considered one of the best varieties. A sure header, producing handsome, round, firm heads, of excellent flavor and quality. Heads large, mature early, and keep well all winter.

Pkt., 5c; oz., \$1.50; 2 oz., \$2.50; ¼ lb., \$4.50.

EXTRA EARLY DWARF ERFURT—Very dwarf, sure to head, and the earliest. The heads are of good size, pure white, very solid, of excellent quality, and delicate flavor.

Pkt., 5c; oz., \$1.25; 2 oz., \$2.25; ¼ lb., \$4.00.

EARLY LONDON—A leading early variety; a sure header, hardy, and easier of

cultivation than many other kinds. The heads are large, solid, very white, tender, and delicious.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., \$1.00.

EARLY PARIS—A popular early sort. The heads are large, white, tender and excellent. Early and compact growing. A favorite with market gardeners.

Pkt., 5c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.65.

EARLY FAVORITE—A certain header; large, white heads; tender and delicately flavored. A standard variety for early or late crop, and a good keeper.

Pkt., 5c; oz., 65c; 2 oz., \$1.25; ¼ lb., \$2.00.

LENORMAND'S SHORT STEM—One of the largest and most reliable for general cultivation. The heads are well protected by leaves, so that it is particularly valuable for growing in dry, hot localities.

Pkt., 5c; oz., 65c; 2 oz., \$1.25; ¼ lb., \$2.00.

LARGE ALGIERS—Upright, large, a sure header; heads well protected by leaves in the event of frost; has no superior in quality as a late variety.

Pkt., 5c; oz., 70c; 2 oz., \$1.25; ¼ lb., \$2.25.

CELERY

The seed germinates slowly, and should be started in rich, mellow, open beds, in rows, to avoid crowding the young plants, and more easily keep them free from weeds. When two or three inches high, transplant to furrows, and when eight to ten inches high, fill up the furrows, continuing at intervals to hill up till fully matured and blanched, taking care not to get earth between the stalks. The vigor and quality of the stock are improved by partially topping when transplanting. Cultivate thoroughly, and keep well watered.



GIANT PASCAL—A new variety. It is large and of unusually rapid and vigorous growth. The stalks are easily blanched, firm, crisp and tender, of a beautiful golden tint, and possessing in a high degree the rich, nutty flavor which is the chief characteristic of superior quality in this popular

salad plant. Our stock is the very best in the market.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

GOLDEN SELF-BLANCHING—A variety somewhat resembling the White Plume, and, like it, requiring but little earthing up to secure perfect blanching. It is of a rich golden tint when ready for the table; very handsome and of excellent quality.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; lb., \$2.75.

GOLDEN-HEARTED DWARF—A new variety of great value; splendid keeper, remarkable for its fine quality. Heart of bright golden color.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.40.

LARGE WHITE SOLID—A standard variety, and one of the largest. A strong, vigorous grower, crisp, tender and of good flavor; firm and keeps longer than most others.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

EVANS' TRIUMPH—A superior late kind; slow growing and a good keeper; large, crisp, white, sweet and excellent.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.40.

HARTWELL'S PERFECTION—Not so large as Evans', but one of the best flavored varieties. The stalks are medium size, very crisp and tender, and of a fine, nutty flavor.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.40.

WHITE PLUME—A new variety; popular on account of its naturally white leaf stalks, which require less blanching than other kinds. Tie the tops together, and hill up the earth slightly. Its handsome, plume-like top is very ornamental on the table. It is quite early and a fine market sort.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.50.

CELERY--Continued

DWARF WHITE SOLID—Remarkable for its keeping qualities. A standard variety of good flavor, solid, and crisp. Being dwarf, it can be planted closer together than most other kinds.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

CELERY SEED, FOR FLAVORING—Seed used for flavoring soups, stews, pickles, etc.

2 oz., 10c; ¼ lb., 15c; lb., 30c.

CELERIC or TURNIP-ROOTED CELERY—A variety having turnip-shaped roots, which are used principally for seasoning meats and soups; also used for salads.

Large Smooth Prague.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.40.

Chervil

A sweet aromatic plant, used as a salad while young and tender, also as parsley for garnishing, seasoning soups, etc. Sow thinly early in spring in drills a half inch deep and one foot apart; as the plants grow,

they may be thinned out, or transplanted, if desired.

CURLED—The principal variety grown.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.90.

Chicory

Extensively used to adulterate coffee, and as a substitute for it. The culture is the same as for carrots. Dig at about the same time as carrots, wash, slice and dry by artificial heat. The blanched leaves are used by some for salad.

LARGE ROOTED or COFFEE—The best kind.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

Collards

A species of cabbage, known also as Cole, or Colewort, grown throughout the South for greens. Sow in autumn, in rows a foot apart, and treat the same as cabbage.

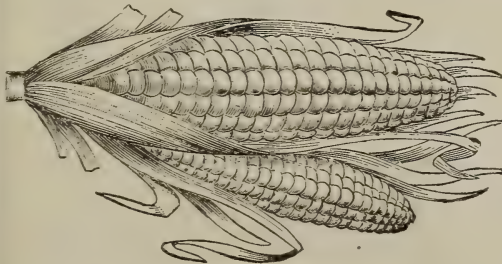
TRUE GEORGIA or SOUTHERN—The leading and best variety.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

CORN, SWEET OR SUGAR

(When corn by the pound is wanted by mail or express, prepaid, remit 10c per lb. extra, to cover charges; 10, 25 and 100-lb. lots by freight, charges collect.)

Corn thrives best in warm, rich soil. The smaller varieties may be planted ten inches apart in drills made two and a half feet apart. The larger kinds should be planted a foot apart in drills made three and a half feet apart, or may be planted in hills three and a half feet apart each way, allowing three or four stalks to remain in a hill; the latter is the usual way, though in drills the product is greater per acre. Success can only be secured by thorough cultivation.



PEEP O' DAY NEW SWEET CORN—Ten days earlier than any other; sweet, early, productive. You will not be disappointed in this New Sweet Corn. Recently introduced. Has pleased everyone who has tried it. For flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money maker for the market gardener, and a valuable addition to our list of corn for our short western summers.

Pkt., 15c; lb., 20c; 10 lb., \$1.25.

MAMMOTH WHITE CORY—A large and excellent early sort. Each stalk produces two or more handsome, twelve-rowed ears of large, white grain, of a quality superior to most early sorts.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

WHITE COB CORY—An improvement on the Red Cobbed Cory, as well as being equally early. The ears are larger, and it has the further advantage of having both a white cob and white grain. A splendid market garden variety, and excellent for the table.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY MINNESOTA—One of the earliest kinds of sweet corn. The ears are of the best quality; it is very productive. A popular early variety.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

CROSBY'S EARLY—An early kind, producing well-filled ears of ten to twelve rows. It is remarkably sweet and tender, and considered by many superior to most other kinds.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY, SWEET or SUGAR—Excellent for general crop. Medium early, remaining in condition for the table a long time, tender and sweet.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

PERRY'S HYBRID—A new variety; stalk of medium height. The ears are large, and grow low on the stalk. Kernels large, very white, tender and sweet.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY MAMMOTH—Produces the largest ears of any variety, which are filled to the tip with large, full kernels, sweet, tender and delicious. The most popular variety for canning, also good for market or home use. The leading variety for a large and certain crop.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

CORN, SWEET OR SUGAR—Continued

STOWELL'S EVERGREEN—Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy and productive, tender and sugary, and the best late variety for general use.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EARLY EVERGREEN—An improvement on Stowell's; similar in appearance and general character, but a week or ten days earlier, and remaining fit for use somewhat later than that well-known sort; equal to Stowell's in all other respects.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

BLACK MEXICAN—One of the sweetest and best for the table. It is remarkably productive and well suited to a warm climate. It is white and beautiful when in condition for cooking, but the kernels are bluish-black when ripe. Said to be less subject to the attacks of worms than other sweet kinds.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

COUNTRY GENTLEMAN—A large-eared, late variety of sweet corn, of delicious quality.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

EXTRA EARLY ADAMS—A very early variety, not strictly a sweet corn, but white and tender, and extensively used for the table.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 10c per lb.

COMMON SWEET—Used for general field crop for fodder. Sometimes sown thinly broadcast, but usually planted in hills or drills. Write for price.

Field Corn

Corn is 10c a pound extra if sent by mail or express prepaid.

EARLY RED BLAZED or KING PHIL-LIP—An early, hardy variety, enduring considerable cold. Stalks of medium height, having few suckers. The ears are long, eight rowed, and well filled. Kernels bright yellow at the base, shading into red at the tips.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

EARLY CANADA or YELLOW FLINT—A rapid-growing early yellow kind, and on this account much used for replanting. Superior where the seasons are short.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

EARLY WHITE FLINT—A variety much used for making hominy. Productive early, and of beautiful appearance.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

IMPROVED LEAMING — YELLOW DENT—Ears nine to twelve inches long, eighteen to twenty rows; grains long and wedge shaped, indented at the outer end. Color rich yellow; small red cob. For general crop unsurpassed.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

PRIDE OF THE NORTH, YELLOW DENT—A very early Dent variety, thriving where there are cold, short summers. Ears and kernels handsome yellow.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

CHAMPION WHITE PEARL—A large, white late Dent variety, pearly white kernels.

Pkt., 10c; lb., 10c; 10 to 25 lbs., 6c per lb.

Corn, Broom

Requires similar soil and culture to corn, but, to obtain the best quality of brush, the land should be rich, and well and deeply cultivated. Usually planted in drills three and a half feet apart, and thinned to four to six inches apart in the row.

IMPROVED EVERGREEN—An improvement on the common Evergreen. The result of many years' careful selection. Does not grow as tall as the old variety. The brush is fine, and of a light green tint.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 9c per lb.

Cress

The leaves, when young, have a warm, pungent taste, and are used as salad, either alone or mixed with other salad plants. The seed germinates quickly, and the plants grow rapidly. As they are milder and more tender when young, the seed should be sown at intervals of ten to fifteen days, making the first sowing as soon as the ground can be prepared. May be cut several times.

CURLED or PEPPER GRASS—The best garden variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

Cress, Water

A delicate, pungent salad plant, very agreeable alone or mixed with other salads. Entirely distinct from common cress, thriving only where its roots are submerged. Sow the seeds thinly along the banks of any shallow stream, early in spring. It will increase rapidly, if the conditions are favorable, and reappear every spring, with no further attention, being a hardy aquatic plant.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.

CUCUMBER

Cucumbers need a warm, sandy soil, and should not be planted in open ground until the weather is settled and warm, as they will not thrive until the ground is thoroughly warmed. Plant in hills four feet apart each way, thinning to three or four of the strongest plants, after danger from insects is passed. Sprinkle the young plants with fine ashes, plaster, or air-slaked lime, to protect them from bugs.

EARLY or PEERLESS WHITE SPINE—Even in shape at both ends, and uniform in size and color. In great demand for pickling, being the variety almost universally grown for the pickle factories of

Seattle. Also a fine market and table sort.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

EXTRA LONG or EVERGREEN WHITE SPINE—Has the characteristic White Spine qualities, but is longer than some other varieties, with smoother skin. A favorite early sort for forcing. The vine is a strong grower, and bears a fine crop of crisp, white-fleshed fruit.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

EARLY SHORT GREEN or EARLY FRAME—A vigorous and productive va-

CUCUMBER—Continued



riety, producing fruit of medium size and regular form; flesh crisp and tender; excellent for the table, or for pickling, while small.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

COOL AND CRISP—Related to White Spine, but longer and more pointed at the ends. Especially tender and crisp, and a favorite for the table.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 35c; lb., \$1.00.

CUMBERLAND—A new variety, combining the good points of its parents—Parisian Pickling and Early White Spine.

Vine strong and prolific of large and excellent fruit.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

GREEN PROLIFIC or BOSTON PICKLING—A prolific bearer, fruit of medium size, rather pointed at the ends, bright green, and of good quality, especially for pickling.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

EARLY CLUSTER—A productive early kind. The fruit, which is not large, is borne in clusters and is crisp and of good flavor.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

EXTRA LONG GREEN—Another good variety, tender and crisp; green, long and slim.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 35c; lb., \$1.00.

SMALL GHERKIN—A distinct variety, not strictly a cucumber; fruit very short, but rather thick; used only for pickling.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

JAPANESE CLIMBING—A sort of pole cucumber, its name being due to its origin and its tendency to climb and bear its fruit up from the ground, if afforded support; fruit large and thick.

Pkt., 5c.

EGG PLANT

The egg plant, though not universally grown, is fast winning its way to more general use, and, properly served, is a most excellent dish. It will grow in any good garden soil, but the best results are obtained in a deep, rich, warm loam. The seed germinates slowly, and should be started in a hotbed, or well-protected warm place, kept very moist. Do not transplant till the weather is settled and the ground thoroughly warm. It thrives with the same treatment as that given the tomato.

EARLY LONG PURPLE—Fruit rather long, usually largest at the blossom end; a hardy kind, productive, and a good quality.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 55c; lb., \$1.75.

EARLY ROUND PURPLE—Fruit large, oval round, deep purple, tender, and excellent. Desirable for the family or market garden.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 65c; lb., \$2.25.

LARGE NEW YORK IMPROVED PURPLE—Similar in form to Early Round Purple, but a little later. Fruit large, of good quality and produced abundantly.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 90c; lb., \$3.00.

BLACK PEKIN—Oval round, of medium size, very dark, glossy and handsome. Flesh delicate and excellent. Prized for the family garden.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

ENDIVE

The garden endive is much cultivated in Europe for winter salad. It is bitter until properly blanched, when it makes a fine salad, and is also used for greens. Sow at any time during spring, or later for winter use, in drills a foot apart. Thin from ten to twelve inches apart. Keep the ground clear of weeds until the plant has attained its full size, when it is blanched by gathering the leaves and tying them by the tips in conical form. The light and air are thus excluded from the inner leaves, which will be blanched in two or three weeks.

GREEN CURLED—The hardiest variety; dark green, beautifully curled leaves, crisp and tender.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

WHITE CURLED—Coarser and less tender than Green Curled, but very attractive on account of its color, even the outside leaves being very light colored, often white.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

BROAD-LEAVED BATAVIAN SCAROLLE—Has broad, thick leaves, which form a large, loose head. Fine for soups and stews. If blanched, by tying the outer leaves together, it makes an excellent table salad.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

KALE OR BORECOLE

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves, that are tender and of excellent flavor. It requires the same treatment as cabbage, and is very hardy, being improved by frost.

COW OR THOUSAND HEADED KALE—Recommended by agricultural colleges, granges and dairymen who have tested it as one of the most valuable forage plants for this Coast. It grows rapidly and produces a mass of thick, curly green leaves, rich and succulent, which are eagerly eaten by sheep, cattle and horses. Especially recommended for green feed during the dry summer months. Sow in drills two to three feet apart, 4 pounds to the acre and thin out as needed. Makes the most rapid growth if sown in the early spring, but can be sown in summer and fall for winter feed. Will stand light freezing. Stalks can

be cut off, or the larger lower leaves broken off, leaving the tops to grow.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., postpaid, 60c.

TALL GREEN CURLED SCOTCH—Produces an abundance of dark green, curled leaves. Very hardy. The leading variety.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

DWARF GREEN CURLED or GERMAN GREENS—A dwarf variety, finer and more compact than the Scotch. Can be sown in the fall, for use early in the spring.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

DWARF GERMAN PURPLE—A variety much prized by the Germans, and similar to German Greens, except that it has a deep purple tint. Very handsomely curled and of good quality. Also hardy, and can remain in the garden all winter.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

KOHLRABI

Kohlrabi is a vegetable partaking somewhat of the nature and flavor of both the cabbage and turnip. The stem, just above the ground, swells into a bulb resembling a turnip, which is the edible part. It should be cut for the table before it is fully grown, as it becomes tough and stringy if allowed to grow too long. Sow as soon as the ground can be prepared, in drills, the same as turnips. Thin to six inches in the row, or transplant like cabbage.

EARLY WHITE VIENNA—Best table sort; pure white, medium-sized bulbs.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

LEEK

The leek belongs to the onion family, and on account of being milder and less pronounced in flavor, is preferred by many for soups and stews. It is very hardy, and may be sown as soon as the ground can be prepared, in drills fifteen inches apart, covering one inch deep.

LARGE ROUEN, or AMERICAN FLAG

—A large, strong-growing variety, of good quality, and hardy. The leading market kind.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

MONSTROUS CARENTON—Rather larger than the Flag, and very tender and mild, on account of its rapid growth.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.50.

LETTUCE

Lettuce will thrive in any good garden soil, and requires so little care that all who have the ground at their disposal should raise enough for their own use, and especially as the quality depends almost entirely on its crisp freshness. When severe frosts prevail, it may be sown under cover in fall, and transplanted, and in milder localities as soon as the soil can be thoroughly prepared, in open ground, in drills fifteen inches apart. Thin out by using the larger plants as soon as of sufficient size, and so continue until the crop is exhausted. Keep the ground moist and loose, and the bed free from weeds.

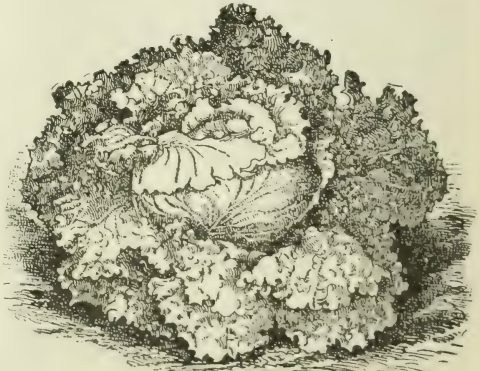
EARLY TENNIS BALL, SEED BLACK—The plant is small, of rapid growth and should be used as soon as large enough, as it quickly runs to seed. Solid head, leaves dark green, thick and crisp. One of the best for growing under cover and for forcing.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

BLACK SEEDED SIMPSON'S—An excellent variety, and not as generally grown as its merits justify. It has all the good quality of Simpson's Early Curled, which it resembles, but is larger, lighter colored, and the leaves are less curled. It is one

of the tenderest and sweetest, and remains so longer than most other kinds.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., \$1.00.



EARLY PRIZE HEAD, SEED WHITE—An early variety, not strictly forming a head, but a dense cluster of beautifully bronzed leaves, that are remarkably tender and sweet. Slow to run to seed, remaining long in condition for the table. Too deli-

LETTUCE—Continued

cate and tender for market gardening, but for family use, where it can be taken from the garden and immediately prepared for the table, it has no superior.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

BIG BOSTON, SEED WHITE—A splendid winter variety in the South, and a large header; in the North a favorite forcing sort; leaves broad, smooth and tender. Its all-around excellence makes it a popular market variety.

Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

SIMPSON'S EARLY CURLED, SEED WHITE—A leading market variety, used for very early planting and forcing. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

SAN FRANCISCO MARKET, BLACK SEED—Large, solid heads, bearing transportation well. Color beautiful medium light green; opens very white; tender and sweet. Undoubtedly a desirable acquisition as a market or family variety.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

LARGE HANSON, SEED WHITE—This variety forms the most perfect heads of any. They are small, creamy white inside, and very tender, but should be used young, as they are liable to become bitter with age, or when they mature slowly. An excellent market kind, longer in running to seed than any other.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

LARGE DRUMHEAD, SEED WHITE—A leading market variety, and one of the largest heading kinds, but the heads are not as solid as the Hanson or Deacon. It is slow running to seed, white, crisp and tender.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

DENVER MARKET, SEED WHITE—The chief characteristic of this sort is that it has a beautifully curled savoy-like leaf, which gives it a very attractive appearance. It is also a Drumhead variety of very excellent quality, and extremely early. Sure to enjoy great popularity.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

GRAND RAPIDS, SEED BLACK—A large, attractive variety that matures early, a favorite with market gardeners for keeping in good condition longer after being cut than other sorts. Fine for greenhouse forcing.

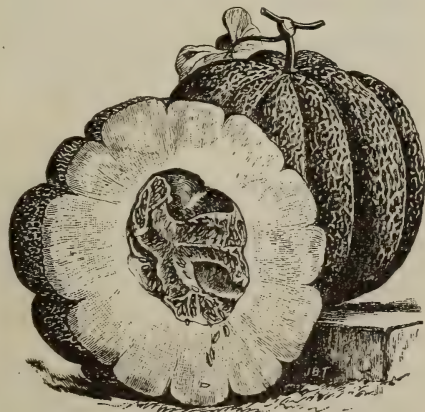
Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

WHITE PARIS COS or ROMAINE, SEED WHITE—A distinct variety, forming oblong, upright heads, largest near the top. It is hardy, tender and crisp, and does not run to seed as quickly as some other Cos varieties, of which it is generally considered the best.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

MELON, MUSK

The melon is so universally grown, and so justly popular, that it requires but little description. Of semi-tropical habit, it comes to its full state of perfection in the rich sandy loams and warm valleys of the Pacific Slope and Southern States. Under the above head all the green and yellow-fleshed Cantaloupes and Nutmeg Melons are classed.



Green-Fleshed Kinds

EARLY JENNY LIND—A small, very early variety, flattened at the ends, medi-

um to small in size. The flesh is very sweet and juicy.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

SMALL GREEN NUTMEG—A variety resembling the Jenny Lind, and ripening nearly as early. The flesh is fine and very sweet. Superior for the early market or family garden, and a favorite for hotels and restaurants.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

EXTRA EARLY HACKENSACK—A variation from the last preceding, much favored by some; coarser netting and deeper ribs. Green flesh, sweet and juicy.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

EARLY BALTIMORE or ACME—A good-sized oval-round, very desirable variety. The flesh is thick, highly flavored and sweet. Popular in the markets of the Eastern and Southern cities.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

LARGE NETTED CANTALOUPE—A rather large variety, medium early, of excellent quality; desirable either for the family or market garden.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

MELON, MUSK—Continued

NETTED GEM or ROCKY FORD—A kind that has attained great popularity; on the small or basket melon order. Shape oval, very sweet, with exceedingly smooth, grain-ed flesh. Slightly ribbed and covered with coarse netting.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

LARGE GREEN NUTMEG—An improved variety of the old Green Nutmeg; has all its good qualities, combined with larger size, thicker and firmer flesh, and a more vigorous vine. About as early as the Large Nettle Cantaloupe, which it resembles.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

LARGE MONTREAL—A large variety, ripening medium early; not deeply ribbed nor netted. The flesh is thick, firm and excellent; keeps well after taken from the vine; a good market kind.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

HACKENSACK—A large, prolific variety, growing in favor; oval round, flattened at the ends, deeply ribbed and netted. The flesh is delicious, juicy and sweet. A good market kind.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

BAY VIEW—Fully as large as the Casaba, but a handsomer melon, ripening earlier. The flesh is rich and melting, and will ripen

well if taken from the vine a little green, which makes it one of the best market kinds.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

Yellow or Orange-Fleshed Varieties

EARLY YELLOW CANTALOUPE—Similar to the Surprise, but usually larger, not ripening quite as early, and deeper ribbed. Good for the family or market garden.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

PETOSKEY or PAUL ROSE—A sweet, yellow-fleshed melon, somewhat resembling the Nettle Gem in size and appearance; firm, oval in form, of fine quality and flavor.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c.

OSAGE or MILLER'S CREAM—Medium size, shallow ribs, and thin netting; color deep green; flesh a decided salmon in color, and good clear down to the rind.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

EMERALD GEM—Medium size, rather deeply ribbed, not netted, but smooth and handsome. The flesh is as thick as the Christiana, but pronounced sweeter and more delicate flavored. It ripens early, and is very prolific.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.20.

MELON, WATER

The watermelon, in its origin and habits, is similar to the muskmelon, and should receive the same cultivation and treatment, except that the hills should be farther apart.

PHINNEY'S EARLY—A valuable early kind, producing an abundant crop. Rather long, rounded at the ends; it is mottled with stripes of dark and light green; thin, firm rind; flesh of excellent grain and quality.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

ICE-CREAM or PEEBLESS—Rind pale green, mottled, nearly round; flesh bright scarlet, very sweet and delicious; excellent for the family garden. A standard variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

LODI or SAN JOAQUIN—A great producer, and very popular in California. Cylindrical shape; uniform medium size; rind yellowish green, thin, and firm; seeds large, ashy white; flesh dark pink, firm, ripening well to the core, sweet and delicious. It holds its place in the market after being tested for many years.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

FLORIDA FAVORITE—Large and long, mottled dark green, with lighter stripes. Rind firm; flesh deep red. Popular in the South generally.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

SWEETHEART—Takes, almost, first place as a favorite in the east. Large, handsome, and a good shipper. In color, bright mottled green; in form, almost oblong, its

thickness about two-thirds the length. Flesh bright red, firm, crisp and sweet.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

KOLB'S GEM—Very large, oval shaped, deeply mottled; vines vigorous and remarkably productive. Flesh bright scarlet, solid, and sweet. Rind thin, but very firm. Can be safely shipped long distances.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

MOUNTAIN SWEET—Medium size, long, rather square at the ends, sometimes slightly curved; rind dark green; flesh deep red and firm, but ripening well to the core. A good market kind.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

GIPSY or SOUTHERN RATTLESNAKE—Above the average in size, a strong grower and good bearer, mottled and striped dark and light green; long, rather square at the ends; firm rind; flesh deep scarlet, of excellent grain and quality; ships well, and is a good market or family garden variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

DIXIE—This is a new melon of excellent quality. Flesh red and tender, ripening evenly and all good; size medium to large; skin dark green, beautifully mottled, and very attractive. A heavy cropper, and fine for shipping or home use.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

MELON, WATER—Continued

KLECKLEY'S SWEETS or MONTE CRISTO—A strong-growing and prolific variety; medium size; skin mottled in dark and light green stripes; flesh red, tender, and sweet. Not firm enough for shipping long distances.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

DARK ICING or ICE RIND—A distinct variety, resembling in size and shape the Peerless or Ice-Cream, but is lighter in color, and faintly mottled. The rind is not thick, but rather firm. The flesh is remarkably juicy, sweet, and delicious.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

LIGHT ICING or JORDAN'S GRAY MONARCH—A very large variety; light green in color; flesh light red, tender, and sweet. Considered by many the best melon grown.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

CUBAN QUEEN—The largest variety known, having attained a weight of one hundred pounds in California. Oval round, dark and light green mottled stripes of pronounced shade; vines not large, but vigorous; flesh deep scarlet and firm, ripening well to the core. A good shipper for so large a melon.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

BLACK SPANISH—A round melon of medium size; rind very dark green, thin, but firm; seeds black. The flesh is deep scarlet, firm, with no hard center, and is remarkably sweet and delicious. One of the best for the family garden; also much used for marketing.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

MUSHROOMS

The mushroom is an edible fungus that does not produce seed, but is propagated from the white fibers, resembling roots, that spread from the base of the stool, termed spawn. It is grown in out-buildings, cellars, caves, or wherever a uniform temperature of 60 degrees to 70 degrees can be maintained. Make beds of fermenting manure, which should be large and deep enough to acquire a heat of about 70 degrees. When at the proper temperature, insert bits of spawn at intervals. As soon as signs of growth appear, place two inches

of soil over them, and cover all with straw. Water is used, if necessary, which should be warmed to the temperature of the bed. Mushrooms appear in six or eight weeks and should be collected when at the proper size for the table. More complete directions are contained in each box.

French Mushroom Spawn is supplied in boxes and English in bricks.

ENGLISH—1-lb. bricks, each, 35c, prepaid.

MUSTARD

A hardy, pungent plant, highly esteemed by many as an appetizing salad, for which purpose it should be cut when two or three inches high. It is also used, when larger, as greens. The seed has an extensive sale, and is used in its natural state and prepared. It should be sown in rich or mellow soil, as early as the ground can be well prepared, in drills fifteen inches apart.

SOUTHERN GIANT CURLED—Highly esteemed in the South, where it is sown in the fall, and produces enormous bunches. Excellent for salad, and very generally used

for greens, for which it is largely cultivated.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

YELLOW CALIFORNIA or WHITE ENGLISH—Leaves mild, tender when young, and generally preferred for salad. The seed, which is light yellow, is largely used with pickles and in salads.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

NASTURTIUM

(Tropaeolum Majus.)

The nasturtium is very popular as an ornamental plant, and also for the table. The leaves when young are used as salad, and also in connection with the flowers for garnishing, and the seeds for capers and pickles, for which purpose they should be gathered while green and tender. It is hardy, and may be planted as soon as the ground can be prepared, beside a fence,

trellis, or other convenient support, where it will grow rapidly and climb high.

TALL MIXED GARDEN—Mostly used, as they produce the largest seeds. They have also very handsome foliage and beautiful flowers. For Lobbianums and fine Dwarf varieties, see Flower List.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

OKRA OR GUMBO

Extensively grown in the Southern States and California, where it may always be seen in the markets, either green or dried. Its peculiarly ribbed seed pods are much used in soups, and may be stewed and served as asparagus.

DWARF—Best for general crop. The plant is dwarf, but the pods are as long as the larger-growing kinds, and are produced much more abundantly.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

ONIONS

Onions can be successfully grown on almost any soil that will produce a full crop of corn; land that has been cultivated with hoed crops and kept free from weeds and well manured for two years previous is very much preferred. Manure evenly at the rate of about fifty cartloads to the acre; the manure must be thoroughly mixed with the soil and all well pulverized. Sow, as soon as the ground can be prepared, about one-half inch deep, and keep perfectly free from weeds.

Crops very short and prices subject to change any time.



EXTRA EARLY LARGE RED GLOBE—A large, early, rapid-growing kind. Skin deep purplish red; flesh white, mild, and unusually sweet. Best for early use, as it does not keep long. If the old ripe onions of this variety are set out in the spring, the old onion will run up to seed and the bottom disappear; but one or more new onions will grow from it, and quite a crop can be produced in this way, with very little trouble.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

EXTRA EARLY RED FLAT—Deep red in color; resembles the Red Wethersfield, except that it is much earlier and somewhat smaller; desirable for early market.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

LARGE RED WETHERSFELD—A standard variety, one of the most productive kinds, even on poor soil. Its good keeping qualities render it one of the best for shipping. Large, slightly flattened, deep purplish red. Flesh coarser and stronger than the Early Red Globe, but rich and nutritious.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

GIANT WHITE ITALIAN TRIPOLI—Resembles somewhat the American White Portugal, but is much larger. It is flat, pure white, mild, and of good flavor.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; lb., \$2.50.

AUSTRALIAN BROWN—Beautiful yellowish brown in color, slightly globular in shape, of good size, and mild flavor. Decidedly the hardest, most solid, and longest-keeping onion yet offered to the public.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

YELLOW GLOBE DANVERS—A uniformly globe-shaped, handsome variety; bright color; long keeper and heavy yielder.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

YELLOW DANVERS—The leading large yellow kind, round, slightly flattened flesh fine grained, rather mild, very rich and sweet. One of the best keepers and shippers, and one of the most productive kinds.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$1.50.

SPANISH KING or PRIZE TAKER—An immense light golden-yellow onion, originating in Spain; recently sprung into great popularity; very attractive.

Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; lb., \$2.00.

WHITE PORTUGAL or AMERICAN SILVER SKIN—A large, flat, Silver-white onion, mild in flavor, and very handsome. A great favorite for use when young as salad and for pickles. It is a good keeper, and fine for fall and early winter use.

Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., 80c; lb., \$2.50.

WHITE GLOBE—A handsome, white globe-shaped variety; flesh fine, very white, rich, and sweet. It is also one of the best keepers of the silver-skinned kinds.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

MAMMOTH SILVER KING—An immense white onion of mild flavor, very thick through, but inclined to be flat rather than globe-shaped.

Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., 80c; lb., \$2.00.

EL PASO or LARGE MEXICAN—One of the largest onions grown, frequently attaining a weight of three pounds or more. Color mostly white, but sometimes tinged with yellow and red. Flesh rather coarse, but of excellent flavor, mild, rich, and sweet. Very popular in Mexico, where it is the leading variety grown.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.00.

QUEEN—White, early, handsome, and a good keeper. If sown thick, produces small, very firm bulbs, the best of all for pickling; if given more room, matures an excellent onion that will keep all winter.

Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., 80c; lb., \$2.50.

EARLY BARLETTA—Small white, said to be the earliest of all; quite similar to the Queen.

Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., 80c; lb., \$2.50.

ONION SETS

BOTTOM ONION SETS—Are grown from seed that has been sown too thick to attain a large size. The small onions thus obtained are planted out, and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand, they make ripe onions of the best quality and come to maturity some six weeks earlier than a crop grown direct from the seed. Yellow sets are most in demand, but Red and White are used to some extent. Sow forty to sixty pounds of black seed to the acre to raise sets.

Yellow, lb., 30c; 100 lb., \$12, by freight charges collect.

PARSLEY

Parsley is very generally used for garnishing, and seasoning soups and stews. It can be used fresh from the garden, or dried and rubbed into a fine powder when it can be bottled for winter use. It becomes finer and more beautifully curled if cut frequently. As the seed germinates slowly, it should be soaked a few hours in warm water, and sown in drills a foot apart and half an inch deep, as early in spring as possible. Thin to three or four inches apart. Thrives best in deep, rich soil.

MOSS CURLED or FERN LEAVED—A beautiful fern or moss-like variety. The best for garnishing.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

FINE TRIPLE CURLED—Fine for seasoning; also good for table decoration.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

PARSNIP

The parsnip is nutritious and wholesome, with a sugary sweetness peculiar to itself, and is superior both for the table and for stock feeding. It yields a large crop, and is said to be more valuable for dairy cows than either the carrot or turnip. As the seed germinates very slowly, sow as early in spring as possible, in drills fifteen inches apart, on deeply-cultivated, rich, loamy soil. Keep clear of weeds and thin to three or four inches apart. The roots are improved by freezing.

LONG DUTCH SUGAR—A fine-flavored standard variety. Long, large roots. Sweet and sugary.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

HOLLOW CROWN—Fine, smooth roots. The best for general use. Productive and excellent.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

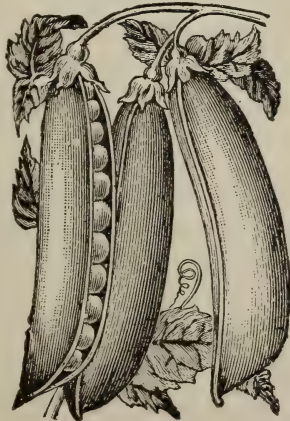
PEAS

Crop very short.

(When peas by the pound are wanted by mail or express, prepaid, remit 10 cents per pound extra for charges; 10, 25, and 100-lb. lots by freight, charges collect.)

While almost any soil will produce good peas, yet, like most other vegetables, they respond to liberal treatment and careful cultivation. Well-rotted stable manure and bone dust make excellent fertilizers for this crop. Deep plowing is of the greatest importance. For early peas, plant as soon as the ground can be worked, in light, well-drained soil and a sunny exposure. For the main crop a heavier soil may be selected. They are usually planted in double rows, about four feet apart, and three inches deep. Bush those that require it, when six inches high. The field crop may be sowed broadcast.

Our garden peas have been grown from selected seeds, are true to name, have been carefully hand picked, and are fit for gardeners' use at once. We ask our customers not to confound them with the common peas usually found in the market at a low price, which are only fit for field use or for feeding stock. Our list includes the best kinds, and is sufficiently varied to meet the wants of all.



Extra Early Peas

FIRST AND BEST—Unsurpassed for early and even ripening. One of the very

best for market gardeners, as the whole crop ripens within a few days, so that the ground may be cleared and another crop planted. About forty-five days is the average from planting until the whole crop is ready for market.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c lb.

ALASKA or EARLIEST OF ALL—Earliest and best of all the blue, smooth varieties, coming into pod as soon as the Extra Early. Height, two to two and a half feet.

Pkt., 10c; lb., 15c; 10 to 25 lbs., 12½c per lb.

AMERICAN WONDER—One of the earliest sweet wrinkled kinds in cultivation; constantly coming into more general use. It is a wonderfully productive dwarf variety, the pods being large and well filled. The pea is rather above the average in size, and very sweet and delicious. Height, nine inches.

Pkt., 10c; lb., 20c; larger quantities, write for price.

NOTT'S EXCELSIOR—One of the best Extra Early sweet wrinkled kinds. Resembles the American Wonder, but the plants are larger and more vigorous; quite distinct from that or the Premium Gem.

Pkt., 10c; lb., 20c; larger quantities, write for price.

McLEAN'S LITTLE GEM—A sweet wrinkled pea, coming in a little later than the American Wonder; grows taller, and continues in bearing longer. The quality of the pea is very superior. Height fifteen inches.

Pkt., 10c; lb., 20c.

PREMIUM GEM—One of the earliest dwarf, green, wrinkled varieties. Prolific and of fine quality. Similar to the Little Gem.

Pkt., 10c; lb., 20c.

DWARF TELEPHONE—Very similar to the large or tall Telephone, growing about 1½ feet tall and quite early. A favorite sort with our market gardeners.

Pkt., 10c; lb., 20c.

PEAS—Continued

GRADUS—This valuable creation fills a place not heretofore occupied by any kind of peas, especially for the home garden. It is extra early, producing immense pods that are filled with large, sweet, wrinkled, dark green peas of finest quality. Every family and gardener should try it.

Pkt., 10c; lb., 20c.

Second Early Peas

MCLEAN'S ADVANCER—A green, wrinkled sort, bearing fine, broad pods. Comes in next after the Gems. Popular market kind, and used extensively by canners. Height two and a half feet.

Pkt., 10c; lb., 20c.

ABUNDANCE—Medium early, very sweet, and wrinkled, peas fair size, pods well filled. Next in earliness to Advancer. Height one and a half to two feet.

Pkt., 10c; lb., 20c.

HORSFORD'S MARKET GARDEN—Another favorite among the sweet wrinkled varieties. Vines medium height, very prolific; peas medium size, dark green, fine flavored. Excellent for canning.

Pkt., 10c; lb., 20c.

EVERBEARING—Large, sweet, wrinkled, medium early, large pods, cooks quickly, perhaps not quite as sugary as some others, but very desirable. Height one and a half to two feet.

Pkt., 10c; lb., 20c.

TELEPHONE—This variety has now come into general use, and is acknowledged to be of great merit. Peas large wrinkled, very sweet; pods enormous and well filled. Height four feet; medium late.

Pkt., 10c; lb., 20c.

General Crop—Late Peas

YORKSHIRE HERO—One of the largest sweet wrinkled kinds; vines strong and spreading, pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height two and a half feet.

Pkt., 10c; lb., 15c.

STRATAGEM—A sweet, wrinkled variety, introduced from England. Vines not large, but of vigorous growth, producing a heavy crop; beautiful, long pods, well filled with large peas of good quality; two feet.

Pkt., 10c; lb., 15c.

CHAMPION OF ENGLAND—The leading late sweet, wrinkled pea. Vines large, luxuriant, and very prolific. For either family use or the market garden, it has no superior; five feet.

Pkt., 10c; lb., 15c.

LARGE WHITE MARROWFAT—A leading kind for the main crop; of vigorous growth; pods long, and well filled with large, smooth peas, that are of a creamy color, and very handsome when ripe; four feet.

Pkt., 10c; lb., 15c.

BLACK-EYED MARROWFAT—Similar to the White Marrowfat, but the vine is smaller, and the pea has a black eye. Yields heavily; three feet.

Pkt., 10c; lb., 15c.

Edible Podded Peas

TALL SUGAR, BROWN SEEDED—A variety of pea of which the pod has not the tough lining common to other varieties, therefore pods can be cooked and eaten same as string beans. This variety grows about four feet high; pods large, tender, sweet and succulent.

Pkt., 10c; lb., 20c.

PEPPER

Sow the seeds early in hotbeds, or later, when the weather becomes warm, in open beds; when two or three inches high, transplant to a warm, mellow soil, in rows eighteen inches apart and a foot apart in the row. Guano and hen manure are excellent fertilizers, and will greatly increase the yield.

LARGE BELL or BULL NOSE—A large, mild, thick-fleshed variety. One of the best for stuffed pickles.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

SWEET SPANISH or MOUNTAIN—Similar to the Large Bell, but usually larger. Excellent for pickling and stuffing.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

SQUASH or TOMATO SHAPED—Pods short, thick, and ribbed at the point. They are very productive, fleshy and mild, and excellent for pickling.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

CHILI—Produces small, pointed pods that are a brilliant scarlet, and very pungent when ripe. Used largely in the manufacture of pepper sauce.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; lb., \$2.50.

RED CHERRY—The pods are small, round, glossy scarlet, and very handsome when ripe. Excellent for mixing with pickles.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

LONG LARGE RED—This kind is planted to produce the article known as "Dried Chili," constantly found in the California and Mexican markets. It is large at the stem, tapering to a point at the tip, measuring three to five inches in length. Seeds and pods very pungent. Esteemed for seasoning various dishes.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

LONG RED CAYENNE—Brilliant, coral-red pods, three or four inches long, and a prolific bearer. Very pungent, and used very largely with pickles when green.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

PUMPKIN

Pumpkins, though sometimes used for cooking, do not compare favorably, as a table vegetables, with the finer varieties of squash, but are better adapted and more profitable for stock feeding. They do not require as rich soil as melons, and the hills should be farther apart; otherwise the treatment should be the same.

LARGE SWEET CHEESE—Large, flat, dishing at the ends; flesh very thick, sweet, and nutritious. More nearly related to the squash than the Large Yellow. Fine for the table.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

MAMMOTH—The largest known, often weighing over one hundred pounds. Oval round, deep orange, slightly mottled; flesh not thick, but, on account of its enormous size, yields a very large amount of feed per acre. Also used for the table.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

LARGE YELLOW or CONNECTICUT FIELD—A large, round variety, sometimes depressed at the ends; rind of a deep, glossy yellow. Vines vigorous and very productive. If protected, will keep well till mid-winter.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 45c.

RADISH

The radish is cultivated for its root, which should be eaten when young and tender, as in maturing it becomes strong, tough, and pithy. It should be sown for early use as soon as the ground can be well prepared, and for succession, at intervals of two or three weeks throughout the season, in rich, loose, warm soil, as the quality depends largely on its rapid growth. Sow in rows a foot apart, and thin to two inches in the row by using the largest ones as soon as of sufficient size for the table. Keep free from weeds and well watered. In the heat of summer select a cool, shady place.



EARLY LONG SCARLET—The leading variety either for the family or market garden. From six to eight inches long, standing nearly half above ground; bright scarlet, smooth, crisp, tender, and mild.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

WOOD'S EARLY FRAME—Shorter and thicker than the preceding; a good variety for forcing, and one of the best for first crop in the open garden.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

LONG, BRIGHTEST SCARLET WHITE TIPPED—Something new in the way of a long radish, and proving itself very useful and worthy of general cultivation; color strikingly bright scarlet; tip white; general appearance very attractive. It is extra early and the flesh is very tender. Valuable for forcing or open ground.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

SCARLET CHARTER, WHITE TIPPED—Roots long, tapering rather abruptly, and attaining a very large size. Of rapid growth. It is soon ready for the table, remaining crisp and tender till fully grown. Color scarlet above, shading into white at the tip. Flesh white and mild flavored.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY OLIVE-SHAPED or HALF LONG SCARLET—An excellent variety, of rapid growth, skin thin, flesh rose tinted and very tender; two or three inches long, with slender taproot.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

FRENCH BREAKFAST or HALF LONG SCARLET, WHITE TIPPED—Medium size, of quick growth, crisp, and tender; terminates more abruptly than the Half Long Scarlet; lower end and taproot white.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

HALF LONG DEEP SCARLET—A handsome variety, somewhat resembling the Olive Shaped, but of a deeper scarlet, and having a smaller top. Flesh tender and of the best quality; good for forcing.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

EARLY SCARLET, TURNIP ROOTED—The leading turnip-shaped kind. Deep scarlet, small taproot; very crisp and tender. Of rapid growth, and, if sown with others, the first ready for the table. One of the best for forcing.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

EARLY SCARLET TURNIP, WHITE TIPPED—Similar in shape and size to the Scarlet Turnip Rooted, only that the under side of the bulb and taproot are white.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

NON-PLUS ULTRA or EARLY ROUND DEEP SCARLET FORCING—A handsome early kind. Deep scarlet, smooth, and crisp; very showy when served with the White Turnip Rooted.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

EARLY WHITE TURNIP ROOTED—The best white turnip-shaped variety; pure white, small top, mild and crisp. Ready for the table in six weeks after planting.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

LONG WHITE VIENNA or LADY FINGER—The best long, white radish grown; pure white, long, tender, and sweet; a favorite also for its beauty of form and rapid growth.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

WHITE STEASBURG—One of the best of the large summer sorts; it covers a long season, as it is good when quite small. The roots are long, very white, crisp, and tender.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 70c.

RADISH—Continued

ROUND BLACK SPANISH—Roots round or top shaped; skin black; flesh very white, fine grained, and highly flavored. An excellent sort for winter, as the roots keep a long time.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

LONG BLACK SPANISH, FALL or WINTER—Very hardy, and good for winter use. If stored in sand, will keep good all winter. The roots, which present a rusty black appearance, are large, firm, and not liable to become pithy.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c.

GOLDEN GLOBE or GOLDEN SUMMER—Its chief peculiarity is its russet skin; form round; flesh solid, white, and pungent.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

SCARLET CHINA, WINTER—A half-long variety, largest near the taproot; skin bright scarlet; flesh firm and more pungent than most others. It is easily kept all winter.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

MAMMOTH CALIFORNIA or WHITE CHINA, WINTER—Extensively grown by the Chinese, who introduced it into California. It has now become popular among all classes. Very large and cylindrical, terminating abruptly, with little taproot; mild and tender, and keeps well all winter. The skin and flesh are of a transparent white.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

RAPE

DWARF ESSEX, for Sowing—This plant is used for pasture, or for turning under as a green manure; valuable for sheep. Sow in drills at the rate of five pounds to the acre, or broadcast, ten pounds.

Pkt., 5c; oz., 10c; lb., 25c.

RHUBARD OR PIE PLANT

Rhubarb is extensively raised near all large cities, and should be more generally grown, as it is ready for use before most kinds of fruit are in the market. Its culture is very simple, and it yields every spring an abundance of leaf stalks, which are delicious when made into pies, tarts, and sauce. Sow in drills eighteen inches apart, and thin the plants to six inches. In the fall, trench or subsoil a piece of ground, manure very heavily, and transplant the young roots into it, three feet apart each way. Give a heavy dressing of manure annually and cut off the seed stalks as they appear, to prevent the plants from exhausting themselves by running to seed. The seed cannot be relied on to produce the same variety.

Fkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

SALSIFY OR VEGETABLE OYSTER

Salsify is a nutritious and wholesome vegetable, having the appearance of a small parsnip, in flavor closely resembling oysters, for which it is, in that respect, a good substitute. It is rapidly coming into more general use. Sow early in the spring in drills a foot apart, and, when two or three inches high, thin out to three or four inches. Its general culture is the same as that recommended for carrots. The roots are perfectly hardy, and may remain in the ground during winter, or may be stored in dry earth or sand.

MAMMOTH SANDWICH ISLAND—The leading variety; produces a large crop of straight, smooth roots.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 35c; lb., \$1.25.

LARGE WHITE—An early kind; tender and excellent.

Pkt., 5c; oz., 15c; 2 oz., 20c; lb., 35c; lb., \$1.25.

SPINACH

A wholesome, palatable, hardy vegetable, much used for greens. It is easily grown, and may be had during the entire season. It will grow on almost any soil, but is more tender and succulent when grown in soil heavily manured and well pulverized. For a summer crop, sow early, in drills a foot apart, and thin gradually to six inches apart. For early spring use, sow in the fall, and protect in cold climates with a covering of straw. It should be cut back, using only the young leaves; the old ones are tough and stringy.

New Zealand (new)—A favorite sort with Eastern market gardeners.

Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.

SAVOY LEAVED—A very early variety, of upright growth and pointed leaves, which are crinkled, like Savoy Cabbage. Grows quickly and seeds early. Plant in autumn for early spring use.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

ROUND SUMMER—An excellent variety for early spring sowing. The leaves are round, thick, and fleshy. Good for early market gardening.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

IMPROVED THICK LEAVED—The leaves of this variety are unusually thick, fleshy and tender. It is also hardy, and may be sown as soon as the ground can be thoroughly prepared.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

VICTORIA—This variety produces the largest leaves of any, yielding an enormous crop. Excellent for the family or market garden.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

LONG STANDING—An improved variety, having thick leaves that remain tender longer than any other, and on this account one of the best for market gardeners.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

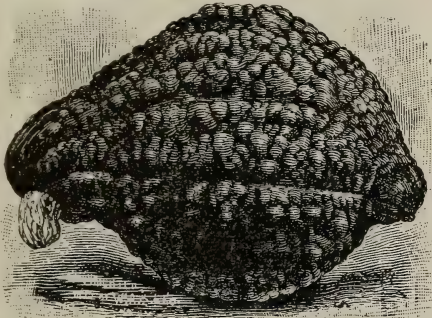
LARGE PRICKLY SEEDED—The hardiest kind, and may be sown in the fall, only requiring protection during the most severe frosts. The seed is prickly, the leaves rather long and pointed, but thick and succulent.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

SQUASH

Summer Varieties

Squashes are extensively grown, and embrace many distinct varieties. Their easy cultivation, enormous yield, and nutritious qualities render the larger kinds one of the best and most profitable crops for stock feeding. The summer varieties are ready for the table early in the season, while the winter sorts can be kept until the early kinds are again in the market. All kinds thrive best in loose, rich soil, under the same treatment as that recommended for melons. The seed should not be planted until danger of frost is past and the ground is warm. Plant the summer varieties four feet apart each way, and the winter kinds, eight feet.



EARLY WHITE BUSH SCALLOP—The leading early Bush Scallop variety; round, flat, with scalloped edges. The skin is white; the flesh is of excellent quality, and ready for use as soon as it is large enough.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

MAMMOTH WHITE BUSH SCALLOP—An improvement on the preceding in point of size, being twelve to fifteen inches across; very productive, and uniform in growth.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

SUMMER CROOKNECK—An early, prolific kind, having a solid, curved neck; the skin is yellow, thin, hard, and very warty; flesh tender and of good quality.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

MAMMOTH SUMMER CROOKNECK—Twice the size of the ordinary Summer Crookneck, also earlier and more warty; a decided advance on the old kind.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

WHITE SUMMER CROOKNECK—A comparatively new but decidedly excellent summer variety. Similar to the Crooknecks, but ivory white in color; of good quality and flavor, and sure to become a favorite.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

Late or Winter Varieties

BOSTON or VEGETABLE MARROW—A leading variety, ripening early in the fall, but keeping well through the winter; oval round, mottled dark and light yellow; flesh salmon colored, remarkable for its rich, sweet flavor.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., 85c.

MAMMOTH CHILI—The largest variety grown, having attained a weight of over two hundred pounds. Round, flattened at the ends; rind deep orange; flesh dark yellow, thick, and very nutritious. Sometimes used for the table, but more desirable for stock feeding. It is a good keeper.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

FIELD MARROW—A mixture of marrow varieties to be planted for feeding dairy cows and other stock. Yields a large crop.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 30c; 25 to 100 lbs., write for prices.

HUBBARD—One of the best and most popular kinds; rind bluish green, and very hard; flesh remarkably dry, either baked or boiled, and not surpassed in richness and sweetness by any. It is also easily kept all winter.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., \$1.15.

GOLDEN HUBBARD—Flesh deep orange, skin orange to red in color; of excellent grain and flavor. Vine vigorous and very productive, maturing its crop early; fruits six to eight pounds each, which are good keepers. Considered the best winter variety, and likely to become a favorite.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

SUGAR CANE OR SORGHUM

EARLY AMBER—Early and of rapid growth, best for sugar and syrup, making a rich, amber-colored syrup, and granulating into sugar beautifully.

Lb., 20c.

EARLY ORANGE—Of more vigorous growth and but little later than the Amber. It is good for sugar and syrup, and, on account of its unusually large yield, is the most profitable kind for stock feeding.

Lb., 20c.

TOBACCO

CONNECTICUT SEED LEAF—Hardy, and the best adapted to cool localities and for general use.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

HAVANA—Of fine texture and delicate flavor. Celebrated for its value in the manufacture of fine cigars.

Pkt., 5c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; lb., \$4.00.

TOMATO

Marked improvement has recently been made in the tomato. Its value as a table vegetable can hardly be overestimated. Its healthfulness during the heat of summer, and especially for bilious temperaments, is well known, and a diet composed largely of tomatoes, both raw and cooked, is a powerful aid in warding off the effects of malaria. The first step toward success, after obtaining good seed, is to produce strong, healthy plants. For early crop, sow as soon as desired in hotbeds. When two inches high, transplant in the beds to four or five inches apart each way, to give the plants room, and make them bushy, always keeping them well aired. If they crowd each other before time to transplant, root prune by drawing a sharp knife deeply between the plants. When danger of frost is past, transplant to rich, loose soil, keeping well watered and cultivated. For later crop, sow in cold frames or open ground, and transplant when four to six inches high. If possible, support the vines. Thus treated, they will continue in bearing much longer, and the fruit will be greatly improved.



SPARK'S EARLIANA—The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use.

Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

ATLANTIC PRIZE, EXTRA EARLY—A distinctly early variety, of good size and smooth surface. Many of the objections to the usual early kinds, such as under size, deep corrugations, and rough skin, are overcome in the Atlantic Prize.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 65c; lb., \$2.00.

EARLY MICHIGAN—An extremely smooth, perfectly-shaped tomato; solid, and without core. Vines large and vigorous. A heavy cropper, and one of the earliest.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 65c; lb., \$2.00.

ACME—Also early and popular. The fruit is smooth, handsome, solid, and of good quality. A good bearer. Color dark purplish red. A superior, early market variety, and ripens evenly.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

PERFECTION—One of the best medium early kinds; round, uniformly smooth; vines very productive; fruit deep scarlet, firm, and of excellent quality. Vines continue long in bearing.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

FAVORITE—One of the best for general crop; vines vigorous, continuing in bearing all the season; fruit very large, uniformly smooth, firm, without hard core; ripens medium early; holds its side well till frost. Is very fleshy, with few seeds.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

TROPHY (Selected Stock)—We offer selected stock of this well-known, popular variety. It ripens just after the Perfection; vines vigorous, continuing in bearing till frost; fruit large, bright scarlet, firm, and of the best quality, either fresh for table use or for canning.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

STONE—A large tomato of good quality; round or apple shaped, and very uniform, deep red in color, and exceedingly heavy.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

DWARF ARISTOCRAT—Plant dwarf and compact; fruit medium size; rich, glossy red; smooth and solid. Fine for private gardens.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

BEAUTY—A distinct variety, uniformly large; color deep crimson, inclining to purple. The vines, which are vigorous, continue to bear large, handsome fruit till the close of the season. It has but few seeds, and its handsomely-grained flesh is of superior quality. It has few equals, either for the family or market garden.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

DWARF CHAMPION or TREE TOMATO—Vines erect and vigorous; fruit of medium size, round, smooth, of excellent quality, very fleshy; approaching purple in color.

Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50.

OPTIMUS—A second early kind; uniform in size; color bright red; smooth and handsome. Our stock is the very best.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

GOLDEN QUEEN—Very handsome when prepared for the table; flesh rich and of superior quality.

Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; lb., \$3.00.

RED PEAR-SHAPED, YELLOW PLUM, RED CHERRY—Small, handsome tomatoes, resembling the different fruits named; used for pickles, preserves, and ornamentation. Seed sold separate or mixed.

Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; lb., \$3.00.

HUSK TOMATO or GROUND CHERRY—A small, yellow sort, much used for preserving; also good eaten fresh from the vines.

Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; lb., \$3.00.

TURNIP

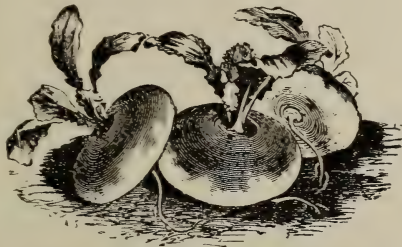
The turnip is a nutritious, wholesome vegetable, of fine texture and delicate flavor and easily affected by soil and cultivation. White-fleshed varieties are apt to deteriorate in quality if overgrown or left in the

ground too long after maturing. The best results are obtained in rich, mellow soil, adding, if possible, a dressing of wood ashes. Rotted mature should be avoided, having a tendency to make turnips rough,

TURNIPS--Continued

wormy, and strong. They are hardy, and may, in mild climates, be sown as soon after rain as the ground can be prepared, either broadcast or in drills twelve to eighteen inches apart and half an inch deep, thinning to six inches apart in the drill. The ruta baga, which is extensively grown for feeding stock during winter, is sown later, in rows two or three feet apart, and thinned to ten inches in the row. Both ruta bagas and turnips may be kept through the winter by storing in a cool, dry place, and covering with straw, or by burying in clean, dry sand. Our list includes the choicest varieties.

White Fleshed Kinds



EXTRA EARLY WHITE MILAN—This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap leaves; bulb a deep purple above, white underneath; flesh white, firm, and delicate. Remains tender and in condition for the table a long time.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

EXTRA EARLY PURPLE TOP MILAN—Same as above, but pure white.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.

EARLY WHITE FLAT DUTCH, STRAP LEAVED—A leading white-fleshed variety, and one of the best, either for the family, market garden, or field crop. It is of medium size, and produces a large crop. The flesh is firm and tender, and of a superior, rich, buttery flavor. A good keeper.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

EARLY PURPLE TOP STRAP-LEAVED. One of the best and most universally grown. Small, erect top, round flat; purplish red above, white underneath; flesh firm, but very tender and sweet. Of quick growth, it is soon ready for the table, and keeps well.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

Ruta Bagas are larger and coarser in flesh than turnips, but yield more weight per acre, and are richer and more nutritious, and for these reasons preferred for stock feeding, for which they are very profitable. They are also used on the table. They yield best in a rich, strong soil.

PURPLE-TOP SWEDE or YELLOW RUTA BAGA—A large variety, growing much above ground; is hardy, and should be sown as early as the ground can be prepared; ashy purple on top, yellow underneath. A large cropper and a good keeper.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

MONARCH or TANKARD—This is a tankard-shaped sort; color purplish crimson above ground, yellow below. The flesh is of a rich yellow, fine grained, and of the best quality. The roots grow much above

PURPLE TOP WHITE GLOBE—A large globe-shaped variety; purple above ground; it is handsome and of excellent quality, and recommended both for the family garden and field crop.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

WHITE EGG—An oval or egg-shaped variety, growing much above ground. It is pure white, smooth, and handsome; flesh tender and excellent. It is of rapid growth, and recommended for early fall planting.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

POMERANEAN WHITE GLOBE—A pure white, smooth-skinned turnip, growing in good soil to a very large size; almost perfect globe shape; good for stock or table.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c.

SWEET GERMAN—A round turnip, white solid, and sweet, but peculiar in the fact that it partakes of the nature and suggests the flavor of the ruta baga. Should be sown three or four weeks earlier than the flat varieties. A good keeper and a favorite in the Eastern states.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

COW HORN or LONG WHITE—A distinct variety, having a long, slightly-curved root, somewhat resembling a carrot. It is white, with a green tint near the top, growing partly above ground; flesh tender, sweet, and of fine quality. Can be sown early for fall and winter use.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 65c.

Yellow-Fleshed Varieties

LARGE AMBER GLOBE—Large, rather globe-shaped; yellow, tinted with green on top; flesh sweet and of good quality. It is hardy, produces a large crop, and keeps well. Good both for the table and field crop.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

ORANGE JELLY or ROBERTSON'S GOLDEN BALL—One of the best yellow-fleshed kinds, not large, rather globe-shaped; flesh fine grained, firm, sweet, and of superior flavor. Keeps well all winter.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

PURPLE-TOP YELLOW ABERDEEN—Round, medium size, light yellow, stained with purple on top. Produces a large crop, is hardy, and keeps well; flesh very firm, but tender and sweet.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

RUTA BAGAS OR SWEDES

ground, making them easier to harvest than most globe-shaped varieties.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

SKIEVING'S PURPLE TOP YELLOW—A variety closely resembling the Champion, grows to a very large size, and is of excellent quality; flesh very firm. Easily kept all winter.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

SWEET RUSSIAN or WHITE RUTA BAGA—The only white-fleshed Ruta Baga in general cultivation; is hardy, easily grown, large, and yields as heavy a crop as the best yellow kinds; flesh fine grained and solid, but tender and well flavored; good for stock and desirable for the table.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

AROMATIC, MEDICINAL, SWEET AND POT HERBS

ANISE (*Pimpinella Anisum*)—For garnishing and seasoning. The seeds are also used medicinally. They have a powerful aroma, are tonic, and frequently beneficial in cases of colic and dyspepsia. Annual.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c.

BALM (*Melissa officinalis*)—A fragrant lemon-scented herb, used for making balm tea or balm wine. It is easily grown from the seed, or multiplied by dividing the roots. The tea is a febrifuge, possessing considerable virtue, and the wine excellent to allay thirst. Hardy perennial.

Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c.

BASIL, SWEET (*Ocimum Basilicum*)—The leaves and top shoots are used for seasoning soups, stews, and sauces. Hardy annual.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c.

CATNIP (*Nepeta Cataria*)—A mild nerveine. As a tea it is excellent for children. For winter use, remove the plant by the root, and dry as other herbs. Hardy perennial.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.

DILL (*Anethum Graveolens*)—A hardy annual, the seeds of which are aromatic, warm, and pungent, and are used medicinally in cases of colic and to correct flatulence. They are also used to flavor soups and stews, and in pickles. The leaves possess similar qualities, and can be used in the same manner as the seeds.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 35c.

FENNEL, SWEET (*Foeniculum vulgare*)—The leaves are used for ornament, also much esteemed for flavoring fish sauces. The seeds have an agreeable aroma, and are used in confectionery, for flavoring, and medicinally. Hardy annual.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c.

HYSSOP (*Hyssopus Officinalis*)—The leaves and flowers are the parts used, and have a warm, aromatic, pungent taste. Medicinally it is a tonic and expectorant, acting on the bronchial tubes, and is beneficial in cases of asthma and catarrh. A hardy perennial, maturing best in a dry, sandy soil. The hyssop of Scripture is supposed to be a species of the caper.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c.

LAVENDAR (*Lavandula vera*)—So called from its extensive use by the Romans in

the bath. It is cultivated for the powerful and delicious fragrance of its flowers, which should be gathered when in full bloom, dried quickly, and carefully protected from the air and moisture. Hardy perennial.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c.

MARJORAM, SWEET (*Origanum Marjorana*)—A perennial in warm climates, but unable to withstand severe winters. The young shoots and leaves are peculiarly aromatic, and are used for flavoring, either fresh from the garden or dried.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c.

RUE (*Ruta graveolens*)—A stimulant in medicine, but, on account of its powerful acrid effect, should be used with great care. The plant should not be allowed to run to seed, or the young shoots should be cut before the seed matures, or they lose their strength. Hardy perennial.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.

SAGE (*Salvia officinalis*)—Sage is used, almost universally, as a condiment for relishes and flavoring. Used medicinally, it is diuretic in effect, producing gentle perspiration. It is a hardy perennial, that should have rich soil and thorough cultivation. Cut the young shoots just before blooming, dry quickly in the shade, and store carefully, or pulverize and bottle.

Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c.

SAVORY, SUMMER (*Satureia Hortensia*)—Cultivated for the young shoots, which are dried and used for flavoring soups, dressings, and meats. It is a hardy annual, and may be sown as soon as the ground can be prepared.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 35c.

SORREL (*Rumex acetosa*)—A hardy perennial plant, much prized by the French. It has a sour taste, and is used as a salad, and by some in soups and sauces. Can be propagated by dividing the roots. To secure a good growth of leaves, cut out the flower stalks as they appear.

Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 60c.

THYME (*Thymus vulgaris*)—A hardy perennial, a warm, pungent, and very aromatic plant, much used for flavoring soups, dressings, etc. It is also a nerveine, and tea made from leaves is used with good effect in cases of nervous headache. It can be used either fresh or dried. Plant as soon as the ground can be prepared.

Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c.

CLOVER AND GRASS SEEDS

Clover and grass seeds at pound prices include postage or express charges prepaid at our expense; 10, 25 and 100 pound lots by express or freight, at buyer's expense for charges.

As the country becomes settled, and lands that have been used for grazing only are inclosed and devoted to agriculture or the growing of fruits, the question of economically raising and fattening stock for market becomes a more important one. To solve the problem, the farmers are fast turning their attention to the raising of grass and clover. Fully appreciating the growing importance of this branch of husbandry, we are constantly adding to our facilities to meet every requirement of our largely-increasing trade.

ALFALFA (*Medicago sativa*)—Alfalfa, also known as Lucerne and Chilli clover, is one of the most valuable foliage plants, yielding a prodigious amount of feed, which is relished by all kinds of stock, and is very nutritious. It should be cut just before

coming into bloom. The hay is especially valuable for dairy cows. As soon as cut, it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green, and grows as rapidly as ever. Prepare the land by deep plowing and thorough harrowing. Sow from twenty to thirty pounds of seed to the acre, and harrow or brush it in well. Seeding thick will produce fine stalks—a desirable feature, either in hay or pasture. The seed should be sown in spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before frost.

Per lb., 30c; 100 lbs. or over, write for price.

RED CLOVER (*Trifolium pratense*)—The standard clover for all purposes, either pasture, hay, or for improving and enriching the soil. It is hardy, and may be sown at any time when the ground is in condi-

CLOVER AND GRASS SEEDS—Continued

tion to receive the seed. It succeeds well on any good soil, and thin, light lands are made fertile and rich by allowing them to remain seeded to it for a number of years. It yields the heaviest crop of any clover except alfalfa, and makes superior hay, especially if mixed with timothy, either for dairy cows or general use. Sow from twelve to fifteen pounds per acre, being careful to get it evenly distributed over the ground.

Per lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 20c per lb.; 100 lbs. and over, write for price.

MAMMOTH RED CLOVER (*Trifolium pratense*)—Similar to Red Clover, but coarser and taller, and considered of more value for reclaiming and enriching waste land, as it sustains itself, and succeeds sometimes when Red Clover fails. Sow from twelve to fifteen pounds per acre in time to get the benefit of ample moisture.

Per lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 20c per lb.; 100 lbs. and over, write for price.

WHITE DUTCH CLOVER (*Trifolium repens*)—A small variety, having a white blossom. It is of a vining nature, spreading rapidly, and will soon cover bare spots if the stand be uneven. It does not attain sufficient height to be profitable for hay, but is superior for pasture either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn, mixed with blue grass. When sown alone, use eight to ten pounds per acre. Harrow the soil until it is very fine before sowing.

Per lb., 40c; 10 to 25 lbs., at buyer's expense for freight, 30c per lb.; 100 lbs. and over, write for prices.

ALSIKE or SWEDISH CLOVER (*Trifolium hybridum*)—A comparatively new and perfectly hardy variety, which is rapidly growing in popular favor. It yields large crops of excellent hay, and, under favorable conditions, may be cut several times during the season. It is also valuable for bees. It is well calculated to resist both drought and excessive moisture. It is perennial, and produces a mass of long, fibrous roots, which hold the soil, making it useful for permanent pasture on hillsides which are liable to wash. When used alone sow from six to eight pounds per acre.

Per lb., 35c; 10 to 25 lbs., at buyer's expense for freight, 20c lb.; 100 lbs. and over, write for price.

TIMOTHY (*Phleum pratense*)—Timothy is indigenous in North America, and takes its name from Timothy Hanson, who first introduced it into England. It is nutritious, and relished by all herbivorous animals, either as pasture or hay. In moist soils it affords excellent pasture in the fall after the hay has been harvested. It should be cut just before or immediately on coming into bloom, as it loses much of its strength and flavor, and becomes hard and strawy, if allowed to ripen. It is perennial, sods readily on any good soil, and does not fall even on clayey lands when well prepared. It yields a moderately heavy crop of hay, that should be well cured, to prevent molding, and salted as it is mowed or stacked. To secure a good stand fifteen to twenty pounds should be sown to the acre.

Per lb., 20c; 10 to 25 lbs., at buyer's expense for freight, 8c lb.; 100 lbs. and over, write for price.

ORCHARD GRASS (*Dactylis glomerata*)—Also known as Cock's Foot. A tall grass, having large, glossy blades. It is justly becoming more popular, as it is one of the best forage grasses known, on account of its rapid growth, being ready for grazing

ten to fifteen days earlier than most other kinds, and, where the ground is kept moist, continues to grow vigorously as fast as eaten off, till late in fall, and in warm localities all winter. It yields a heavy crop of hay, and succeeds well in open timber lands. If intended for hay only, it is usually mixed with clover, as they both bloom at the same time, and can be cut when at their best. It is perennial, and has a tendency to grow in tufts, and should be sown thick. It succeeds on any good soil, and requires thirty to forty pounds per acre to secure the best results:

Per lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 20c lb.; 100 lbs. and over, write for price.

Red TOP (*Agrostis vulgaris*)—Also known in some sections as Herd's Grass, and by some as English Grass and Rhode Island Bent Grass. It is perennial, and the best yield is obtained on wet and even marshy land. The blades and stalks are fine, and generally preferred for grazing; but where a good stand is secured, it affords a profitable hay crop. The seed is fine and light, and care should be taken to get sown evenly. The proper quantity is thirty pounds per acre for seed in chaff, and half that for fancy.

Red Top, in chaff, lb., 25c; Red Top, fancy, clean, free from chaff, lb., 35c.

HARD FESCUE (*Festuca Duriuscula*)—A fine, rather dwarf-growing variety, justly noted for its drought-resisting qualities. It is prized by some for lawns, and is especially valuable as a pasture for sheep, as it succeeds well sown on uncultivated land, where the soil is loose. Sow thirty pounds per acre.

Lb., 40c.

KENTUCKY BLUE GRASS (*Poa pratensis*)—One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. It is perennial, and in warm localities, where the ground is kept moist, and it is pastured or frequently cut, to prevent the seed from ripening, will continue to grow luxuriantly the entire year. It is also incomparably the best grass known for lawns and parks, and, where covered with fine manure every fall, watered well and evenly, and cut frequently, will furnish a handsome, velvety lawn for years, requiring no resowing. For pasture, sow forty to fifty pounds to the acre, but to secure a fine lawn, much heavier seeding is required, and not less than eighty pounds should be sown.

Fancy clean, 35c per lb.; 10 to 25 lbs., at buyer's expense for freight, 25c lb.; 100 lbs. and over, write for price.

ENGLISH PERENNIAL RYE GRASS (*Lolium perenne*)—A strong-growing, hardy, perennial grass, noted for its nutritive qualities. It is equally valuable both for grazing and hay, and will succeed on any good, tillable land, if well prepared. It is easily cured, and kept either in the mow or stack. Also makes a fine lawn, and for large grounds and parks is very successful. Does not require the close care that Blue Grass does, and will flourish better under trees or in shady locations. For field crop, sow forty to fifty pounds to the acre, and if used for lawns, not less than seventy-five pounds.

Lb., 25c; 10 to 25 lbs., at buyer's expense for freight, 12½c per lb.

Extra heavy for lawns and parks, lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 15c lb.; 100 lbs. and over, write for price.

CLOVER AND GRASS SEEDS—Continued

ITALIAN RYE GRASS (*Lolium Italicum*)—A perennial variety, extensively grown in many parts of Europe. One of its chief points of merit is its rapidity of growth. Where the seasons are short, either from limited rains or long, severe winters, this variety is found valuable. Though a distinct variety, its qualities are similar to the English Perennial, and will succeed on the same soils. From forty to fifty pounds per acre should be sown.

Per lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 15c lb.

TALL OAT GRASS (*Avena elatior*)—Valuable in mixtures for permanent pastures in dry, gravelly soil. It is perennial, and will readily form a permanent sod with little moisture. Sow thirty or forty pounds per acre when used alone.

Per lb., 35c.

FINE-LEAVED FESCUE (*Festuca tenuifolia*)—One of the best of all grasses for sheep, and should be used in all mixtures for permanent pasture. It is still finer than the Hard Fescue, and, like it, succeeds on virgin soil. Sow thirty pounds per acre, if possible, just before rain.

Per lb., 45c.

BROME GRASS (*Bromus inermis*)—A variety coming from Hungary and the northern provinces of Turkey. It is nutritious, and yields a heavy crop, and in these respects is said to be not inferior to alfalfa. It comes highly recommended as a variety that will mature a good crop with an astonishingly small amount of moisture, succeeding where most other kinds fail. We deem it worthy a thorough trial by farmers and stock raisers, on virgin soil and in dry sections. Thirty pounds per acre should be sown.

Per lb., 35c; 10 to 25 lbs., at buyer's expense for freight, 15c lb.; 100 lbs. and over, write for price.

BERMUDA GRASS (*Cynodon dactylon*)—Suitable only for climates where the winters are not below the freezing point. Particularly adapted to the Southern States, as it stands the hottest and driest season, and is very valuable for stock, being exceedingly nutritious, and for summer pasture is very valuable. Sow eight to ten pounds per acre on well-prepared land; rolling in is all that is necessary to make a sufficient covering. It is slow to germinate, requiring at least thirty days under favorable circumstances.

Per lb., 75c; 5 lbs., by mail or express, prepaid, \$3.50.

MIXTURE FOR DRY LANDS—Our mixture for permanent pasture is composed of a variety of grasses, selected especially for their ability to survive drought, poor soil, close feeding, and for their nutritive and lasting qualities. We recommend it as the best mixture to be had for the use for which it is designed. Fifty pounds to the acre.

Per lb., 35c; 100 lbs. and over, write for price.

LAWN GRASS—Nothing adds a greater air of refinement to a home than a handsome, well-kept lawn. It not only increases its value financially, but renders it doubly valuable in the higher sense of enjoyment, and is within the reach of all who have the ground to devote to it. The cost need not deter any, if leisure hours are devoted to its care. The directions we give to secure a good lawn, when using Fancy Clean Kentucky Blue Grass, will be equally successful when mixtures are sown. Cut with a lawn-mower frequently, and water thor-

oughly and evenly immediately after mowing. This will make it fine and velvety. This mixture includes fine perennial varieties in proper proportions to secure a close and permanent sod. Fifty to sixty pounds of seed should be sown to the acre, or one and a half pounds to a plat of ground twenty feet square.

Fine Mixed, lb., 35c; 10 to 25 lbs., at buyer's expense for freight, 25c lb.

Extra Fine Mixed, lb., 40c; 10 to 25 lbs., at buyer's expense for freight, 30c lb.; 100 lbs. and over, write for price.

MEADOW FESCUE or ENGLISH BLUE GRASS (*Festuca Pratensis*)—A perennial variety, growing from three to four feet high. It roots deep, and on this account resists drought better than most grasses. It is extensively grown in England and on the continent. It succeeds in any ordinary soil, and well repays the labor of deep plowing and thorough harrowing in preparing the land. It yields a heavy crop of superior hay, and is one of the best kinds for pasture, as it comes early and remains green until late. It is valuable to mix with other kinds, as it sometimes succeeds where others fail. Use thirty pounds per acre when sown alone.

Lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 20c.

MILLET, COMMON (*Panicum millaceum*)—A variety growing from three to four feet high, having rather broad blades and strong stalks. It supplies a valuable hay crop, and affords excellent pasturage. The seed is also extensively sold in the market and used with mixed bird-seed. It should have rich, mellow soil, well prepared. For a seed crop, sow fifteen pounds per acre; for hay and pasture, use thirty pounds. Annual.

Per lb., 25c; 10 to 25 lbs., 7c per lb.; by freight or express, charges collect; 100 lbs., write for price.

MILLET, GERMAN or GOLDEN (*Panicum Germanicum* var.)—An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the common, and yields a heavier crop of hay. The grains of seeds are larger and of a deeper orange yellow. For a crop of seed, sow twelve to fifteen pounds per acre; for hay, twenty-five to thirty pounds. Annual.

Per lb., 25c; 10 to 25 lbs., 8c per lb.; by freight or express, charges collect; 100 lbs., write for price.

Seed Potatoes

We have secured a few tons of seed stock of the wonderfully productive new Potato, called **UNCLE SAM**—absolutely the finest white Potato ever produced; has rich, nutty flavor, pure, white flesh, with entire absence of black spots; cooks up white and mealy, but does not fall apart. **Very productive.**

We offer choice stock, grown in sandy soil, as long as stock lasts at only 15c per lb., postage paid; \$3.00 by the hundred pounds, freight extra.

We also carry a good line of very early and medium early kinds, such as **Early Ohio, Early Wonder, Select Early Rose, Early Michigan, Daybreak**, as well as the ever popular **Burbanks**. Write for prices.

CLOVER AND GRASS SEEDS—Continued

Seed Wheat, Seed Rye, Seed Oats

We carry all the leading as well as new varieties for spring and fall sowing. Write for further information and prices.

Buckwheat

SILVER HULL—A very good and popular variety. Grain is of a light gray color, rounder than the common; has a thin husk; matures earlier and yields heavy. A good milling variety.

Per lb., postpaid, 15c; 100 lbs., \$3.50.

JAPANESE — This variety excels all others; yields much heavier; ripens one week to ten days earlier; stands up better and makes better flour. Excellent for bee pasture.

Per lb., postpaid, 15c; 100 lbs., \$4.00.

Cow Pea

The so-called "Cow Peas" are really a small bean of strong running growth, with a large and abundant glossy, dark-green foliage. Most desirable for enriching the soil and for furnishing a large crop of nutritious forage. These so-called "Cow Peas" gather quantities of nitrogen from the air, a portion of which is conveyed to the soil by the roots, but a much larger amount can be stored in the soil for fertilizing by allowing the vines to die down and plowing them under. They yield as high as five to nine tons of green feed per acre. The vines may be cut either for feeding green or can be cured like clover for winter use. Sow two bushels per acre.

WHIP-POOR-WILL—The earliest maturing variety of upright or bush growth. The seeds may be gathered and the plants harvested more readily than with the running type of growth.

Per lb., postpaid, 20c; by freight or express, 10 lbs., 90c; 100 lbs., \$7.50.

Field Peas

Field Peas are a very profitable crop and are grown here very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. The dry peas makes excellent hog feed and are quite fattening. Sow, if alone, 120 pounds to the acre; if with other grain, 60 pounds.

WHITE CANADIAN—A leading kind; seed almost white; a heavy cropper.

Per lb., postpaid, 15c; 100 lbs., \$3.75.

BLUE PRUSSIAN—Very much like the above, except in color. This variety is largely sold for soup peas.

Per lb., postpaid, 15c; 100 lbs., \$3.75.

Bird Seed

Not for Planting.

S. S. Co.'s Best Mixed, per lb., postpaid, 20c.

Canary—Best Recleaned, per lb., postpaid, 20c.

Hemp, per lb., postpaid, 20c.

Millet, per lb., postpaid, 20c.

Rape, per lb., postpaid, 20c.

Cuttle Bone, Large Bone, postpaid, 2 for 5c.

Barley

BEARDLESS — The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season and land, has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season.

Per lb., postpaid, 15c; 100 lbs., \$2.75.

CHEVALIER BARLEY—A great improvement on the Regular Barley. This is much earlier, free from rust and an enormous yielder. Will outyield common barley two or three times. It stands up well and seems to be adapted to all kinds of soil. The heads are always filled with good, plump, heavy grains that have a very thin hull.

Per lb., postpaid, 20c; 50 lbs., \$1.25; 100 lbs., \$2.50.

COMMON BARLEY—We always aim to have a nice, clean stock of good Seed Barley on hand at all times.

Per lb., postpaid, 15c; 100 lbs., market price.

Flax Seed

Recleaned for planting.

Per lb., postpaid, 20c; 100 lbs., \$5.00.

Flax for other purposes.

Per lb., 20c; 100 lbs., \$4.00.

Ground Flax, for medicinal uses.

Per lb., 25c.

Idaho Pea or Coffee Berry

A forage plant, valuable for semi-arid lands. Yields excellent crops of feed for horses, cattle, sheep and poultry. The peas, when nicely browned and ground, make an excellent beverage.

Per lb., postpaid, 25c; 100 lbs., \$6.00.

Soja Bean

A very valuable fodder plant, either for feeding green or for the silo. It is a rich food and is unsurpassed for forming flesh. Sow thirty pounds per acre in the spring after the ground becomes warm. Like clover, it improves the soil by drawing nitrogen from the air. Very productive.

Per lb., postpaid, 25c; 100 lbs., \$9.00.

HUNGARIAN MILLET—A valuable species of dwarf millet, finer than the Common and German varieties, but producing a closer stand and yielding as much per acre. Requires less moisture than most other grasses to mature a profitable crop, and the hay is a favorite with stock. Sow twenty-five to thirty pounds per acre. Annual.

Per lb., 25c; 10 to 25 lbs., 7c per lb.; express or freight, charges collect; 100 lbs., write for price.

WILD RICE (*Zizania Aquatica*)—For planting in duck ponds. A valuable forage plant; also furnishes food for wild fowl, ducks, geese, etc. Seed can be sown on the borders of lakes, ponds and small streams and grows very rapidly in one to four feet of water, attracting all of these wild birds from September on. It also purifies the water and affords a refuge for the small fry from the large fish.

Per lb., postpaid, 35c.

CLOVER AND GRASS SEEDS—Continued

Prices on Field Seeds are subject to market changes, but we will always send you full value, whether it be more or less, unless otherwise ordered. Special prices in quantity on request.

Vetches

SPRING VETCHES (*Vicia sativa*)—A species of pea grown for stock. Sow broadcast sixty-five to one hundred pounds to the acre, and treat same as field peas.

Per lb., 25c; 10 to 25 lbs., 8c per lb.; 100 lbs., \$6.00; by freight or express, charges collect.

SPELTZ—A hay and grain crop in one. Yields 50 to 100 bushels per acre and makes

four to six tons of hay. Price per lb., 20c by mail; 50 lbs. for \$2.50; 100 lbs., \$4.00; by freight.

MACARONI WHEAT—Suitable for dry land, yielding very heavy crops. Per lb., 20c, postpaid; 100 lbs., market price.

SAND, WINTER or HAIRY VETCHES (*Vicia villosa*)—This variety flourishes well on poor soils. The vines are tall, and furnish a great amount of feed. If cut when full grown, it will start up again, and give a good yield of forage or seed the same season. One hundred pounds to the acre broadcast.

Per lb., 30c; 10 to 25 lbs., at buyer's expense for freight, 15c per lb.; 100 lbs., write for price.

STRAWBERRY PLANTS

POPULAR AND BEST WESTERN SORTS

WILSON—A heavy bearer of fine, moderate-sized berries; leading sort for canning.

MAGOON—Large, firm and excellent; sub-acid flavor; bears heavily; later than the Wilson.

CLARK'S SEEDLING—The best shipper; berries large, firm, delicious; vines

bear large crops; is especially adapted to dry soil.

MARSHALL—Recommended by Corvallis Experiment Station as being the best all-round strawberry; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness it is superior to the Magoon.

PRICE LIST OF PLANTS.

By mail, postpaid.

Kinds—	Dozen.	100.	1000.
Clark's Seedling	\$0.25	\$1.00	\$ 4.50
Magoon	.25	1.00	4.50
Wilson	.25	1.00	4.50
Marshall	.35	1.25	6.00
New Oregon, each 10c	.50	3.00	15.00

Not less than 500 plants of a kind at the 1000 rates; 50c per M. less in sacks.

Special prices on large quantities. State amount and kind wanted.

VEGETABLE PLANTS

CABBAGE—

	Dozen	100	1000.
Early or late kinds	Post-paid \$0.20	By Express \$0.75	\$6.00

Add 25c per 100 for Cabbage Plants by mail.

CAULIFLOWER—

	Dozen	100.	1000.
Early Snowball	Post-paid \$0.30	By Express \$1.25	\$3.00
Late kinds	.30	1.00	7.00

Add 25c per 100 for Cauliflower Plants by mail.

CELERY—

	Dozen	100.	1000.
Leading kinds	Post-paid \$0.25	By Express \$0.75	\$6.00

Add 25c per 100 for Celery Plants by mail.

TOMATOES—

	Dozen.	100.	1000.
Leading kinds	Post-paid \$0.30	By Express \$1.00	\$7.00

Add 40c per 100 for Tomato Plants by mail.

VEGETABLE ROOTS, ETC.

ASPARAGUS.

One-year-old plants—Postpaid, doz., 25c; 50, 75c; 100, \$1.00. By express or freight, doz., 20c; 50, 50c; 100, 75c.

Two-year-old plants—Postpaid, doz., 40c; 50, \$1.00; 100, \$1.50. By express or freight, doz., 25c; 50, 75c; 100, \$1.00.

Write for prices if wanted by the thousand.

HORSE RADISH ROOTS.

Postpaid, each, 5c; doz., 40c. By express or freight, doz., 25c; 100, \$1.50.

HOP VINES.

Strong roots—Postpaid, each, 5c; doz., 40c. By express, doz., 25c; 100, \$1.50.

We can make very low prices if wanted by the thousand.

RHUBARB ROOTS.

Varieties—Mammoth, Giant and Linnaeus. One-year-old roots—Postpaid, each, 8c; doz., 75c. By express or freight, doz., 50c; 100, \$3.00.

Two-year-old roots—Postpaid, each, 15c; doz., \$1.50. By express or freight, doz., 85c; 100, \$6.00.

If wanted in larger quantities, write for special prices.

FRUIT TREES AND BUSHES

APPLES—	Each.	Per 100.
Two-year-old	\$0.25	\$18.00
One-year-old, 4 to 6 feet....	.20	15.00
Select, 2 to 3 years old.....	.35	.....
APRICOTS—	Each	Per 100
Two-year-old	\$0.35	\$30.00
One-year-old, 4 to 6 feet....	.30	25.00
Select, 2 years old.....	.40	.....
CRAB APPLES—	Each.	
Nice stock trees	\$0.35	
CHERRIES—	Each	Per 100.
Two-year-old	\$0.50	\$40.00
One-year-old, 4 to 6 feet....	.35	30.00
One-year-old, 3 to 4 feet....	.30	25.00
Select, 2 years old.....	.75	.....
PEARS—	Each.	Per 100.
Two-year-old	\$0.35	\$30.00
One-year-old, 4 to 6 feet....	.30	25.00
Select, 2 to 3-year-old stock.	.50	.....
PEACHES—	Each.	Per 100.
Two-year-old	\$0.35	\$25.00
One-year-old, 4 to 6 feet....	.30	20.00
Select, 2 years old.....	.40	.....
PLUMS—	Each.	Per 100.
Two-year-old	\$0.25	\$20.00
One-year-old, 4 to 6 feet....	.20	15.00
Select, 2 to 3 years old.....	.30	.....
PRUNES—	Each.	Per 100.
Two-year-old	\$0.25	\$20.00
One-year-old, 4 to 6 feet....	.20	15.00
Select, 2 to 3 years old.....	.35	.....
QUINCE—	Each.	
Two-year-old	\$0.40	
One-year-old .....	.35	
Select, 2 years old.....	.50	

Small Fruits

CURRANTS—	Each.	Per 100.
Two-year-old	\$0.15	\$10.00
One-year-old .....	.10	8.00
Extra large selected bushes.	.25	.....

RASPBERRIES—	Each.	Per 001.
Best Red Sorts.....	\$0.06	\$4.00
Low prices by the thousand.		

BLACKCAP RASPBERRIES—	Each.	Per 100
Two-year-old	\$0.08	\$7.00
One-year-old (January 1)....	.06	4.00
Low prices by the thousand.		

GOOSEBERRIES—	Each.	Per 100.
Two-year-old	\$0.10	\$8.00
One-year-old .....	.08	6.00
Large selected bushes.....	.15	.....

GRAPES—	Each.	Per 100.
Two-year-old	\$0.20	\$12.50
One-year-old .....	.15	8.00
Extra large and strong roots	.25	.....
Low price for thousand.		

Fruit Tree Seeds

The following do not produce the same varieties from seed, but the seedlings are used as stocks on which to graft or bud all approved varieties.

APPLE—Seeds may be planted in fall, winter, or spring. If not planted till spring, the seed should be kept moist during winter. Select deep, rich, moist soil, and sow thickly in rows two feet apart. Keep free from weeds.

¼ lb., 20c; 1b., 60c.

PEAR—Plant the same as apple seed, but for growing pear stocks, the ground should always be deep, rich, and moist, and the young plants should be cultivated often, to insure a rapid growth the first season, as upon this depends their value for stocks. They are budded and grafted the same as apples.

Oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1b., \$1.50.

FLOWER SEED DEPARTMENT



GENERAL DIRECTIONS FOR CULTURE

Flowers generally succeed best in a sandy loam, made rich with well-rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

The mistake is often made of working the soil when too wet, so that in drying it bakes and cracks. The soil should always be dry enough to work up mellow, and crumble when struck with a spade.

If fine seed is to be planted, make the surface even with a piece of board; sow the seeds, and then carefully sift a little dirt over them, after which water with a watering-pot, having a fine nose. Shade from the hot sun until well up. Larger seeds should be planted deeper. A hot-bed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make

their germination and rapid growth more certain. Most seeds do well if sown in boxes in a sunny window in the house. Plants are usually ready to be transplanted when they have made a growth of two inches. It is a very common mistake to let them stand so close together as to crowd each other. Give each plant plenty of room, according to its habit of growth.

All plants, and especially annuals, exhaust themselves in maturing seeds, consequently, to insure the health of the plant, and concentrate its full vigor in the continued production of an abundance of the finest blossoms, the flowers should all be taken from the stem when in full bloom, or at least as soon as the petals begin to wither or fall.

Many annuals, in warm climates, or when taken in or protected during the winter, become perennial, with, however, but short lives.

LIST OF CHOICE FLOWERS

Worthy of Special Attention, Embracing
ANNUALS, BIENNIALS, PERENNIALS, CLIMBERS AND EVERLASTINGS

All Flower Seeds Sent Free by Mail on Receipt of the Price Placed Opposite Each Variety

ABRONIA

Mixed, Pkt., 10c.

ABUTILON

(Flowering Maple.)

Fine mixed hybrids, pkt., 25c.

ACROCLINIUM

(Everlasting Flower)

Album—Pure White Pkt., 5c
Mixed—All colors Pkt., 5c

AGERATUM

Mexicanum—Light blue Pkt., 5c
White—Dwarf Pkt., 5c
Fine Mixed—All colors Pkt., 5c

AGROSTEMMA

Thrives in any good soil.

Coronaria (Rose Champion)—Perennial.
..... Pkt., 5c

AGROSTIS

(Ornamental Grass.)

Nebulosa—One of the most graceful..
..... Pkt., 5c
Pulchella—Very fine and delicate. Pkt., 5c



QUEEN OF THE MARKET ASTER.

ASTERS

- Truffant's Paeony Flowered Perfection**—Full flower, perfect in form. Choice mixed Pkt., 10c
New Rose—Ten finest varieties, mixed. Pkt., 10c
Dwarf Bouquet—Grows a mass of choice flowers. Fine for beds and borders. Splendid mixed Pkt., 10c
Victoria—Very handsome, well-formed plant. Flowers of beautiful globular form. Twelve splendid varieties, mixed Pkt., 10c
Washington—Extra double, large flowering, vigorous growth, delicate colors. Extra mixed Pkt., 15c
Dwarf Chrysanthemum—Dwarf, compact habit. Large flowers. Very free blooming. Mixed Pkt., 10c
Japanese—A very distinct and attractive class. The plants are vigorous, producing large, beautiful flowers, having long, tubular and twisted petals. Pkt., 10c
German Quilled—Large flowers of brilliant colors, freely produced. All colors Pkt., 5c
Betteridge's Quilled—Extra mixed. Pkt., 10c
Snow White—Desirable for bridal or funeral decoration Pkt., 10c
Fine Mixed—Assorted varieties and colors. In great variety Pkt., 10c

BACHELOR'S BUTTON

(Centaura Cyanus.)

- Pink Pkt., 5c
Blue Pkt., 5c
White Pkt., 5c
Choice Mixed Pkt., 5c

BALLOON VINE

(Cardiospermum—Love in a Puff.)
Pkt., 5c.



ALYSSUM

White Sweet—Very fragrant; useful in bouquets. Hardy annual Pkt., 5c
Golden Alyssum (Saxatile)—The golden-yellow flowers are desirable for rock-work and masses in beds. Hardy perennial Pkt., 5c

AMARANTHUS

Caudatus (Love Lies Bleeding)—Drooping flowers Pkt., 5c
Crisentus (Prince's Feather)—Erect flowers Pkt., 5c
Tri-Color (Joseph's Coat)—Beautifully variegated, foliage scarlet, yellow and green Pkt., 5c

ARISTOLOCHIA-SIPHO

(Dutchman's Pipe.)

Hardy perennial Pkt., 10c

ASPERULA

Fine for borders Pkt., 5c

LIST OF CHOICE FLOWERS—Continued

BALSAM.

- (Ladies Slipper—Touch-Me-Not.)
 Hardy annual, easily grown.
 Double White—Extra choice. Pkt., 10c
 Camellia Flowered Double—Finest mixed
 Pkt., 10c
 Rose Flowered—Double mixed. Pkt., 10c
 Double Dwarf—Mixed Pkt., 5c
 Double Tall—Mixed Pkt., 5c

BARTONIA.

- Golden Bartonia—Very fine. Pkt., 5c

BRIZA or QUAKING GRASS.

- Hardy annual.
 Maxima—Large Pkt., 5c
 Gracilics—Dwarf, slender Pkt., 5c

BROWALLIA

- Mixed Pkt., 5c

BRYONOPSIS.

- Pkt., 5c.

CACALIA.

- (Tassel Flower.) Hardy annual.
 Mixed—All colors Pkt., 5c

CALANDRINIA

- Grandiflora—Rosy lilac Pkt., 5c
 Speciosa Alba—Dwarf. Very fine. Pkt., 5c

CALCEOLARIA

- Grandiflora—Large flowered, self-colored,
 splendid, robust, profuse bloomers. Pkt., 25c
 Hybrida—Tigered and spotted, brilliant,
 Finest mixture Pkt., 25c



CALLIOPSIS or COREOPSIS.

- Choice Mixed Pkt., 5c

CALLIRHOE.

- Pedata—Dark red Pkt., 5c
 Nana Compacta—New. Very dwarf and
 compact. A profuse bloomer. Pkt., 5c
 Verticillata—A trailing variety, bearing
 a profusion of crimson-purple flow-
 ers Pkt., 5c

CAMPANULA MEDIUM—See Canterbury Bell.

CANARY BIRD FLOWER.

- (Tropaeolum Canariense.)
 Half-hardy annual, of rapid growth.
 Yellow Pkt., 5c

CANDYTUFT.

(Iberis.)

- Purple Pkt., 5c
 White Pkt., 5c
 Dwarf Mixed—Compact habit. Pkt., 10c
 Fine Mixed—All colors Pkt., 5c

CANTERBURY BELL.

(Campanula Medium.)

- Double and Single—Blue. Pkt., 10c
 Double and Single—White. Pkt., 10c
 Double and Single—Mixed. Pkt., 5c

CARDIOSPERMUM—See Balloon Vine.

CARNATIONS.

(Dianthus Caryophyllus.)

- Early Flowering Vienna—Extra
 Mixed Pkt., 10c
 Double Red—A splendid variety
 for florists Pkt., 15c
 Double White—Very fine Pkt., 25c
 Double Yellow—Choice Pkt., 25c
 Carnation Marguerite Pkt., 5c
 Fine Double Mixed—All colors. Pkt., 10c
 Extra Choice Double Mixed—From
 superb varieties, including
 Flakes, Bizarres and Selves. Pkt., 25c

CASTOR BEAN.

(Ricinus.)

- Sanguineus—Brilliant scarlet Pkt., 5c
 Borboniensis Arboreus—The larg-
 est variety. Tall and stately. Pkt., 5c
 Mixed—Best varieties Pkt., 5c

CATCHFLY.

(Silene.)

- White Pkt., 5c
 Red—Very fine Pkt., 5c
 Fine Mixed—All colors Pkt., 5c

CELOSIA.

- Plumosa—Mixed colors of great
 brilliancy Pkt., 25c
 Argentea—Bears long, silver-white
 plumes which, when dried, are
 fine for winter bouquets. Pkt., 10c

CENTAUREA.

(Dusty Miller.)

- Candiddissima—The finest, hand-
 some silver foliage. Leaves
 deeply indented. Half-hardy
 perennial Pkt., 15c
 Gymnocarpa—Foliage silver gray,
 drooping, graceful. Perennial. Pkt., 10c
 Americana—Blue flowers. Annuals. Pkt., 5c
 Moschata (Sweet Sultan)—Blue,
 yellow, and white mixed. Pkt., 5c

CHRYSANTHEMUM.

- Frutescens Marguerite, or Paris
 Daisy—White and yellow flowers. Pkt., 10
 Burridgeanum (Lord Beacons-
 field)—White and rose. Very
 fine Pkt., 5c
 Venustum—White, crimson center. Pkt., 10c
 Japonicum—Extra choice mixed,
 from the finest Japanese var-
 ieties. Perennial Pkt., 25c
 Double White Pkt., 5c
 Double Yellow Pkt., 5c
 Eclipse—Tricolor. Purplish scar-
 let, brown, and yellow. Choice. Pkt., 5c
 Mixed—Very choice double. Pkt., 5c

CINERARIA.

- Hybrida—Double. Mixed. Extra
 choice Pkt., 25c
 Hybrida Nana—Mixed. Dwarf. Free
 flowering Pkt., 25c

CLARKIA.

- Finest Mixed Pkt., 5c

CLEMATIS.

- Flammula—Covered with hand-
 some tufts of white flowers. Pkt., 5c
 Mixed Hybrida—All the choice var-
 ieties Pkt., 10c

CLOVER, Sweet Scented.

(Trifolium Suaveolens.)

- Pkt., 10c.

LIST OF CHOICE FLOWERS—Continued

COBEA SCANDENS.		GODETIA.	
Tender Perennial	Pkt., 5c	Best Varieties, Mixed	Pkt., 5c
COCKSCOMB.		GOLDEN FEATHER.	
(Celosia Cristata.)		Pkt., 5c.	
Variegated—Combs beautifully variegated with crimson and gold	Pkt., 10c	GOURDS.	
Japan—New and magnificent combs, massive and fine	Pkt., 10c	(Cucurbita.)	
Dwarf Mixed—Finest dwarf varieties; combs as large as the taller sorts	Pkt., 10c	Orange	Pkt., 5c
Fall Mixed—The best tall varieties	Pkt., 10c	Egg-Shaped—White, very useful for nesteggs. Does not crack or decay	Pkt., 5c
COLUMBINE.		Dipper or Bottle—Useful and handsome	Pkt., 5c
(Aquilegia.)		Hercules' Club—Club-shaped. Large and long	Pkt., 5c
Chrysantha—Golden yellow. Fine	Pkt., 10c	Mixed—Seed saved from the most useful, elegant and unique varieties	Pkt., 5c
Double White—Very handsome	Pkt., 10c	GYPHOPHILA.	
Mixed—Best double and single varieties. Very fine	Pkt., 5c	Muralis—Pink. Hardy annual	Pkt., 5c
COSMOS.		Paniculata—White. Best for winter bouquets. Hardy perennial	Pkt., 5c
Hybrida Giant Mixed	Pkt., 5c	HELICHRYSUM.	
Dawn—An early-flowering strain; flowers pure white	Pkt., 5c	(Eternal Flower.)	
COWSLIP.		White—Mixed, dwarf and tall	Pkt., 5c
(Dodecatheon Meadia.)		Mixed—Dwarf and tall. All colors. Very elegant	Pkt., 5c
Choice Mixed	Pkt., 25c	HIBISCUS.	
CYPRESS VINE.		Extra Mixed	
(Ipomoea Quamoclit.)		Pkt., 5c	
White	Pkt., 5c	HOLLYHOCK.	
Scarlet	Pkt., 5c	(Althea.)	
Mixed—All colors	Pkt., 5c	Double Yellow—Choice	Pkt., 10c
DAISY.		Double White—Very large	Pkt., 10c
(Bellis Perennis.)		Double Scarlet—Superb	Pkt., 10c
Double White	Pkt., 10c	Double Choice Mixed—All colors and many shades. Very fine	Pkt., 5c
Double Mixed	Pkt., 10c	HYACINTH BEAN.	
DATURA.		(Dolichos.)	
(Trumpet Flower.)		Giganteus—Tall-growing; large purple flowers	Pkt., 5c
Double Mixed—All colors	Pkt., 5c	Lablab—Mixed	Pkt., 5c
ESCHSCHOLTZIA.		IPOMOEA.	
(California Poppy.)		Bona Nox—Large, fragrant, violet-blue flowers, opening toward evening, the name meaning good night	
California—Yellow, orange center	Pkt., 5c	Limbatia Elegantissima—Rich, purple center, margined with white	Pkt., 5c
Mandarin—The colors of the petals are orange inside, brilliant scarlet outside. Choice	Pkt., 5c	Fine Mixed—All colors	Pkt., 5c
Mixed—All colors. Very fine	Pkt., 5c	IPOMOPSIS.	
Mammoth Package California Poppy	Pkt., 10c	(Standing or Tree Cypress.)	
FEVERFEW.		Mixed	Pkt., 5c
(Matricaria Capensis.)		JERUSALEM CHERRY.	
Best Double White	Pkt., 10c	(See Solanum Capsicastrum.)	
FORGET-ME-NOT.		KAULFUSSIA.	
(Myosotis.)		Mixed—All colors	
Dissitiflora—Deep blue	Pkt., 10c	LAGURUS.	
Palustris—Light blue	Pkt., 5c	(See Hare's Tail Grass.)	
Mixed—Choice, all shades	Pkt., 10c	LANTANA.	
FOUR O'CLOCK.		Finest Hybrids—Mixed	
(Mirabilis—Marvel of Peru.)		Pkt., 5c	
Choice Mixed—Self-colored and variegated, in great variety	Pkt., 5c	LARKSPUR.	
FOX GLOVE.		(Delphinium.)	
(Digitalis.)		Dwarf Rocket Mixed	Pkt., 5c
Extra Mixed	Pkt., 5c	Tall Stock-Flowered—Mixed, Perennial	Pkt., 5c
GAILLARDIA.		Bismarck—Robust habit, stock flowered, red striped. Very fine. Perennial	Pkt., 10c
Grandiflora—Choice mixed. All colors	Pkt., 5c	Candelabrum - Formed—Stalks branching like a candelabrum. Annual	Pkt., 10c
Picta - Lorenziana—Magnificent flowers, resembling some varieties of Japanese chrysanthemums. Various colors and shades. Very desirable	Pkt., 5c	Ice—Elatum. Mixed. Perennial	Pkt., 5c
GLOBE AMARANTH.		Nudicaule—Scarlet. Perennial	Pkt., 5c
(Gomphrena.)		Formosum—Dark blue. Perennial	Pkt., 5c
Purple	Pkt., 5c	Mixed—Annuals. All colors	Pkt., 5c
White	Pkt., 5c		
Mixed—All colors	Pkt., 5c		

LIST OF CHOICE FLOWERS--Continued

LINUM.

(Scarlet Flax.)
Best Mixed—Many colors and shades Pkt., 5c

LOBELIA.

Crystal Palace Compacta—Very dwarf. Blue Pkt., 5c
Gracilis—Blue, Spreading, Fine for baskets Pkt., 5c
Alba—Pure White Pkt., 10c
Finest Mixed Pkt., 10c

LUPIN.

(Lupinus.)
Cruikshanksi—Dark blue annual. Pkt., 5c
Mixed—Best annual varieties of all colors Pkt., 5c

MARIGOLD.

(Calendula and Tagetes.)
Meteor, Calendula—Flowers striped dark and light orange. Double. Very fine Pkt., 5c
Prince of Orange, Calendula—Choice Pkt., 5c
Double Mixed, Calendula—All shades. Choice Pkt., 5c
African, Tagetes—Double mixed. Pkt., 5c

MAURANDIA.

Finest Mixed Colors Pkt., 10c

MORNING GLORY.

(Convolvulus Major and Minor.)
Blue—Tall Pkt., 5c
White—Tall Pkt., 5c
Tall Mixed—All colors Pkt., 5c
Dwarf Mixed—Convolvulus Minor. All colors Pkt., 5c
Giant Japanese Morning Glory—Flowers of immense size, with an almost endless variety of color and markings. Pkt., 5c

MUSK PLANT.

(Mimulus Moschatus.)
 Pkt., 10c.

NASTURTIUM.

(Tropaeolum.)
Tall Varieties.
 (Tropaeolum Lobbianum.)
Spitfire—Bright scarlet Pkt., 5c
Carmine Pkt., 5c
King of the Blacks Pkt., 5c
Blood Red Pkt., 5c
Golden Yellow Pkt., 5c
Lobbianum—Finest mixed Pkt., 5c
Mammoth Package Tall Mixed Varieties Pkt., 10c
Dwarf Varieties.
 (Tropaeolum Minor.)
Pearl White Pkt., 5c



MIGNONETTE.

(Reseda.)
Eoseda Odorata Grandiflora—The well-known large flowering Sweet Mignonette Pkt., 5c
Crimson-Flowered Giant—Large spikes of crimson flowers. Pkt., 5c
Parson's New White—New and valuable Pkt., 5c
New Hybrid Sperg—A strong grower, abundant bloomer. Very fragrant Pkt., 5c
Golden Queen—Very fine, new variety, with flowers of a golden hue. Highly effective. Pkt., 5c

MIMULUS.

(Monkey Flower.)
Hybridus Tigrinus—Most beautiful spotted blotched varieties. Mixed Pkt., 10c
Hybridus Tigrinus Flore Pleno—Beautiful, double-spotted varieties. Mixed Pkt., 10c

MOON FLOWER.

(Imomoea Grandiflora.)
 Pkt., 15c.

Dark Crimson Pkt., 5c
Golden King—Fine Pkt., 5c
Empress of India Pkt., 5c
Dwarf Mixed—All colors Pkt., 5c

NICOTIANA.

(Affinis.)
 Pkt., 5c.
 Pkt., 5c.

NOLANA.

PAEONY.
 (Herbacea Chinensis.)
Choice Mixed Double—Form a splendid collection Pkt., 25c

PAMPAS GRASS.

(Gynerium Argentium.)
 Pkt., 5c.

PANSY.

Azure Blue Pkt., 10c
Emperor William—Indigo; dark center Pkt., 10c
King of the Blacks—Velvety black Pkt., 10c
Mahogany Colored—One of the very best Pkt., 10c
Odier—New French blotched. Pkt., 15c
French Large Flowering—Mixed. Pkt., 10c

LIST OF CHOICE FLOWERS—Continued

- PANSY.**
Lord Beaconsfield—Purple, shading to light blue. Large and fine. Pkt., 10c
Pure Yellow Pkt., 10c
Snow Queen—Pure white Pkt., 10c
Trimardeau—The flowers of this variety are the largest of any pansy yet produced, and for variety and beauty of marking, brilliancy of color, and stability, have no superior. Pkt., 10c
Fine Mixed Pkt., 5c
- PASSION FLOWER.**
(Passiflora.)
Coerulea—Handsme blue and white flowers Pkt., 10c
Coerulea—Choice mixed Pkt., 20c
- PENTSTEMON.**
Fine Mixed—All colors. Very showy. Pkt., 5c
- PERILLA.**
(Nankinensis.)
Best Mixed Pkt., 5c
- PETUNIA.**
Double Mixed—Choice hybrids, best all colors. Pkt., 20c
Large Flowering Fringed—Mixed. Pkt., 15c
Blotched and Striped Pkt., 15c
Grandiflora—Best mixed. Large flowering. Many colors and varieties Pkt., 10c
Pure White Pkt., 5c
Fine Mixed—In great variety. Pkt., 5c
- PHLOX DRUMMONDII.**
Alba—Pure white Pkt., 10c
Black Warrior—Dark purple. Pkt., 10c
Scarlet Pkt., 10c
Yellow Pkt., 10c
Finest Mixed—Including large, flowering kinds Pkt., 5c
- PINK.**
(Dianthus.)
Double China Mixed Pkt., 5c
Double White Pkt., 10c
Double Diadem—Finest mixed. All colors Pkt., 5c
Double Imperial—Fine mixed. Pkt., 5c
Double Japan—Beautiful fringed varieties. Mixed Pkt., 5c
- POPPY.**
(Papaver.)
The Shirley—A strain of marvelous beauty, with colors ranging from pure white to rose, pink, carmine, and brilliant crimson; some are edged with white. The petals have a glossy, silk-like texture Pkt., 5c
Double Scarlet—Carnation flowered Pkt., 5c
Double White—Carnation flowered. Pkt., 5c
Double Mixed—In great variety. Very choice Pkt., 5c
- PORTULACA.**
Single Mixed Pkt., 5c
Double Mixed Pkt., 10c
- PRIMROSE, EVENING.**
(Oenothera.)
Lamarkiana—Height four feet, with gorgeous yellow flowers, three or four inches across. Pkt., 5c
Aculis Alba—Dwarf, producing large, beautiful, pearl-white flowers. Hardy perennial, prostrate habit, six inches high. Pkt., 5c
- PRIMULA SINENSIS.**
(Chinese Primrose.)
Fimbriata—Choice fringed varieties mixed Pkt., 25c
Alba—Pure White Pkt., 25c
- Fern-Leaved Choice Mixed** Pkt., 25c
Extra Mixed—In great variety. Pkt., 25c
- PYRETHRUM.**
Roseum—Dried flowers of this variety, pulverized, form Persian insect powder Pkt., 10c
Choice Mixed Pkt., 10c
- RHODANTHE.**
Extra Mixed—All colors. Pkt., 5c
- SALPIGLOSSIS.**
Finest Mixed Pkt., 5c
- SALVIA.**
(Flowering Sage.)
Salvia Splendens—Bright scarlet. Pkt., 10c
Salvia Patens—Pure blue. Pkt., 10c
Salvia—Mixed Pkt., 10c
- SCABIOSA.**
(Morning Bride.)
Finest Double Mixed Dwarf—All colors Pkt., 5c
- SCARLET FLAX.**
(See Linum.)
- SCHIZANTHUS.**
Fine Mixed Varieties—Of all colors Pkt., 5c
- SENSITIVE PLANT.**
(Mimosa.)
Tender Annual Pkt., 5c
- SMILAX.**
Pkt., 5c.
- SNAPDRAGON.**
(Antirrhinum.)
Tall Varieties Mixed Pkt., 5c
Dwarf Varieties Mixed Pkt., 5c
- SOLANUM.**
Capsicastrum—Jerusalem Cherry, or miniature orange tree. Covered with small scarlet fruit. Pkt., 10c
Fine Mixed Pkt., 15c



STOCKS.

- Double German Ten-Weeks**—Mixed. Pkt., 5c
Double Ten-Weeks—Pure White. Pkt., 10c
Emperor or Perpetual—Beautiful colors. Mixed perennial. Pkt., 15c
Brompton—Mixed, all colors. Pkt., 15c

SUNFLOWER.

- (Helianthus.)
Double Orange—Californicus. Pkt., 5c
Globosus Fistulosus—Large, deep yellow. Very double Pkt., 10c
Mammoth Russia—Largest single variety. (See also Vegetable List) Pkt., 5c

LIST OF CHOICE FLOWERS—Continued

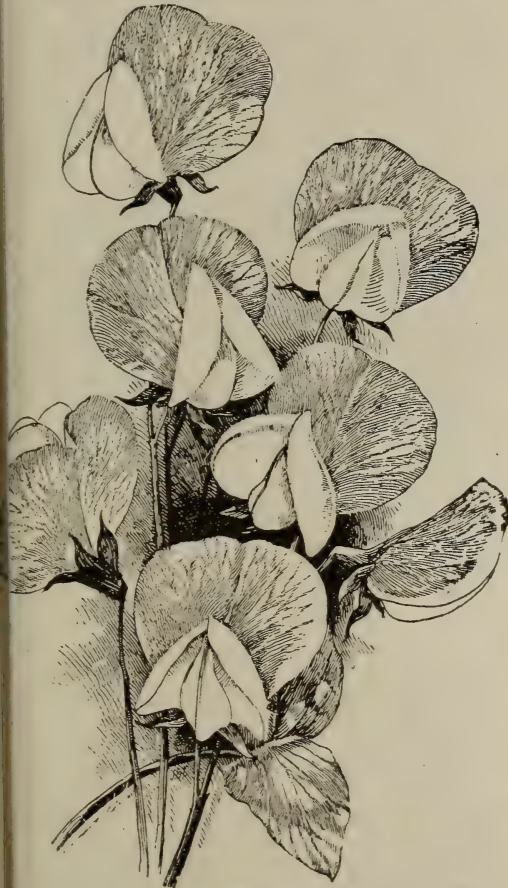
SWEET PEAS

Our list is comprised of the seventy-five best varieties.

The almost endless number of distinct varieties makes the sweet pea one of the most popular and interesting flowers cultivated. It is one of the best climbing annuals; very free flowering, with an almost endless variety of shades and markings. The flowers are produced in great abundance for a long period.

CULTURE—Plant the seed in rich, mellow soil, taking care not to cover it more than two inches. When the plants are about five inches high, furnish support for the vines to run upon. Cut the flowers freely, for, if the seed-pods are allowed to form, the plants will soon stop flowering.

We always add the new varieties to our list; if not listed here, write us.



WHITE.

Blanche Burpee—One of the best pure white varieties.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Emily Henderson—The best white in cultivation; the flowers are of the largest size and pure white. A vigorous grower and free bloomer.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Mrs. Sankey—Although this is classed as a pure white, in some lights it shows a tinge of warm shell pink which is very delicate and beautiful.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Queen of England—One of the best of the pure whites.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

VERY LIGHT PINK, ALMOST WHITE Lemon Queen—Standards very light pink and light straw, blended and shaded on white.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Modesty—White, tinted with pink.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Ramona—Blush and white striped, of good size and form.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Sensation—Large flowers, light buff, blush and white.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LIGHT PINK AND PRIMROSE

Coquette—Standard, mauve and fawn, blended on primrose; wings, primrose.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Lottie Hutchins—Primrose, striped with pink. Very beautiful.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Stella Morse—Buff, with tint of pink, showing a little deeper at the edges; standard and wings the same.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PALE YELLOW OR PRIMROSE

Mrs. Eckford—White, shaded with primrose; delicate and rich.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Queen Victoria—Light primrose yellow; very hardy and of good substance.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

SHADES OF PINK

Blushing Beauty—Light pink, with a suggestion of mauve.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Katherine Tracy—Soft, beautiful pink in color; a free bloomer; very vigorous and hardy.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Mrs. Gladstone—Large, beautiful flowers; standards, delicate soft pink.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Prima Donna—Very large, perfect flowers of a brilliant yet soft shade of pink.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Princess Beatrice—Standard, light pink, shaded with buff. Wings, bright rose pink.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Royal Robe—Bright, rose-pink flowers; very large, hooded form.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Venus—A soft, salmon-buff self-color; of large size and hooded form. While a vigorous grower, it is graceful, delicate and decidedly attractive.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

ROSE AND PINK

Apple Blossom—Standard crimson pink. Wings white, tinged and shaded with pink.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Blanche Ferry, Extra Early—The earliest sweet pea in cultivation; the large pink and white flowers are very showy; the plant is vigorous and an exceedingly free bloomer.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Crown Jewel—Violet rose and primrose. A very beautiful sort.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Eliza Eckford—Large flower. Rosy pink over white ground. Exceedingly delicate.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Isa Eckford—Delicate creamy-white and rosy-pink flowers; of beautiful form.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LIST OF CHOICE FLOWERS—Continued

Lovely—Large, beautiful flowers. A delicate shade of pink.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Royal Rose—Standard, deep rose pink; wings a lighter shade of the same color. One of the largest and best of the pink sorts.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

ORANGE AND PINK

Aurora—Striped and flaked with delicate, orange-salmon pink over white ground. Very brilliant and beautiful.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Lady Mary Curry—Crimson orange pink, very delicate and beautiful.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Lady Penzance—Orange pink, showing veins of orange rose.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Mrs. Joseph Chamberlain—White, striped with bright rose carmine. Very distinct and striking.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Orange Prince—Standards, pink suffused with orange; wings, bright lake pink. Very distinct in color.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Oriental—Deep orange pink, of good substance, very large and finely formed.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LAVENDER AND MAUVE

Butterfly—White, tinted with lilac; very delicate and beautiful.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Captain Clark—Standard, white, shaded lightly with crimson. Wings, white, shaded with lavender.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Captivation—Standard, magenta. Wings, same, with a suggestion of purple; almost self-colored. This is a distinct shade in sweet peas.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Countess of Radnor—Self-colored in a very distinct and beautiful shade of lavender.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Dorothy Tennant—Rose purple, self-colored. Large size, very distinct and beautiful.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Emily Eckford—Rose purple, suffused with blue.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Gray Friar—Heliotrope, marbled on white. Large size, hooded form.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Juanita—Large, beautiful flowers. Pure white, striped with a delicate shade of lavender.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Lady Nina Balfour—Standard mauve, wings lavender. Large and finely formed.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Lottie Eckford—Standard, a delicate shade of magenta blue; wings, shaded lavender, deepening into violet at edge.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Maid of Honor—Standard, white, shaded with lilac. Wings, white, shaded with lavender.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

BRIGHT RED

America—White, nearly covered with splashes, stripes and dots of bright carmine. Very brilliant.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Cardinal—Deep, rich, carmine-red flowers of robust habit, and one of the brightest reds in cultivation.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Firefly—An intense crimson scarlet, of large open and expanded form. One of the best bright reds yet offered, and its fiery coloring makes it a most desirable bouquet variety.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Ignea—Bright red. Practically self-colored, though wings are more crimson in well-matured blossoms.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Mars—Bright red, self-colored. Rather above medium size. Hooded form.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Salopian—Flowers are of grand size and well expanded form. Standards quite broad, of good substance, slightly pointed, with the upper edges well recurved. Coloring is a vivid red. The wings are large, slightly recurved, deep red, tinged with rose.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Sunproof—Color intense fiery red; one of the richest-colored sorts yet introduced. The flowers are faultless in form and of exceptionally good substance.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SCARLET AND CRIMSON

Fashion—Rose-magenta, self-colored. A distinct shade.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Gaiety—Light magenta rose striped on white. The color turns pure magenta with age.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Her Majesty—Bright rose crimson. Large size, hooded form. Very vigorous.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Miss Hunt—Standard, scarlet crimson. Wings crimson. Pink showing views of deeper crimson.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Prince Edward of York—Bright scarlet and crimson.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Queen of the Isles—White ground, distinctly striped and splashed with carmine and bright scarlet.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Red and White Striped—Large flowers of good substance.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Splendor—A large finely-shaped flower; color coppery crimson suffused with rose.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

BLUE AND PURPLE

Black—Standards, deep maroon; wings deep blue, medium size; good substance, black seed.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Boreaton—Dark maroon, self-colored.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Captain of the Blues—One of the largest of the blue-flowered sorts. Standards, bright purple blue; wings a little lighter shade of blue.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Duke of Clarence—Very deep rosy claret. One of the largest flowering varieties, and the very best of the dark colors.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Indigo King—A large, fine-shaped flower, and one of the darkest, deep maroon standards and indigo-blue wings.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Monarch—Standard dark violet and purple, wings violet. A very dark variety.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Navy Blue—Very large and of fine form. An exceedingly rich deep blue.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LIST OF CHOICE FLOWERS—Continued

Princess of Wales—Standard purple, wings blue, both striped on white.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Senator—Standard maroon and violet, wings violet and indigo, both striped on white.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Shahzada—Beautiful rich flowers. Standards, deep maroon; wings, indigo blue.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Stanley—A beautiful, self-colored flower of deep maroon.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Waverly—Pure purple.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Eckford's Hybrids Mixed—This mixture is made up of Eckford's large flowering sorts.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

Choice Mixed—A fine mixture of the best varieties, new and old.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

Mammoth Package Mixed Sweet Peas—Many of the new sorts are in this mixture. The colors are rightly proportioned to give the most brilliant show possible in the garden.

Pkt., 10c.

SPECIAL NOTICE—One package each of our 75 named varieties of sweet peas, amounting to \$3.75, mailed to any address, postpaid, on receipt of \$2.50

Any 50 varieties, amounting to \$2.50, postpaid, to any address.....\$1.75

Late or Winter Varieties

Pink Cupid—Plants very dwarf, and much more vigorous than White Cupid. The flowers are of the same color as those of Blanche Ferry, and somewhat larger.

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

White Cupid—A genuine dwarf; plant only a few inches high; bloom of good form and substance and pure white. Originated in California. Seeds white.

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

All our Roses are grown on their own roots and are far superior to budded plants.

Culture—Remove all decayed branches and leaves and at least half the previous season's growth should be cut away early each spring. Spade around the roots plenty of well-rotted manure and give surface a liberal top dressing of bone dust.

Red

- Liberty (H. S.)
- Papa Gontier (H. T.)
- Gen. Jacqueminot (H. P.)
- Meteor (C.)
- Reine Marie Henriette (C.)
- Prince Camille de Rohm (H. P.)
- Gen. MacArthur (H. T.)
- Gruss-au-Teplitz (H. T.)
- Jubilee (H. P.)
- Wooten (C.)
- Philadelphia Rambler (C.)
- Helen Gould (H. T.)
- Urlich Brumer (H. P.)
- Richmond (H. T.)
- Crimson Rambler (C.)

Pink

- Bridesmaid (T.)
- Killarney (H. T.)
- Cecil Brunner (H. T.)

SWEET WILLIAM

(Dianthus Barbatus)

Single Mixed—Very beautiful... Pkt., 5c

Double Mixed..... Pkt., 10c

VERBENA

White Niveni—Sweet scented.... Pkt., 5c

Scarlet Defiance—Very brilliant... Pkt., 10c

Montana—Hardy variety, producing brilliant rose and lilac flowers..... Pkt., 5c

Fine Mixed—Brilliant colors.... Pkt., 5c

Hybrida—Saved from one of the finest collections in the world... Pkt., 15c

WALL FLOWER

(Cheiranthus Cheri)

Finest Double Mixed..... Pkt., 10c

WHITLAVIA

Mixed..... Pkt., 5c

WISTARIA

(Glycine Sinensis)

Pkt., 20c.

XERANTHEMUM

Double Mixed—Choice colors..... Pkt., 10c



ZINNIA

Double White..... Pkt., 5c

Deep Orange Yellow..... Pkt., 5c

Extra Double Mixed..... Pkt., 5c

ROSES

- Malmaison (C.)
- Mad. Caroline Testout (H. T.)
- Paul Neron (H. P.)
- Burbank (H. T.)
- La France (H. T.)
- Cho (H. P.)
- Glorie de Dijon (C.)
- Magna Charta (H. P.)
- Catherine Mermett (T.)
- Maman Cochet (H. T.)
- La France (C.)
- Hermosa (T.)
- Mrs. Mawley (T.)

White

- Bride (T.)
- Kaiserin Aug. Victoria (C.)
- Cherokee (C.)
- Lamarque (C.)
- Kaiserin Aug. Victoria (H. T.)
- Bessie Brown (H. T.)

Yellow

- Gold of Opper (C.)
- Marachal Neil (C.)
- Mamam Cochet (H. T.)
- Croquette de Lyon (T.)
- Sunset (T.)
- Etoile de Lyon (T.)
- Wm. Allen Richardson (C.)

ROSES—Continued

H. P.—Hybrid Perpetual—These are the hardest of all roses; many will stand the coldest sections; vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

T.—Tea—One of the best classes of roses and truly ever-blooming. Many of these are the most beautiful and sweetly scented; they are hardy in this section, frequently wintering without any protection, although during the coldest weather they should be protected with a covering of fir boughs, straw or burlap.

H. T.—Hybrid Tea—These, as a rule, are as free-flowering and as constant bloomers as the tea sorts. They are harder than

the teas, but, as a rule, not so hardy as the H. P.'s. Many of this class, however, are practically hardy and a few very hardy.

C.—Climbers.**PRICES.**

Choice, two-year-old stock, 35c each, 6 for \$1.75, 12 for \$3.00.

Selected, three-year-old stock, 50c each, 6 for \$2.50, 12 for \$4.00.

One-year-old, mailing size, 15c each; \$1.25 per dozen, postpaid, from April 1, 1910.

Parties who expect to buy roses by the hundred will do well to write us for Special Prices.

R. P. J. Poultry Books

"SUCCESS WITH POULTRY" is a book of 96 pages, 9x12 inches in size, that contains, we believe, MORE and BETTER practical, reliable information on the subject of **POULTRY FOR PROFIT** than any other book published. Gives the cream of established facts. Written and compiled by the editor of the "Reliable Poultry Journal," who has given seven years of careful study to the poultry business. **Price, \$1.00.**

"ARTIFICIAL INCUBATING AND BROODING" is a most up-to-date and most practical work on this important subject. It is contributed to by the leading authorities of this country. It has 140 pages, each 12x9 inches, with over 100 illustrations, including eight full-page copyrighted designs of modern brooder houses, laying houses and incubator cellars. Complete instructions on the use and abuse of incubators. How to start right and go right in raising chickens by artificial means. **Price, 50 cents.**

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"DUCKS AND GEESE" tells how the most successful breeders of the day manage their enormous flocks, and derive handsome profits; gives detailed instructions for breeding, rearing and feeding, and presents the best and most reliable information relating to details of management and profits of ducks and geese. It is fully illustrated with up-to-date cuts of the big farms and their stock. **Price, 50 cents.**

"TURKEYS, Their Care and Management"—The most complete book written upon turkey culture. It treats of every branch of the subject. Among the prominent breeders who have spent time and effort in preparing articles for this book are Mrs. Mackey, Mrs. Jones, Mrs. Hargrave, Mrs. Singleton, S. B. Johnson, J. F. Crangle, W. J. Bell, B. F. Ulrey, B. F. Bishop, W. A. Moon, Ed. Isley, J. A. Leland and S. T. Jones. The colored reproduction of an oil painting by Sewell, aided by numerous half-tones, makes this the best turkey book published. **Price, 50 cents.**

"POULTRY HOUSES AND FIXTURES"—Consists of 32 large pages, 9x12 inches, and contains the latest designs of practical poultry buildings for the city lot, the village acre, and the farm, also complete and convenient houses for the fancier and plans for building extensive poultry farms. **Price, 25 cents.**

"THE BANTAM FOWL"—The first complete and full-illustrated Bantam book published in this country. The editor, T. F. McGrew, judge and breeder, spent months collecting and writing the matter, and over sixty copyrighted illustrations were made expressly for this book. Every person interested in Bantams, as pets or for profit, will want a copy. **Price, 50 cents.**

"RELIABLE POULTRY REMEDIES"—Consists of 65 pages, each 5x6 inches; points out the causes, describes the symptoms and gives tried remedies for roup, colds, cholera, canker, indigestion, constipation, dysentery, congestion of liver, gapes, chicken-pox, black rot, crop-bound, scaly legs, bumble-foot and other diseases of fowls. Contains full instructions on care of poultry to prevent diseases. **Price, 25 cents.**

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ANY OF THE ABOVE MAILED FREE ON RECEIPT OF PRICE.



POULTRY SUPPLIES



All Persons Interested in Poultry Keeping Will Find Many Things of Great Value to Them in the Following Pages.

Fire-Proofed Insurable, Standard Cyphers Incubators and Brooders for 1910.

ANNOUNCEMENT EXTRAORDINARY

Poultry-keepers, the world over, will be interested in knowing that all Standard Cyphers Incubators for 1910 are built in compliance with detailed specifications adopted by the National Board of Fire Underwriters in the form of "Rules and Requirements," and that every 1910 pattern Incubator and Brooder manufactured by Cyphers Incubator Company, Buffalo, N. Y., will be regularly inspected by the Underwriters Laboratories (Inc.), under the direction of the National Board of Fire Underwriters and will bear the Official Label of the Fire Insurance Underwriters.

AN EVENT OF SUPREME IMPORTANCE

Has occurred in the poultry world—an event that is certain to result immediately in great benefit to the users of incubators and brooders and to all branches of the poultry industry. Expert mechanical and electrical engineers, working under the direction of the Committee of Consulting Engineers of the National Board of Fire Underwriters, after a long period of investigation, finally completed a set of detailed specifications covering the construction of insurable incubators and brooders. These specifications were then adopted by the National Board of Fire Underwriters and have been published in booklet form, bearing this title:

"Rules and Requirements of the National Board of Fire Underwriters for the Construction and Installation of Incubators and Brooders as Recommended by Its Committee of Consulting Engineers. Edition of 1908."

THE NATIONAL BOARD OF FIRE UNDERWRITERS

is an organization that represents practically all the Standard fire insurance companies now doing business in the United States and Canada. The Underwriters Laboratories (Inc.), with headquarters at Chicago and branch offices in eighteen of the principal cities of the United States, are conducted under the direction of the National Board. The Directors of the Underwriters Laboratories are chosen from the officers of the National Board of Fire Underwriters, the National Fire Protection Association, the Underwriters National Electric Association and the leading fire insurance companies.

THE RULES AND REQUIREMENTS

of the National Board of Fire Underwriters covering the construction of Incubators and Brooders are strict and the method of enforcing same is exacting; nevertheless, they are right and reasonable. These Rules and Requirements were adopted only after months of consideration by the mechanical and electrical engineers who proceeded on the basis that nothing should be required of the manufacturers that would injure or decrease the commercial value of the articles to be approved, yet the public may expect protests—or ridicule, perhaps!—from incubator and brooder manufacturers who are unwilling or unable to comply with the Fire Insurance Underwriters' Requirements. On the other hand, it is certain that property owners who desire to escape fire losses from the use of unsafe incubators and brooders will welcome this new departure on the part of fire insurance companies because their interests and those of the insurance companies are identical.

CYPHERS INCUBATOR COMPANY

The First in the World to Build Incubators and Brooders That Are Approved by Expert Mechanical and Electrical Engineers, Acting Under the Direction of the National Board of Fire Underwriters.

CYPHERS INCUBATOR COMPANY

Is the first in the world to build Incubators and Brooders that meet the requirements of the associated fire insurance interests and is the first company in the history of the poultry business to be granted labels by the fire underwriters, covering inspected and approved Incubators and Brooders that have satisfactorily stood the test and met the requirements of their expert engineers. Label No. 1 for "Inspected Incubator," and Label No. 2 for "Inspected Brooder," have been issued to Cyphers Incubator Company. No two labels issued for Incubators and no two labels issued for Brooders are to have the same number.

This means that every Incubator and every Brooder that bears the fire underwriters' official label must be one that has been inspected and approved by representatives of the Underwriters Laboratories (Inc.)

CYPHERS INCUBATORS

Since first introduced have borne an unequalled reputation so far as the fire risk is concerned, as established by the affidavits of agents and salesmen and as confirmed by the records of the insurance companies; therefore, the standard type of incubator manufactured by this company fared well at the hands of the Mechanical and Consulting Engineers, as may be seen by

POULTRY SUPPLIES—Continued

reference to the Rules and Requirements recommended by them. Nevertheless, they wished to make doubly sure of safety in the use of even the Standard Cyphers, hence saw fit to require several minor changes in the location and insulation of the heater, and to require the adoption of a method of fire-proofing the heater end of the Standard Cyphers in such manner as would accomplish the following important results:

No. 1. So that fire from the oil flame (or lamp) "cannot communicate to the incubator case."

No. 2. "So that oil cannot drip from the lamp, nor fire communicate therefrom to the floor of the room in which the incubator is operated."

No. 3. So that the lamp "cannot be filled without removal from the incubator" or lamp support.

No. 4. So that the lamp "cannot be accidentally jarred or dislodged" from the support.

No. 5. So that the lamp "will at all times be held in proper position and alignment" with the heat flue to heater.

No. 6. So that the lamp can be "readily removed and replaced by the operator without spilling of oil."

CYPHERS INCUBATORS

Have Been "Standard" During the Last Ten Years

Imitation proves this assertion! Yet the fact remains that the Standard Cyphers Incubators are protected by five different United States patents, one of which, issued in 1906, grants fifteen separate claims covering exclusive features found only in these machines. While you are about it, buy the best—the Standard Hatcher of the World—then you will know you are right, so far as owning a strictly first-class incubator is concerned, and it should be remembered when you come to the question of success or failure in raising chickens by artificial means, that the incubator you use is "the neck of the bottle."

The Following Three Indisputable Facts, Together with the insurmountable feature of the Standard Cyphers, and the manufacturer's unequalled warrant of superiority, should enable all intending purchasers of a high-grade incubator to decide, without delay, which make of machine to buy:

First—Standard Cyphers Incubators are in successful use on more large practical poultry plants than all other makes of Incubators combined.

Second—Standard Cyphers Incubators are in successful use by more well-known American poultrymen than all other makes of Incubators combined.

Third—Standard Cyphers Incubators are in successful use on more government experimental stations in the United States, Canada and other English-speaking countries than all other makes of Incubators combined.

WARRANT OF SUPERIORITY

The patented, exclusive features of the genuine Cyphers Incubators place us in a position to positively warrant and guarantee all Standard Cyphers Patent-Diaphragm, Non-Moisture, Self-Ventilating and Self-Regulating Incubators manufactured by us and sold under registered trademark, either by this company or its authorized agents, as follows:

First—To require no supplied moisture,

under normal conditions, thus solving and disposing of the troublesome "moisture question."

Second—To be self-ventilating, the air in the egg chamber remaining pure at all times by its own gentle but positive action.

Third—To be self-regulating, being equipped with the most sensitive and durable regulator thus far invented.

Fourth—To be so constructed that the temperature in the egg chamber is more equable than in any other incubator.

Fifth—To be precisely as represented in construction, materials and workmanship, and, if given reasonable care, to last ten years without repairs.

Sixth—To be easy to set up and positively automatic in operation (except as to trimming the wick, filling the lamp and turning the eggs), and to operate with less labor and expense than any other make of incubator.

Seventh—To be in all essentials the simplest and easiest to operate and control, requiring less attention than any other make or style of incubator.

Eighth—To produce larger, stronger and healthier chicks and ducklings than any other style or make of incubator.

Ninth—That when it is run in competition with any incubator of a different make, it shall, in three or more hatches, bring out a larger average percentage of the fertile eggs in good, healthy chicks and ducklings than does its competitor.

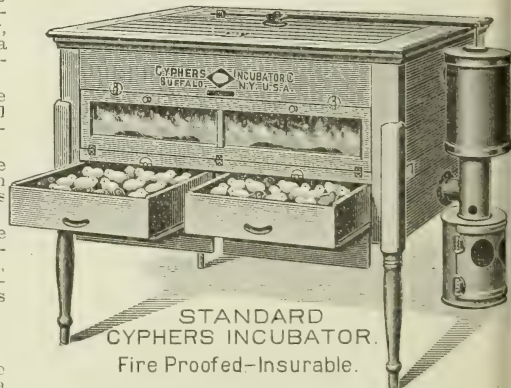
Tenth—That each and every Standard Cyphers Incubator we send out will do satisfactory work in the hands of the purchaser, provided he will give it a fair trial, or it can be returned to us within 90 days, in good repair, less reasonable wear, and the purchase price will be refunded.

Signed by

CYPHERS INCUBATOR CO.,

Grant M. Curtis, Pres.

Buffalo, N. Y., Nov. 1, 1908.

Cyphers New Low-Priced
Incubators

No. 2 Standard Cyphers Incubator, 1909 pattern, 244-egg capacity; price \$34.00. Fire-proofed, non-moisture, self-regulating, self-ventilating, equipped with patented Nursery Drawers and covered by Manufacturers' Guaranty of "Satisfaction or Your Money Back."

POULTRY SUPPLIES—Continued

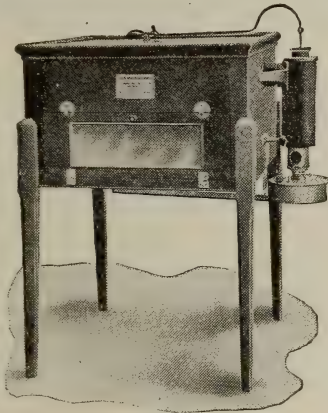
The Standard CYPHERS Incubators, 1910 Pattern, embody several new and important improvements which, while they do not in any way affect the working principle of the machine, add greatly to the ease of operation and to its durability.

We sell the genuine Cyphers Incubators at the following prices:

No. 0.	70 Egg.....	\$17.00
No. 1.	144 Egg.....	24.00
No. 2.	244 Egg.....	34.00
No. 3.	390 Egg.....	42.00

These machines are sold under a positive guarantee.

Farm Economy



These incubators are well built and practical machines and will under ordinary favorable conditions hatch a good percentage of eggs entrusted to them.

Farm Economy. Capacity, 110 eggs.
Price\$15.00

FOR THE SEASON OF 1910.

Cyphers Incubator Company has designed a line of improved Brooders that embody the most advanced ideas known to date in brooder construction. They are built to do the work required of them, cost price being treated as of secondary importance. These brooders are based on many years of practical experience and not only are fire-proofed and insurable, but are claimed by the manufacturers to be the best designed, the most durable, the most convenient and the most efficient indoor and outdoor individual brooding devices thus far invented and placed on the market. Only a brief description of each device can be presented in this catalog.

Cyphers Style A 1910 Outdoor Brooder

(Formerly Known as Storm King)

Fire-Proofed--Insurable

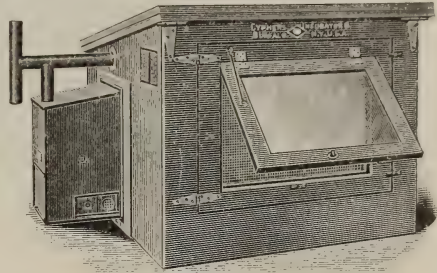


Fig. 3.—Equipped with Cyphers Standard Adaptable Hover, complete. Is self-regulating and self-ventilating. Built throughout of seven-eighths inch thick lumber, including removable floor. Has double door for cleaning and ventilation, single glass window, 12x18 inches, etc., and bears Fire Underwriters' "Inspected Brooder" label.

This brooder is better made than its predecessor. Materials that are more costly and more durable are used in its construction. It is built of seven-eighths inch thick lumber throughout, including the floor. It is equipped with the Cypress Standard Adaptable Hover Complete, is fire-proofed and bears the Fire Underwriters' inspection label. It employs top heat exclusively, giving the chicks free use of entire space under hover. It is self-regulating and self-ventilating. It has a double door for convenience in cleaning and for supplying summer ventilation, with heavy wire mesh protection against rats, cats, etc., and has a large single glass window, 12x18 inches, which admits abundant light. Size: Floor space, 32x32 inches; height, 32 inches in front, 24 inches at rear. Capacity (normal), 75 newly-hatched chicks; hover space for twice that number. Shipped knock-down at low freight rates.

NOTICE—This brooder, like all the other Cyphers Company 1909 Styles, can be used indoors as well as outdoors with equal success and safety. REMEMBER that every Cyphers 1910 Style Brooder bears the Fire Underwriters' "Inspected Brooder" label; therefore, buildings in which they are operated are insurable.

POULTRY SUPPLIES—Continued.

Cyphers Style B 1910 Outdoor Brooder

(Formerly Known As Style A)

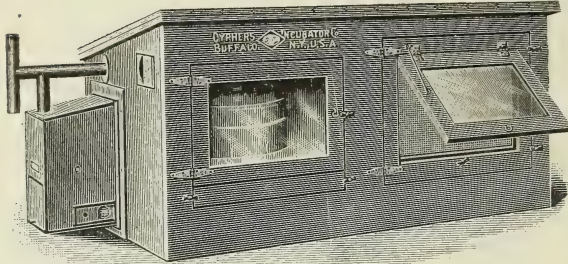
Fire-Proofed--Insurable

Fig. 4.—Three apartment, Combination Outdoor Brooder and Colony Roosting Coop. Self-regulating and self-ventilating. Most popular make of brooder designed and built to date for use of poultry raisers under widely varying conditions. Sold by the thousands during the last twelve years. In successful use in every civilized country in the world—for proof see Main Catalogue, 1910 Edition; free for the asking. Is equipped with Cyphers Standard Adaptable Hover and bears Fire Underwriters' "Inspected Brooder" label.

The most popular "foster mother" made and sold in any country at any price. Is equipped with Standard Cyphers Fire-proofed Adaptable Hover Complete, and bears the Fire Underwriters' "Inspected Brooder" label. Possesses all the valuable features mentioned above as found in this year's Cyphers Style A, and is twice as large. The Cyphers Style B. 1910 Outdoor Brooder is a three-apartment brooder and for this reason is recommended specially by the manufacturers to all poultry raisers who can afford the price. The apartment under the hover is the warmest at all times when brooder is in operation; the apartment in which the hover is located is next warmest, then there is the cool exercising room, with large glass window and double door, in which apartment the chicks obtain the necessary exercise during stormy weather and become hardened gradually before they are allowed freedom out of doors during the cold days of early spring. Size of Style B 1910 Cyphers Three-apartment Colony Brooder, 32x62 inches; height, same as Style A. Capacity (normal), 100 newly-hatched chicks; can accommodate 150 chicks. Shipped knock-down at low freight rates.

CYPHERS COMPANY CUSTOMERS who buy the Style A Two-Apartment Brooder (above described and formerly known as

Storm King), are advised to construct a home-made exercising apartment for use of the chicks during inclement weather. An exercising apartment is invaluable when chicks have to be kept confined in an out-

door brooder several days at a time, unless the brooder itself can be moved indoors, in which case the room or enclosure in which the brooder is located will furnish exercising space for the chicks. Fire-proofed and insurable Brooders can be operated with safety near valuable buildings that are covered by fire insurance policies, or can be moved indoors and used there, whereas if non-insurable Brooding devices are used in this manner, they will invalidate the property owner's fire insurance policy in the event of a loss by fire.

Cyphers Style C 1910 Outdoor Brooder**Fire-Proofed--Insurable**

Fig. 5.—Same in all respects as the popular Style B 1910 Brooder (formerly known as Style A), except that hover apartment has double walls, with dead-air space between, and window to hover apartment has double glass with air space between. Recommended for special use in more northern latitudes and very early in season for extra valuable chicks. Is equipped with Cyphers Standard Adaptable Hover and bears Fire Underwriters' "Inspected Brooder" label.

This self-regulating, self-ventilating, three-apartment outdoor colony brooder has all the good points of the two brooders herein-before described and one more—the hover apartment is double-walled and paper-lined, with a dead-air space between the walls, and the hover apartment window is fitted with double glass with an air space between. This three-apartment brooder is of the same dimensions as the Style B (formerly known as Style A) and is double insulated for use in the more northern latitudes and during the wintry weather of February and March by poultry keepers who wish to entrust extra valuable chicks to the care of an individual outdoor brooder. Expense has not been spared on this brooder in building it to meet the demands of a comparatively small but important class of trade. On the other hand, the manufacturers recommend the Style B 1910 Brooder (formerly Style A) as their most popular make of outdoor brooder for general use and state frankly that customers who may desire to do so can themselves double line the lower priced Style B brooder, in the event that it is to be used under the severe conditions that are specially provided for in the more expensive construction of the Style C double-walled and double-glass brooder. It should be noted that all three of Cyphers Company's 1910 Style Outdoor Brooders are built on the colony house plan, with the result that the hover in each size can be removed in a minute's time and the brooder used to advantage as a colony house or cool roosting coop. Style C is also shipped knock-down at low freight rates.

POULTRY SUPPLIES—Continued

**Cyphers Style D 1910
Brooder**

Fire-Proofed--Insurable

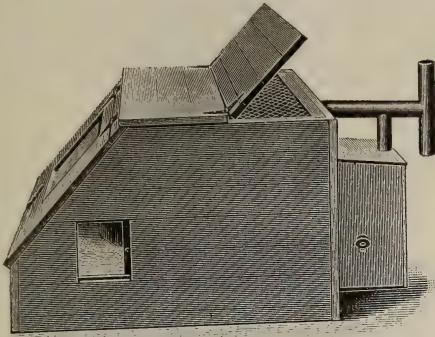


Fig. 6.—Same in all respects as Cyphers Style A 1910 Outdoor Brooder, except that upper half is designed specially for indoor use. Is equipped with Cyphers Standard Adaptable Hover and bears Fire Underwriters' "Inspected Brooder" label.

THIS FIRE-PROOFED and insurable INDOOR BROODER is practically the same in all respects as the Style A Outdoor type described on page 41, except that the upper half is more convenient in shape and construction for indoor use. The large glass window (see Fig. 6) is put in on a slant

facing the sunlight, or a window of the apartment in which the brooder is to be used, and part of the top is a cover or lid, giving access to the rear of the case in caring for the chicks and regulating the heat under the hover. Immediately beneath this hinged lid is located a wire-covered frame that slides back and forth under the permanent part of top of case. This wired and rat-proof frame is for night ventilation and enables the attendant to control the chicks confined in the brooder while caring for them. This type of brooder, equipped complete with the Standard Cyphers Adaptable Hover, is for use in any kind of building where chicks may be kept, including rooms in dwellings, or suitable places in barns, sheds or ordinary poultry houses. They are fire-proofed, bear the Fire Underwriters' "Inspected Brooder" label, are convenient in use and furnish a comfortable lodging place for early hatched chicks direct from the incubator,

The Style D 1910 Cyphers Indoor Brooder should be used in rooms or enclosures in which the chicks can exercise freely during the day time, or in poultry houses equipped with pens to be used by the chicks as runways. Interested persons should bear in mind first to last that growing chicks, in order to do well, must have abundant light, pure air, proper food and plenty of exercise. Size and capacity of Style D 1910 Indoor Brooder are the same as the Style A—given on page 41. Shipped knock-down at low freight rates.

PRICE LIST OF 1910 BROODERS

(Patents Applied For.)

FIRE-PROOFED—INSURABLE.

Cyphers Adaptable Hover, self-regulating, self-ventilating, for use in home-made brooders, colony houses, etc., etc.; may be moved from one brooder or coop to another at will; complete with Standard Syphers Regulator, Tested Brooder Thermometer and bearing "Inspected Brooder" label, safely crated\$10.50

Cyphers Style A 1910 Outdoor (formerly known as Storm King), self-regulating, self-ventilating, two-apartment combination brooder and colony roosting coop, equipped with Adaptable Hover complete and bearing "Inspected Brooder" label\$14.50

Cyphers Style B 1910 Outdoor (formerly known as Style A), self-regulating, self-

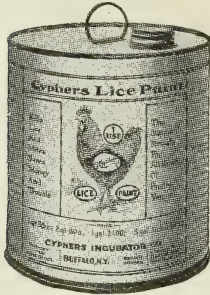
ventilating, three-apartment combination brooder and colony roosting coop, equipped with Adaptable Hover complete and bearing "Inspected Brooder" label.....\$18.50

Cyphers Style C 1910 Outdoor, self-regulating, self-ventilating, three-apartment combination brooder and colony roosting coop, with double-wall and double-glass insulation, equipped with Adaptable Hover complete and bearing "Inspected Brooder" label\$21.00

Cyphers Style D 1910 Indoor, self-regulating brooder, equipped with Adaptable Hover complete and bearing "Inspected Brooder" label\$13.50

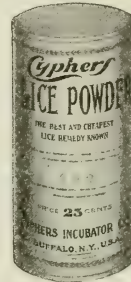
POULTRY SUPPLIES--Continued

Cyphers Lice Paint



Quart cans, each\$0.35
 Half gallon cans, each60
 Gallon cans, each 1.00

Cyphers Lice Powder



5 ounce package, each\$0.10
 15 ounce package, each25
 48 ounce package, each50
 100 ounce package each 1.00

Cyphers Chick Food, Laying Food, Etc.

Having made arrangements with Cyphers Incubator Company, we will handle nothing but their well-known Poultry Food, which we buy by the carload and which we can offer at Coast prices. Send for samples of their Celebrated Chick Feed.

Cyphers Chick Feed, per lb., 5 cents;
 in 100-lb. sealed bags, per 100 lbs...\$3.50
 Cyphers Forcing Food, per lb., 3 cents;
 in 100-lb. sealed bags, per 100 lbs.. 3.00
 Cyphers Laying Food, per lb., 3 cents;
 in 100-lb. sealed bags, per 100 lbs.. 3.00
 Cyphers Scratching Food, per lb., 3 cents;
 in 100-lb. sealed bags, per 100 lbs. 2.50
 Cyphers Shredded Alfalfa Meal, per lb., 5 cents; per 100 lbs. 4.00
 Cyphers Nodi Charcoal, in 2-lb. cartons, 15 cents each; in 50-lb. bags, each.. 2.00
 Comes in three sizes.

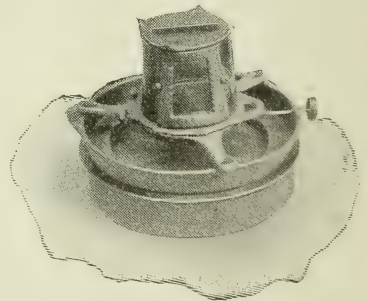
Cyphers Full Nest-Egg Food



12 ounce package, each\$0.30
 25 pound pail, each 2.50

The Cyphers Safety Brooder Stoves

These stoves positively have no equals. We have them manufactured in lots of three thousands, hence can offer them at very low prices, quality and weight of materials considered. No other brooder stove on the market has as large a water-jacket or holds as much oil. The water-jacket on the Cyphers Safety Brooder Stove holds fully a quart of water, and extends out over



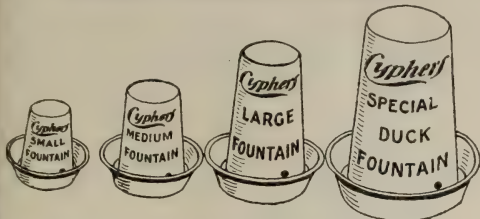
the entire surface of the oil bowl, thus placing a sheet of cold water an inch to an inch and a half in thickness between the oil bowl and the flame jets. By this arrangement all danger of the generation of explosive gases, arising from the top of the lamp or the burner becoming heated, is removed, and we have a brooder stove that can be relied on. We sell hundreds of these stoves each year to persons who wish to build home-made brooders. We strongly advise against anybody using a common lamp in a brooder. The Cyphers Brooder Stove furnishes twice the heat of an ordinary brooder lamp, and lamps are far from being safe. Cheap lamps are equipped with cheap burners, which gum up, smoke, and thus endanger the chicks.

These stoves are used in all the Cyphers brooders.

Price each, \$1.75.

POULTRY SUPPLIES—Continued

Cyphers Drinking Fountains

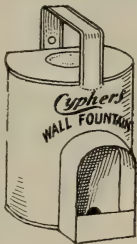


The Cyphers Galvanized Iron Drinking Fountains embody every good feature of a down-to-date drinking fountain, and are believed to be the best in use. They have done much to supplant the old-style earthenware fountains, which could not be thoroughly cleaned and purified. A fountain that cannot be easily and readily cleaned out, and in which water soon becomes sour, is highly objectionable. A fountain that will burst if the water in it freezes is also an annoyance and a source of loss. The fountains shown herewith are easily filled, easily cleaned, and kept clean. The interior of these fountains can, after being scalded, be exposed to the sun, and thus sweetened and kept wholesome. If placed in the shade in summertime, the water will keep very nearly as cool as in an earthen vessel. They are much lighter than the earthenware fountains, and a dozen can be put in a compact and cheap package for shipment.

PRICES.

Small, each, 25c. Medium, each, 40c.
Large, each, 50c.

CYHERS WALL FOUNTAINS



These fountains are something new and extra serviceable in the way of poultry fountains. One side of the back is flattened so that it can be hung on the wall of a building, or against an upright post or board at any height. A galvanized-iron hood projects over the water trough and protects the water from becoming soiled.

These fountains are made of the best galvanized iron and guaranteed to last many years with proper treatment. We recommend them as first class in every particular. They are made in two sizes.

Prices of Cyphers Wall Fountains

1-gal. size, each m. \$0.75
2-gal. size, each 1.00

CYPHERS FOOD AND WATER HOLDERS---Patented

This undoubtedly is the best device of the kind on the market. They are made in one, two and three gallon sizes, and are recommended both as food and water dishes. The tops and bottoms of these holders are separable by placing the palm of the hand on top of the upright post, slipping the fingers under the iron brace that is fastened to the upper metal pan, then pressing downward, causing the wires to separate, thus releasing the lower pan.

These wires prevent the chicks or fowls from getting into the pans and soiling the food or water.

Where these holders are used, a saving of 15 to 25 per cent may be counted on in the soft food used. Where food of this kind is thrown on the ground or upon boards, there is considerable waste, and this waste should be avoided. It is clear loss, and every bit of it comes directly out of the profits.

Prices: 1-gal. size, 75c; 2-gal., \$1.00; 3-gal., \$1.25.



Cyphers Dry-Food Hopper is a practical labor and food-saving device for feeding dry grain food, either whole or ground. Its use reduces the amount of labor on the poultry farm to a minimum. These hoppers are well made of heavy galvanized iron, are practically indestructible and will last a lifetime with ordinary usage.

Price of Cyphers Dry-Food Hopper, \$1.00.

CYPHERS GRIT AND SHELL BOX

Necessary on every well-organized Poultry Plant.



Cyphers Sanitary Grit and Shell Boxes work a material saving in grit, oyster shell, ground bone, charcoal or poultry foods. They are thoroughly practical self-feeding boxes, well made out of heavy galvanized iron and are practically indestructible. This style of box is made with three compartments— for grit, oyster shell and charcoal—but where a small flock is kept may be made to serve the purpose of a dry-food hopper.

Price of Cyphers Sanitary Grit and Shell Box, each 75c.



POULTRY SUPPLIES—Continued

Darling's High Protein Beef Scraps

The Standard Meat Food for Poultry of All Ages.

Prices, per pound\$0.05
 50 pound sack for 2.50
 100 pound sack for 4.00

International Poultry and Stock Food

25c and 50c per Package. Pails, \$3.50 each

Dairy Association Co's.

Kow Kure, at 50c and \$1.00 per can.
 Garget Cure, at 50c per package.
 Horse Comfort, at 25c and 50c per package.
 Bag Balm, at 50c per package.

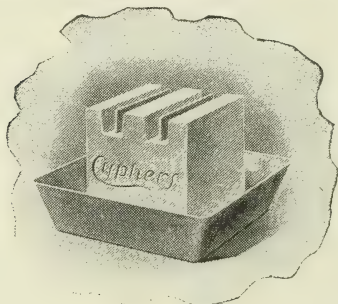
Ovinaphthol Nest Eggs



LICE DESTROYER AND NEST EGG COMBINED.

Prices: Each, 10c; per dozen, 90c.

Cyphers Pure Sulphur Fumigating Candles



Prices of Candles—Complete with tin dish, each 15c; if postpaid, 25c.

Extra Parts and Supplies For Incubators and Brooders

CYPHERS INCUBATOR TRAYS

No. 0, 60c; No. 1, \$1.00; No. 2, per pair, \$1.50; No. 3, per pair, \$1.75.

INCUBATOR LAMP BURNERS

Large size, 80 cents each by mail.
 Small size, 60 cents each by mail.

CYPHERS INCUBATOR LAMPS

(Seamless Bottoms)

Large size, with burner and wick all complete, for use on Nos. 1, 2 and 3 Incubators, \$1.25 each.

Small size, all complete, for use on No. 0 Incubator, \$1.00 each.

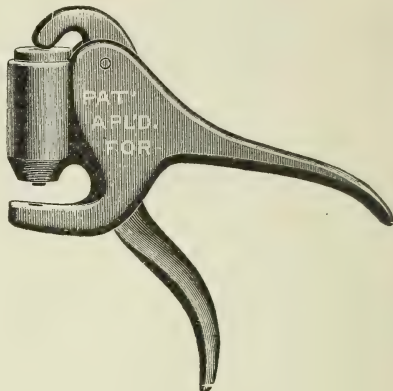
LAMP WICKS

For incubator lamps, 30 cents per dozen by mail.

For brooder stoves, 30 cents per dozen by mail.

Spring Lever Poultry Punch

If you keep a record of your chicks of the different breeds, hatches, strains, etc., there is no better, quicker, or easier way than by using the RELIABLE SPRING LEVER POULTRY PUNCH for marking the web



between the toes. Hundreds of private marks can be made when your chickens are hatched, and a record kept, so that they can flock together until maturity, and then be separated by these marks.

Price, postpaid, each 50c.

New Cyphers Fire-Proof Heater, for any size incubator, \$3.50 each.

New Felt Diaphragms, for No. 0 or No. 1, 75c; No. 2 or 3, \$1.00 each.

METALLIC PARTS FOR CYPHERS BROODERS

These can be purchased separately where the customer wishes to do his own wood work. One brooder, however, will need to be ordered for patterns, as we do not furnish plans.

Complete outfit for Style B, Indoor, or Style A, Outdoor, \$7.00.

WIDBUR'S EGG AND POULTRY FOODS

Wilbur's Seed Meal Stock Foods

The old and reliable preparation.
 Package, 25c and 50c each.

PRATT'S POULTRY AND STOCK FOODS

We handle their celebrated goods by the car. They are the best on the market.

26 oz. package, 25c; 5 lb. package, 60c; 12 lb. sack, \$1.50; 25 lb. sack, \$2.50.

ANIMAL REGULATOR

25c, 50c, 75c and \$1.00 per package; \$2.00 per pail.

ANDERSON'S FOLDING EGG BOXES

Made of heavy corrugated paper, folded flat, but quickly put together, holding eggs securely.

15 egg size, 15c; doz., \$1.50.
 30 egg size, 25c; doz., \$2.25.

IDEAL PAPER EGG BOXES

For use in delivering eggs to families. Hold 1 doz. each.

25c doz., \$1.00 per 100.
 Feeding Trough, 35c each.

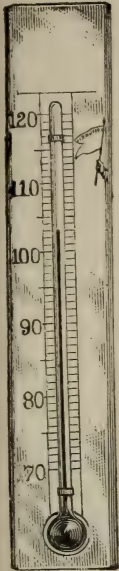
POULTRY SUPPLIES—Continued

High Grade Tested Thermometers

The best Incubators and brooders manufactured are worthless unless the thermometers therein are correct. Hatches fail in incubators because of inferior thermometers, and large numbers of chickens are lost in brooders, owing to defective or worthless thermometers. The operator must know accurately the temperature in the egg chamber, and be sure that the chicks in brooder have the proper amount of heat. The thermometers here listed are guaranteed by the manufacturers to be thoroughly and expertly tested before they are offered to the public.

PRICE.

- Incubator Thermometer, without wire. .75c**
Hangs from the top of egg chamber so it touches the eggs.
- Brooder Thermometer, unmounted.60c**



Cyphers Brooder Thermometer



Cyphers Incubator Thermometer

CAPONIZING INSTRUMENTS

Poultry men, farmers included, can double their poultry profits by caponizing the surplus cockerels. The operation is simple, the instructions, sent free, being so full and explicit that any man or woman, after a careful reading, will be able to perform it. Caponizing is highly successful in every point of view. The demand for capons East and West regularly exceeds the supply, the price per pound averaging more than twice as much as that paid for ordinary roosters. The object of caponizing is to increase the weight of the fowl, and to render the flesh far more tender and palatable.

Caponizing Outfit, complete, in fancy case, with instructions, \$3.00, mailed free.

Trade STERLINGWORTH Name

A certain and guaranteed remedy for bowel trouble and white diarrhoea in young chickens and scours in fowls and pigeons.

A positive cure and preventive for white diarrhoea seems too good to be true for this scourge has driven more poultrymen out of the business than any other disease. Millions of chickens die yearly from this trouble which could be saved if **Sterlingworth Diarrhoea Remedy** was used. Poultrymen should not wait until their chickens become diseased, but should use it as a preventive. It does not stunt the chicks or cause them to stop growing, but aids them to become strong and healthy. It is used in the drinking water. The chickens and fowls take their own medicine.

It is sold under a positive guarantee to give satisfaction or purchase price is refunded. Each package contains sufficient remedy for several flocks, 50 cents, postpaid.

Lambert's Death to Lice Remedies

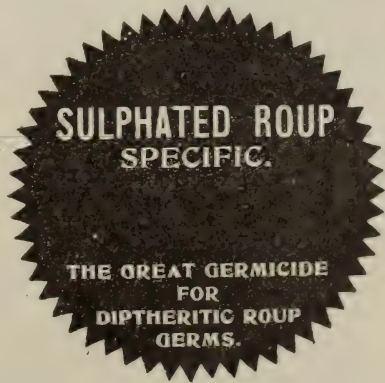
POWDER



For body lice on sitting hens, laying or exhibition poultry. It does not injure eggs or chickens, or soil the plumage in any way. It is also invaluable for lice on horses, cattle or plants, ticks on sheep, moths in carpets or furs, fleas and lice on dogs, cats and pets. Also a valuable disinfectant. Price, 5-oz. box, 10c; 15-oz., 25c; 48-oz., 50c; 100-oz., \$1.00.

OINTMENT

For lice on chickens. Scaly shanks on fowls. 10c and 25c per box, post-paid.



SEATOL SULPHATED ROUP SPECIFIC
The Great Germicide

This specific not only cures roup in its

POULTRY SUPPLIES--Continued

worst form, but eradicates all the poisonous impurities from the system.

Should your fowls have cholera, cure them by using the specific same as for roup. When in need of a roup or canker cure, buy the best—buy Sulphated Roup Specific.

Put up in 50c packages; by mail, 60c. Easy to use; simply put in drinking water.

SPECIAL

In powder form for dissolving in kerosene as a liquid louse killer, or to add to

whitewash for mites and spider lice. 4-oz. box, 10c; 16-oz., 25c.

If Powder or Special is to be sent by mail, 1c per ounce must be added for postage.

CYPHERS PEDIGREE TRAYS

To be used in place of regular trays when one wants to keep separate the chicks from certain eggs. (See Cyphers Catalogue.) Prices, for No. 0, \$1.50; No. 1, \$2.00; No. 2, \$3.50 pair; No. 3, \$4.50 pair.



This illustration shows the usual method of mounting the outfit for general orchard spraying. Two or more extra barrels of spray may be carried in the wagon to supply the pump. When the foliage on the trees is high above the ground, it will be found convenient to use extension pipes or a long hose, to which the nozzle may be attached. By this means the spray can be guided to any part of the tallest trees.

This year we have added a new line of pumps to our list, those manufactured by the Field Force Pump Company, who have spent over twenty years in the spray-pump business. Their spray-pumps come to us very highly recommended by Eastern fruit growers, and we are sure they will prove of equal value to our customers.

Spraying is no longer an experiment, but a science.

A Self-Operating or Automatic Sprayer

This is a fine sprayer for the poultry raiser, always ready for use.

Eight or ten strokes of the plunger in the air-chamber will compress enough air to discharge the entire contents and make a continuous spray for fully five minutes.

The AUTO-SPRAY will do the work of five ordinary sprayers, as the operator carries the sprayer over his shoulder, and, as soon as one bush or vine is sprayed, moves on to another, whereas the ordinary sprayer has to be set on the ground, and the operator has to stop to do the pumping for each separate bush. **THINK OF THIS LOSS OF TIME.** For greenhouses, either for giving plants a shower bath or for applying insecticides, you need an **AUTO-SPRAY.**

CAN BE USED

As a fire-extinguisher. For spraying carbolic acid, to prevent hog cholera.

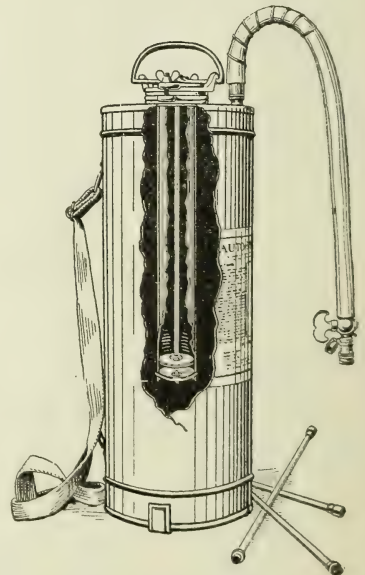
For spraying insecticides and whitewash in hen-houses.

For spraying disinfectants in hospitals and other places, to prevent the spread of contagious diseases.

For washing windows and wagons.



Auto-Spray at Work with Extension Pipe for Tall Trees.



Auto-Spray Showing Working Parts.

SPRAY PUMPS AND SPRAYERS—Continued

A Self-Operating or Automatic Sprayer

As a sprinkler for plants and flowers.

For sprinkling floors, taking the place of wet sawdust or the common sprinkler.

Make note of the simplicity of construction. See the plunger rod, the patent fastener at the top, the valves; they all can be taken apart in a few seconds, without the use of a tool of any kind. The working parts are all brass; can not get out of order. There is no stopping or waste of spray; it is air and water tight. You can spray with your good clothes on.

PRICE OF AUTO-SPRAY

Galvanized Steel, all working parts brass, with 2-foot, 3-ply rubber hose, stop-cock, 1 fine, 1 coarse, and 1 solid stream nozzle, and shoulder strap, \$5.50.

Brass Tank, with same parts as described above; price \$8.50.

Size—The above sprayers are 2 feet long and 7 inches in diameter; weight, empty, 7 pounds. Capacity, about 4 gallons.



EXTENSION PIPES

For spraying tall trees, we furnish extension piping in 24-inch lengths, each fitted

with brass couplings. Two or three lengths are generally used.

Galvanized, 30c.



Tin-Jet Sprayer

Tin; price, 50c.

For spraying vines, shrubs, plants and cattle (to keep off flies), and the interior of henneries, will save the price of the sprayer in a single day's use.

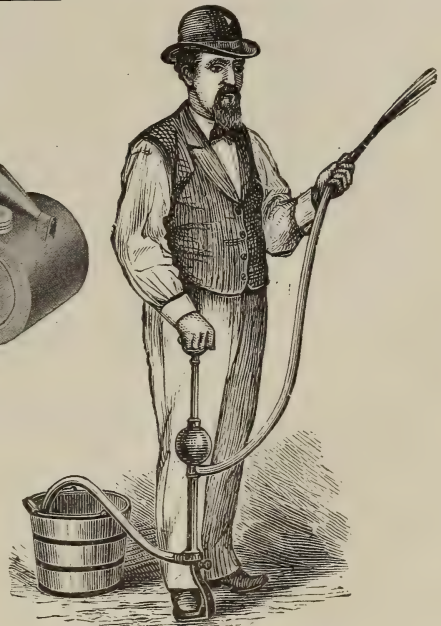
This sprayer embodies the principle of the ordinary atomizer, and is new only in the application of same to a new use. The advantages are at once apparent to the user. It is the most economical, not only because of its low price, but because of its great saving of material. The saving in one day's use of spray will pay the first cost of the sprayer.

One quart of liquid in this atomizer will cover more effectively a larger surface than ten quarts in the common sprayer, or sprinkler. It is a great saving in labor, because, when loaded, it weighs much less than any other, and because the spray is easily made to reach six feet from the operator.

A careful comparison of the Tin-Jet Sprayer, point by point, with other hand sprayers is all that is needed to convince a man that it is "the best hand sprayer made."

Why this Sprayer is better than others of similar construction:—

1. Because the reservoir is galvanized iron, and will not corrode or rust.
2. Because the feeding tubes are zinc, and will not corrode or rust.
3. Because the plunger is backed and reinforced by wood (not metal).
5. Because the sprayer is larger, and will spray further.



No. 267. Aquaject.

The Aquaject or Fire Annihilator

Cut No. 267 shows the practical operation of our new and improved Portable Aquaject, the most perfect and effective hand apparatus ever invented for throwing water. All working parts liable to rust or corrosion are made of brass. For washing windows and carriages and showering gardens or conservatories it has no equal. It is adaptable for throwing liquid solutions of all kinds to destroy noxious insects and bugs of every nature on plant, vine or tree, and should be kept in every house, store or factory in the country for fire protection. In fact, in a diminished degree it is capable of every use of an ordinary force pump, and far more convenient. It is always ready

SPRAY PUMPS AND SPRAYERS—Continued

for use, and not liable to get out of order. Will throw water at the rate of eight to ten gallons per minute to a height of fifty feet or more.

With each pump is sent suction and discharge hose connected, so that it requires

no labor to put it in immediate operation. Longer lengths of hose can be furnished, if desired.

Price of No. 267, with three feet suction and three feet discharge hose, brass discharge pipe, and rose sprinkler, \$5.50.

THE EMPIRE KING

Has an automatic mechanical agitator, an automatic brush for keeping strainer clean, seamless brass cylinder $2\frac{1}{2}$ inches inside diameter, 8 inches long, with solid brass plunger and rod, brass valves without leather or rubber and brass screw spout with stopcock. The agitator works in connection with cogs from the lever, connecting with a companion gear at the upper end of the steel shaft; at the lower end of the shaft is a horizontal wooden bar, to which are attached two upright paddles. Thus, when the lever is moved upward or downward, these paddles travel in a semicircle in bottom of cask, and PREVENT THE POISON FROM SETTLING.

The pump has a fine brass strainer at the bottom of suction pipe. It also has a BRUSH on the agitator arm, which swings under the suction strainer and keeps it clean, hence no clogging of pump or nozzles.

This pump has a long lever, works easily, and is GUARANTEED IN EVERY RESPECT.

The air-chamber is large, which insures an even flow, and the STOP-COCK on the spout is a valuable feature of this pump. Weight, not including barrel, 55 pounds.

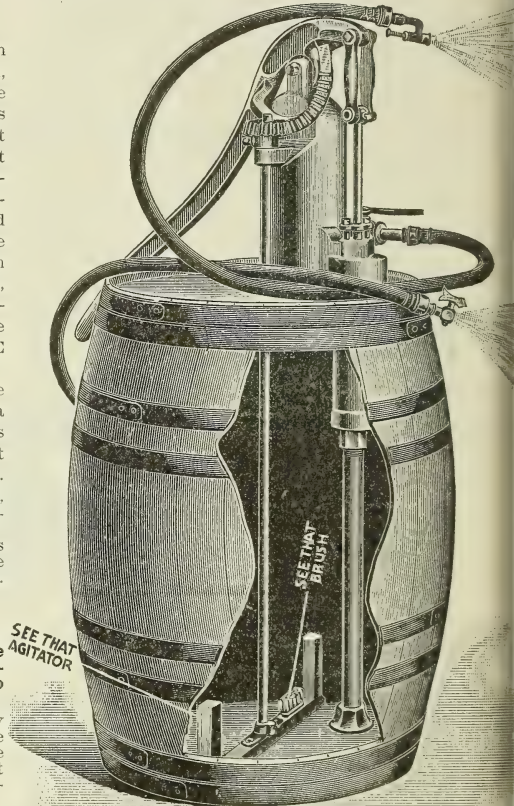
PRICES

Empire King Pump, with double or single brass spout for one or two leads hose, shut-off cock, suction pipe, brass strainer, no hose, no nozzle, no barrel. \$15.00.

To the above price add price of the spray nozzle or nozzles and amount of spray hose wanted, also extension pipe, if wanted. See prices on following pages. This is the most satisfactory way, as few people want exactly the same outfit.

We put coupling on the hose free of charge and see that everything is right before it goes out.

We supply barrels and mount the pumps for \$1.50 extra.



Empire King, No. 63.

THE EMPIRE QUEEN

With automatic mechanical agitator. This pump has a seamless brass cylinder, two inches inside diameter and eight inches long, brass plunger with leather bucket, brass lower valves, and brass rod; also a brass screw spout, to which hose is attached by a screw coupling. It has a large air-chamber, by means of which the spray is strong and continuous.

The agitator, brass strainer, suction pipe,

and brush on agitator arm are same as shown in the Empire King. This pump works easily, and a guaranteed in every respect. Weight complete, as above, 45 lbs.

Price of Fig. 62, as described above, no hose, no nozzle, no barrel, \$10.00.

For spray hose, nozzles, etc., see prices on following pages.

SPRAY PUMPS AND SPRAYERS—Continued



Fig. 62

EMPIRE QUEEN

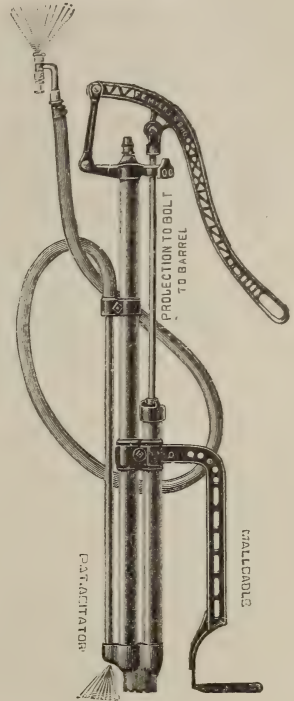
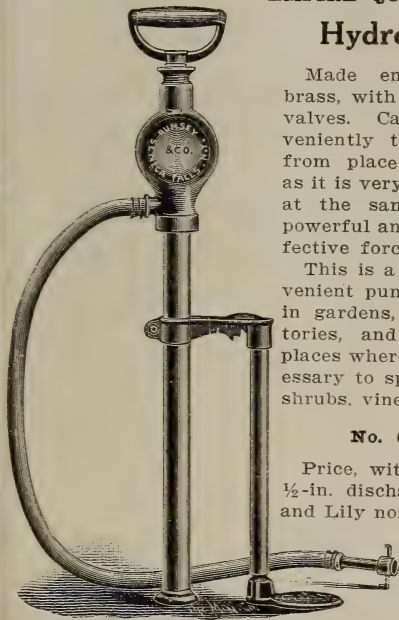
Hydropult

Made entirely of brass, with brass ball valves. Can be conveniently transported from place to place, as it is very light, but at the same time a powerful and most effective force pump.

This is a most convenient pump for use in gardens, conservatories, and in other places where it is necessary to spray small shrubs, vines, etc.

No. 663.

Price, with 3 ft. of ½-in. discharge hose and Lily nozzle, \$5.00.



No. 324.

This pump has all the advantages of the ordinary barrel pump and bucket pump combined, and is sold at a moderate price. Has one-half more air-chamber than any other make of bucket pump. Is made of brass, with ball valves; handle and foot rest are malleable iron.

The work is all done on the down stroke of the handle, and it can be operated with one-third the power required for any other old-style bucket spray pump.

When used as a barrel pump, detach the foot rest and attach pump to top of barrel.

Price of No. 324, with agitator, complete with hose and Vermorel fine, coarse, or solid stream nozzle, \$4.50.

SPRAY NOZZLES, CONNECTIONS, ETC.

All fruit growers contend that the nozzle is the most important part of the spraying outfit. It must be arranged to throw a mist, and not drops. By putting on too much material, you damage the foliage.

The best results are obtained by covering the entire surface, and with just as little in one place as possible.

IMPROVED VERMOREL NOZZLE WITH DEGORGEE

No. 35 is arranged with stuffing box, so

that the liquid will not wet the operator while being used; fitted for ½-inch male end of 1¼-inch pipe. Each nozzle is furnished with two caps, with different sized openings for coarse or fine spray.

The above fitted for ¾-inch hose. Price each, \$1.25.

BORDEAUX SPRAY NOZZLE

Use This Nozzle for Whitewashing.

No. 36 will throw a fine, fan-shaped

SPRAY NOZZLES, CONNECTIONS, ETC.—Continued

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. Price each, \$1.00.

HOP NOZZLE

No. 37 represents a nozzle especially designed for use in hop-yards, vineyards, or any place where delicate vines are to be sprayed. This nozzle throws a very broad, fine spray. Fitted for $\frac{3}{4}$ -inch pipe or $\frac{1}{2}$ -inch male end. Price each, \$1.50.

SPRINKLING NOZZLES

Gem Nozzle, adjustable, 60 cents each.
Crescent Nozzle, adjustable, 50 cents each.
Plain Nozzle, 50 cents each.

BAMBOO EXTENSION

10-foot, complete, with globe valve...\$2.00
 8-foot, complete, with globe valve... 1.75
 Plain 8-foot Extension Pipe. Price, 50 cents.

HOSE REDUCER

No. 43 represents a hose reducer, used to reduce hose to $\frac{1}{4}$ -inch pipe. It is used to connect an ordinary hose coupling to pipe extension.

Price each, 25c.

Do not wait until the pump is needed before sending in your order. Order early. It is the early spray that kills the worm and prevents fungus.

DEWEY NOZZLE

This nozzle throws a fine rotary spray, has two caps, one of which has a larger

opening for orchard spraying. This is a very economical nozzle, in the use of liquids. Special attention is invited to the form of construction, it having no projections to catch on the limbs.

Price, $\frac{1}{4}$ -inch, \$1.00.

Y OR TWO-STREAM HOSE CONNECTION

No. 44, with $\frac{3}{4}$ -inch male ends and lateral discharges, either $\frac{3}{4}$ or $\frac{1}{2}$ inch, according to the pump on which it is to be used. Price each, 80c.

BRASS HOSE NIPPLES

Price each, $\frac{3}{4}$ -inch, 30c; 1 inch, 40c.
 Extra length, tapped for agitator.
 Price each, $\frac{3}{4}$ -inch, 40c; 1-inch, 50c.

Lily Nozzle—each50c
Globe Valve, for $\frac{1}{4}$ -inch iron pipe.....75c

SHUT-OFF COCK

Price, $\frac{1}{4}$ -inch, brass\$0.75
 Price, $\frac{3}{4}$ -inch, brass 1.00

THE NIAGARA SPRAY NOZZLE

Produces a fan-shaped spray, either fine or coarse, or throws a solid, round stream. It is also provided with a shut-off cock.

Notice the improved shape of the handles; nothing to catch on the limbs.

Price, \$1.00.

MALE END

No. 42 represents male end for $\frac{1}{2}$ -inch hose, threaded to receive $\frac{1}{4}$ -inch pipe or any spray nozzle shown on this or preceding page.

Price each, 30c.

SPRAYS AND SPRAY MATERIALS

Remember—"No Worms When You Spray"

Add 16c per lb. if wanted by mail. Liquids can not be mailed.

LIME-SULPHUR SPRAY

"Niagara" (brand). A pure, highly concentrate solution, free from sediment. It is the best of all winter sprays, and is meeting with approval as a summer spray to control apple and pear scab.

"Niagara" is used by the most successful fruit growers throughout the Northwest. Test and measure guaranteed to be marked on every barrel.

It is all ready to mix just as you get it; merely add 11 gallons of water to each gallon of spray. Price: 1 gal., 65c; 5 gals., \$1.85; 50-gal. barrels, \$12.50.

DUNN'S SOLID SPRAY

No. 1—Lime, Sulphur and Salt.

Prepared in solid form, ready to dissolve. For winter use, 1 lb. to 2 gals. of water; for summer, 1 lb. to 8 gals. of water. Price, 1 lb., 10c; 25 lbs. to 50 lbs., 5c per lb.; 100 lbs. or more, at 4c per lb.

No. 2—Lime, Sulphur and Blue Vitriol.

Five cents per lb.; 100 lbs. or more, 4c per lb.

Spray No. 7—Bordeaux Mixture.

We now have this invaluable remedy prepared in liquid form. Directions are attached to each can. One gallon of this condensed liquid makes 50 gallons of spraying liquid. It is BETTER and CHEAPER than the ordinary home-made mixture. Qt., 60c; gal., \$1.50.

SPRAYING MATERIAL

Prices subject to market changes.
Arsenic White, lb., 15c.

Sulphate of Copper (bluestone), lb., 15c; 2 lbs., 25c.

Paris Green, $\frac{1}{2}$ lb., 20c; lb., 35c.

London Purple, $\frac{1}{2}$ lb., 20c; lb., 35c.

Sulphur, powdered, 10 lbs., 25c; bags 110 lbs., \$2.25.

Whale Oil Soap, lb., 10c; 25 to 50 lbs., 5 $\frac{1}{2}$ c lb., 100 lbs., \$5.00.

Quassia Chips, 1 lb., 10c; 10 lbs. or more, 7c lb.

Hellebore, $\frac{1}{4}$ -lb. pkg., 15c; $\frac{1}{2}$ -lb., 25c; lb., 35c.

Tobacco Dust, lb., 10c; 10 lbs., 75c.

Tobacco Soap, post-paid, 25c cake.

Fir Tree Oil Soap, $\frac{1}{2}$ -lb. can, 25c; by mail, 35c.

HAMMOND'S SLUG-SHOT

A well-known remedy for all kinds of insect pests on vegetables, fruit and flowers. Non-poisonous, 1 lb., 15c; 5-lb. pkg., 50c.

Arsenate of Lead—The best and latest insecticide. It will not burn the foliage and stays on the trees longer than any other spray made.

2-lb. can, 50c; 5-lb. can, \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.25; 100-lb. keg, \$15.00.

ROSE LEAF

Concentrated EXTRACT or TOBACCO. Very effective for destruction of plant lice. Directions on each can. Pt., 40c; qt., 60c; gal., \$1.75.

NICO-FUME TOBACCO PAPER

24 sheets, 75c per can.
 144 sheets, \$3.50 per can.
 288 sheets, \$6.50 per can.

SPRAYS AND SPRAY MATERIALS—Continued

NICO-FUME LIQUID

Pints, \$1.50; ½-gal., \$5.50 each.

HAMMOND'S GRAPE DUST

The best known remedy for mildew on roses, grapes, and gooseberries. Apply with "Woodason" powder bellows. 1 lb., 15c; 5-lb. pkg., 50c.

KEROSENE EMULSION

Used for woolly aphids and clover mite. Prepared ready for use. One gallon makes fifty gallons ready for use. Per gallon can, \$1.50.

AVENARIUS CARBOLINEUM

The famous German wood preserver and insecticide. Paint or spray your chicken houses, hog pens, stables, sheds, etc., with Avenarius Carbolineum, to permanently destroy all poultry and other vermin and preserve your buildings from rot and decay. Qt. can, 50c; gal., \$1.50; 5-gal. cans, \$6.00.

ZENOLEUM.

Non-poisonous disinfectant, lice killer, animal dip and antiseptic insecticide. "A boon to the Poultryman." Quart, 50c; half gallon, 90c; gallon, \$1.50.

WHAT IS GAINED BY SPRAYING

Foliage is the lungs of the tree and vine, and must be kept in healthy condition to secure profitable results, consequently by spraying we get not only **LARGER CROPS OF FRUIT** and **BETTER QUALITY**, but we add to the **THRIFT AND VIGOR OF**

OUR ORCHARDS and vineyards.

We are sure that the horticulturists of this great country can not do anything that will more advance their individual interests and the horticultural development of this State than by putting this new art of spraying into use in all their orchards and vineyards.

SPRAY AND GARDEN HOSE

In connection with our SPRAY PUMPS AND GARDEN TOOLS, we have added a complete line of the very best cotton and rubber hose, for garden and spray work. Our hose is made by one of the most reliable rubber companies, and we guarantee it to be new rubber, and just as represented.

All 50-foot lengths of hose include couplings at following prices. Prices on suction, wire-wound, and larger hose on application.

Adjustable Lawn Sprinkler, screws onto hose couplings, throws the water high or low, coarse or fine; very handy and convenient. Price, 25c.

Hose Couplings, for ½ or ¾-inch hose, 20c pair.

Clamps to fasten COUPLINGS on with ½ or ¾-inch, 5c each.

Wire Bands for mending hose, 25c a dozen.

Pliers for putting the WIRE BANDS on, 25c each.

Mending Tube for joining hose together, 5c each.

Washers, rubber, for ½ or ¾-inch COUPLINGS, 10c a dozen.

Gem Repair Outfit, contains six mending tubes, six wire bands, and a patent plier for fastening the bands; complete, 50 cents.

SEAMLESS RUBBER HOSE

		Per Foot.	
Brand—	½-inch.	¾-inch.	
Garden, guaranteed for ordinary pressure	\$0 10	\$0 12½	
		Per Foot.	
Brand—	½-inch.	¾-inch.	
Columbia , guaranteed first class	\$0 12	\$0 14	
Niagara , three-ply, highest grade garden hose. Best value, fully guaranteed; will do for spray pump of light pressure.....		13½	15
Niagara, SPECIAL SPRAY HOSE , four-ply, made especially for high-pressure spray pumps		15	
Sampson SPRAY HOSE , seven-ply. First-class hose for spray pumps. Good value		13	

SEAMLESS COTTON HOSE

White Cotton , very serviceable, and good value for the money	09	12
D. B. Line , first-class extra good value, guaranteed	12½	15
Phoenix , very best extra heavy cotton hose. Mildew proof	15	17
Hose Reel , \$1.25.		

BOND'S GRIT MACHINE

The best Grit Crusher manufactured. A machine that will crush enough in a few minutes to last a hundred head of fowls a month. It is so simple that any child can use it. It works with a lever power and takes very little work to run it. You can crush granite, oyster and clam shells and

crockery. After you have purchased one you will wonder how you did without it so long. The sight of the machine sells it. One customer invariably brings another.

The Price Is Only \$4.00.

IDEAL POULTRY NETTING

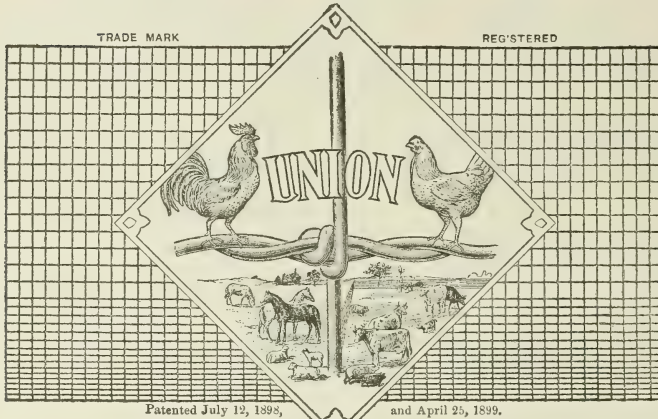
A new netting and far superior to the old Hexagon. The cables all run in straight lines horizontally, therefore fence does not sag or pull out of shape. It requires fewer posts and no top or bottom rail is required.

Put up in 10 rods—165 lineal feet—to the roll.

Prices—

24 in. wide.....	\$2.75	per roll
36 in. wide.....	3.25	per roll
48 in. wide.....	4.00	per roll
60 in. wide.....	5.00	per roll
72 in. wide.....	5.75	per roll
All in 2-in. mesh.		
1-in. mesh, 24 in. wide.....	4.50	per roll

UNION LOCK POULTRY FENCE



The horizontal lines of this fence are composed of two No. 20 galvanized steel wires twisted together. Beginning at the bottom the first seven cables are 1 1/4 inches apart, the next three cables are 1 1/2 inches apart, then six cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1 1/4 x 3 inches at the bottom, where it is needed for small chicks; and above 2 feet, where fowls can only reach when on the wing, the mesh is 3x4 inches. The pickets are No. 19 galvanized steel wires, and are 3 inches apart. The picket is fastened to the cables with the Union Lock, the same as we use in our Field and Hog Fencing, which has given such excellent satisfaction.

On account of the picket being at right angles to the cables, the fence will fit any unevenness of the ground without cutting, which is an advantage not possessed by any diamond mesh netting or diagonal mesh fencing.

As all cables are the same length and run the whole length of the fabric, every

part can be stretched perfectly. The fence is amply strong, as the breaking strain of a No. 20 two-wire cable is 192 pounds, and there are ten cables in the first foot of fence. Because of its strength and construction, this fence requires no top or bottom rail and no more posts than the ordinary woven wire stock fence, or about one-half the number needed for poultry netting.

In strength, closeness of mesh, adjustability and economy, it excels all others.

	Per Bale.	Weight.
24 inches wide.....	\$3.50	26 pounds
36 inches wide.....	4.00	32 pounds
48 inches wide.....	4.75	41 pounds
60 inches wide.....	5.50	48 pounds
72 inches wide.....	6.50	54 pounds

In bales of ten rods—165 lineal feet.

SHORT LENGTHS, 1 1/2 CENTS PER SQUARE FOOT.

SPECIAL PRICES IN LARGE QUANTITIES.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

LEG BANDS FOR POULTRY

We have examined and tried every band, and believe we list the three best kinds.

THE SMITH SEALED LEG BANDS

The modern method of marking poultry is to use a band that, "when once on, is always on," as one customer puts it. These bands, though only introduced last season, are attracting more attention than anything in the line of markers yet offered the poultry fraternity.

PRICES BY MAIL OR EXPRESS PRE-PAID.

10 for 25c; 25 for 50c; 60 for \$1.00; 100 for \$1.50.

ECLIPSE LEG BRANDS

Require no tool to seal them on

This new band is an ingenious one. You simply pass it around the bird's leg, and by pressing the two ends together, lock it. The automatic lock is under the number, and it is impossible for it to come off. These bands are made of aluminum, and are light, strong, neat, durable and perfectly smooth on the inside, making it impossible to injure the bird's leg. Order by number or class, the same as the above bands.

Prices, by mail, post-paid: 12 for 25 cents; 25 for 50 cents; 60 for \$1.00; 100 for \$1.50.

CLIMAX LEG BANDS

These leg bands are nothing new. They are standard leg bands that have been manufactured for years, and have the indorsement of many of the foremost poultry raisers in the country. They are neat, light, durable, secure, and are guaranteed to stay on when once placed on the fowl's leg. They are easily put on or removed. **AND NO TOOLS ARE REQUIRED.** The rings are made of steel or brass, and are so bent that the tag acts as a clasp, holding them securely in place. We have them in several different sizes for different breeds. Please order as follows, according to your wants: No. 1 for Bantams; No. 2, for Mediterranean females; No. 3, for Mediterranean males and American females; Nos. 4 and 5, for American males and Asiatic females; No. 6, for Asiatic males and turkeys. **THEY ARE NOT MADE FOR PIGEONS.** Numbers run from 1 to 100, from 100 to 200, and so forth up to 1,000.

PRICES OF CLIMAX LEG BANDS

12 for 25c; 25 for 40c; 50 for 75c; 100 for \$1.35. Postpaid.

FERTILIZERS

Do You Use Any?

If not, you should. Do not say it costs too much. If you use them intelligently, **YOU CANNOT AFFORD TO DO WITHOUT THEM.** They will **INCREASE YOUR CROPS ENORMOUSLY**, and your vegetables will mature quicker.

The best results from the use of commercial fertilizers will be derived by those who apply them in the fall or early spring. It is very desirable that they be well mixed with the soil, otherwise they can not be reached by the roots. No positive rule as to quantity can be given. The average amount is 400 or 500 pounds per acre, but market gardeners often use three or four times that amount, and find that it pays.

VEGETABLE FERTILIZER

This compound is prepared specially for potatoes, vegetables and garden truck, and is unsurpassed for bringing these crops to early maturity. 100-lb. sacks, \$2.00.

COMPLETE FERTILIZER

An all-around fertilizer for ordinary farm and garden products. 100 lbs., \$2.00; ton, \$35.00.

FRUIT FERTILIZER

This excellent fertilizer is made expressly for fruits. Its use for fruit trees, vines and shrubs of all kinds will be followed by a great improvement in the quality and increase in quantity. 100-lb. sacks, \$2; ton, \$35.00.

LAWN FERTILIZER

For grass lands, lawns and flowers. This article has been specially prepared to meet the requirements of grass lands, and has been used on a great many lawns in and

about this city, with highly satisfactory results. Do not use barnyard manure on a lawn, for it will fill it full of weeds. This fertilizer will feed the roots better and bring in no weeds. 25-lb. sacks, \$1.00; 50-lb. sack, \$1.50; 100-lb. sacks, \$2.50.

HOP FERTILIZER

This is an excellent manure, and is just the thing needed for the successful growth of hops. A trial will convince hop men of its value. 100 lbs., \$2.00; 500 lbs., \$8.50; ton, \$33.00.

DOUBLE SUPER-PHOSPHATE

This is a first-class article of pure bone phosphate, and acts in a remarkably short time. 100 lbs., \$3.50.

PURE BONE MEAL

We supply pure bone meal, finely ground, for use on crops of all kinds. Animal bone is a most valuable enricher of the soil, and a crop producer, and is sure to pay well when used. 100 lbs., \$2.50; ton, \$40.00.

Land Plaster, 80-lb. sack, \$1.05; ton, market price.

Nitrate of Soda, 100 lbs., \$4.00.

Muriate of Potash, 1 lb., 5c; sack, 224 lbs., \$8.50.

Sulphate of Potash, 1 lb., 4c; sack, 224 lbs., \$8.00.

Kanit, 1 lb., 1½c; sack, 224 lbs., \$2.25.

For larger quantities of any of these fertilizers, write for special quotations.

"Willgrow," a condensed Flower Food, odorless; a little put in your flower pots will brighten up the foliage and produce more brilliant flowers. **Package, 35c, postage paid.**

Armour's Odorless Flower Food

A safe, clean and high grade fertilizer, free from disagreeable odors, prepared especially for feeding plants grown in pots. It is a wonderful invigorator, producing luxuriant, healthy growth, foliage of rich texture, and larger and more brilliant flowers.

It contains in a highly-concentrated form all of the ingredients of plant food essential to the highest development of plants and flowers. It is very soluble, and

is readily assimilated, so that marked improvement is usually noticed in ten days' time. It is fine and dry, clean, and easy to apply, either sprinkled over the surface of the soil as a top dressing or dissolved in water (stirring well). Detailed directions on each package.

Half-pound box, 25c; by mail, 35c.

One-pound box, 50c; by mail, 65c.

Try it. A 1-pound box will do 25 plants for 1 year.

Wilson's Bros.' Dry Bone and Shell Mill

This is one of the handiest appliances in use. It is the best thing for grinding dry bone, oyster or clam shells, glass, grains, grit, charcoal, etc. It is a well-made mill and hundreds of them are in successful use. We have never yet received a complaint from any one to whom this mill has been sold. The low price at which

it is sold places it within the reach of every poultry man, and it will pay for itself in less than one year's time.

PRICE

Price, without stand, \$5.00; weight, 33 pounds; diameter of hand wheel, 20 inches.

MANN'S GREEN BONE CUTTERS

If you want an old, reliable machine—one that has established a reputation in the yards of practical poultrymen—buy a Mann's.

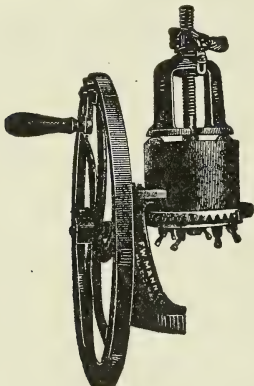
If you want a new machine—one that has every late improvement, one that is really "ahead of the times"—buy a Mann's. It does the work with the greatest ease. It makes every hen a paying hen. Try it and see.

The Mann's is the only machine which has a self-governing feed, which produces a uniform pressure against the knife, whether the bone be hard or soft. You set the machine to suit your strength, and it never requires more power than you set it for.

The Mann's cuts any bone and all adhering meat or gristle, and never clogs or stalls.

The Mann's is, in short, an ideal bone cutter. **We believe that it is a better machine, all points considered, than that produced by any other manufacturer.**

Try one for yourself, and if you are not satisfied, you can have your money back. Could you ask more?



MANN'S NO. 5.

Has four knives, large cylinder, and has the latest patent, automatic governing spring feed, which makes it one of the best, low-priced bone cutters ever offered. Can furnish with crank, balance wheel, or mounted on iron stand.

MANN'S No. 7½

Adapted to run either by hand or by power, without any change.

The particular advantage of the No. 7½ is that while it is a complete power machine, it can be operated by hand just as easily as the No. 7. Thus, it is always ready for use. It is recommended even if you have no power at present, for should you get power in the near future, you need be at no further expense. There is a large class that need a power bone cutter, who cannot really afford to pay the price of the No. 11 or No. 12. The No. 7½ will appeal directly to this class. It has all the improvements. It meets a long-felt want.

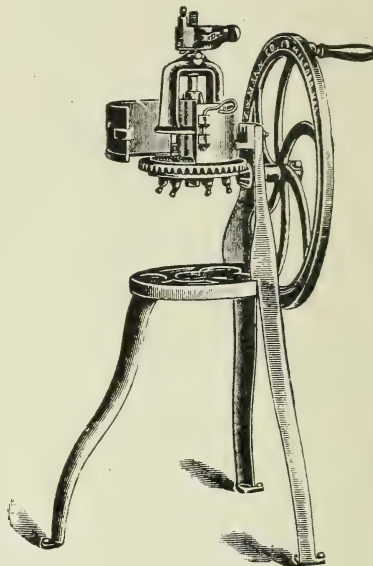
MANN'S NO. 9

The description of No. 7 will apply to the New No. 9. The difference consists of larger cylinder, greater holding capacity, different design and larger table.

MANN'S No. 11—HAND OR POWER

Intended for large flocks when the machine must be run by hand a portion of the time. It is really a semi-power and semi-hand or combination machine, and as such

has its place. The No. 11 is exactly the same as No. 9 with the power parts added. It has all the late improvements, special feed, anti-clog, open cylinder, tight and loose pulleys, etc. Capacity, 100 lbs. per hour.



MANN'S NO. 7

The New No. 7 is mounted on strong iron stand, and has patent automatic governing spring feed. Large open-hinged cylinder, giving instant access to all working parts, has six knives, gear guard, anti-clog device, heavy balance wheel and other improvements.

NO. 12 POWER

This machine deserves more than passing notice. It costs but \$4.00 more than the semi-power, or No. 11, yet is heavier, stronger, better and far more durable. It is strictly a power machine, and full of business from top to toe. Remarkable for strength, capacity, simplicity, economy and convenience. It has all the new patented improvements. In addition, this cutter has a grab clutch, an important and novel device by which it can be started and stopped instantly. No slipping of belts. The balance wheel runs all the time with the pulley, consequently the clutch operates instantly. Capacity, 120 to 150 pounds per hour. Horse power required, 1 to 2. Just the machine for marketmen, extensive breeders, or any one who has large quantities of bone to cut.

PRICE LIST OF MANN BONE CUTTERS

New Styles—	Price.	Weight.
No. 5 C (with crank handle).....	\$ 7.75	30
No. 5 B (with balance wheel).....	10.50	55
No. 5 B M (B. W. and iron stand).....	13.00	80
No. 7 (B. W. and iron stand).....	15.50	107
No. 7½ (hand or power).....	21.50	150
No. 9 (B. W. and iron stand).....	23.00	163
No. 11 (power machine).....	30.00	215
No. 12 (power machine).....	34.00	260
No. 15 (power machine).....	66.00	420
No. 4 B (with balance wheel).....	12.00	75
No. 4 B M (B. W. and iron stand).....	14.00	110

Cleveland Lawn Weeder



Keeps your lawn free from weeds; do not be without one, as the price is only 75c.

Mann's Clover Cutter

This is the only first-class clover cutter on the market. It is made entirely of iron and steel, and can not warp or shrink. This cutter was designed with the special object in view of making the knives simple to adjust and easy to sharpen, something that had not been accomplished in any other clover cutter. At the same time, this cutter is so simple in construction that it will not get out of order.

The importance of the simplicity of this cutter would be appreciated by the reader if he could compare it with the complicated machines heretofore offered to poultry men. The old style cutters were not only complicated, but costly. The knives are made of the finest steel, securely fastened to a plate than can be set with positive accuracy.

The Mann Clover Cutter cuts any kind of hay or clover, either dry or green, and does the work more rapidly than any other hand cutter of the same size on the market. Each revolution of the balance-wheel produces twelve cuts, where other cutters produce only three to eight.

All dangerous parts of this cutter are inclosed, so that a boy or girl can run it without risk. The workmanship is guaranteed to be first-class in every particular, the result being a strong, practical and serviceable machine, offering the best value for the least money.

PRICES

Without stand, for use on bench or table\$10.00
With iron stand, all complete 12.50

Stearns' Clover Cutter

Does good work. Quite small, but worth the price asked. Weight, 6 lbs. Price \$3.00.

Standard Poultry Punch No. 1

The best poultry punch on the market. Where a first-class punch is desired, one that will do the work accurately, quickly, and easily, and will last a lifetime, the Standard punch is recommended. Price, \$1.00, sent postpaid to any address.

CHINA NEST EGGS

30 cents dozen; by mail, 50 cents.

Insect Powder Blowers

For use in applying insect powder of any kind on fowls, old or young. Will work a saving of 25 per cent in the insect powder used. There is no need to waste any powder, if you use this blowers. It is the handiest thing out, well made, and lasting.

Price, 25 cents each, by mail, postpaid.

LEE'S LICE KILLER—Well and favorably known. Qt., 35c; ½ gal., 60c; gal., \$1.00.

Tobacco Dust

For use in dust baths and nests. A cheap and effective exterminator of lice. Per lb., 10c; 3 lbs., 25c.

Wire Nests—Each 25c
Paper Egg Boxes—Each 20c and 25c
Anti-Lice Roost-Hangers—Each 15c

LAWN MOWERS

Ball-Bearing, 14-inch\$7.50
Ball-Bearing, 16-inch 8.50
Others at\$3.50, \$4.50 and \$5.00

SEATTLE FLY KNOCKER

Guaranteed

Fly Knocker instantly drives away flies, mosquitoes and insects from any animal sprayed with the magic liquid.

Cows feed quietly all day, and give one-third more milk.

Stock cattle will fatten better, and larger profits are realized.

Horses will work easier and rest quieter, being absolutely free from annoyance, for no insect will go near where Fly Knocker is used.

Will also prevent the gadfly from striking sheep and causing "grub in the head."

To protect animals from flies and mosquitoes, apply once or twice a day lightly over the animal with a sprayer, giving special attention to the legs, head and sides. It is better to give a light application frequently than a heavier coating at long intervals.

The feed saved will more than pay the cost of the remedy, and you do not have to wait until after dark to milk your cows.

By the use of Fly Knocker your cow will give one-third more milk; your horse will rest during rest time and work during working hours on two-thirds the feed it now requires, and will be free from vermin of all kinds.

Guaranteed to do the work or money refunded.



Which cow would you rather milk?

NO USE MILKING COWS AFTER DARK.
PRICES

Half-gallon cans\$0.75
One-gallon cans 1.25
Five-gallon cans 5.00

It costs about ½c per day per animal to use.

To apply Fly Knocker economically, use our **New Era Sprayer**. (See page 47.)

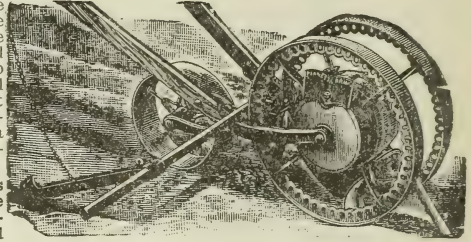
ODORLESS FERTILIZER for House Plants, per lb., 10c by mail, postpaid, 20c per lb.

For other fertilizers for flower borders, lawns, garden and farm use, write for prices, stating kinds (or purpose) and quantities required.

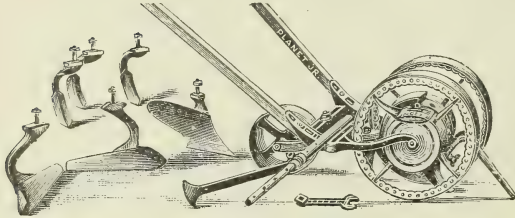
Far-Famed "Planet Jr." Garden Tools

These are the most popular and complete garden tools made. They are known the world over, and beyond question are the most perfect in design, construction and finish, and most practical yet invented. No wide-awake farmer or gardener can afford to be without them. Space will not permit illustrating and describing all of the "Planet, Jr." tools, but we will gladly send a fully-illustrated catalogue to any who desire it.

DO NOT class the "Planet, Jr." goods with the many lines of garden tools on the market at a lower price, as there is no comparison when it comes to material and workmanship.



No. 2 Drill Seeder. Price \$8.25.



"Planet, Jr." No. 1, Combined Drill, Seeder and Wheel Hoe, Cultivator and Plow. Price, \$10.50.

This has long been the most popular combined tool made. As a seed sower it is the same as No. 2 Drill Seeder, smaller. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached. It is an excellent seed sower, a first-class double or single wheel hoe.

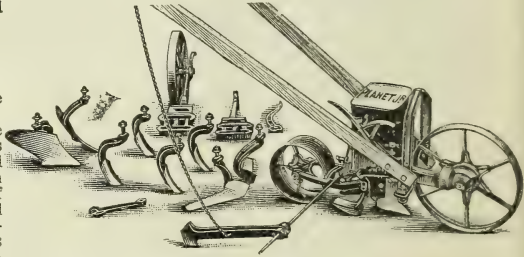
A pair of 6-tooth rakes supplied when specially ordered. Price, \$1.00 extra.

No. 25 Combined Hill and Drill Seeder and Double-Wheel Hoe, Cultivator, Rake and Plow. Price, \$14.50.

11¼-inch wheels. Hopper holds 2½ quarts.

It practically combines in one tool the No. 4 Drill and No. 12 Double-Wheel Hoe.

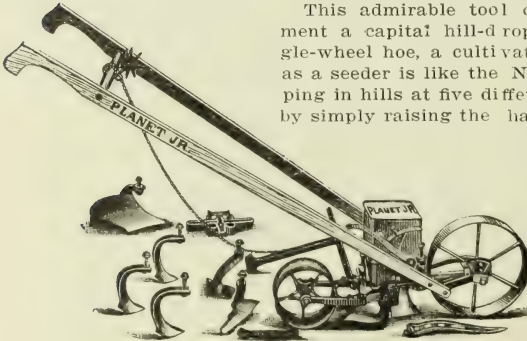
As a drill it is almost identical with the "Planet, Jr." No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same feed, hill-dropping mechanism and automatic device for throwing out of gear, and the new combined cut-off and seed index, with brass thumbscrew adjustment. It is thoroughly substantial and is accurate in sowing all kinds of garden seeds, in either hills or drills.



No. 4 Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow. Price, \$12.00. Drill only, \$10.00.

This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single-wheel hoe, a cultivator, and a plow. It holds two quarts, and as a seeder is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single-wheel hoe, garden plow, or cultivator. It is useful almost every day of the season, at every stage of garden work. With this one implement the small farmer can do practically all the work in his small crops.

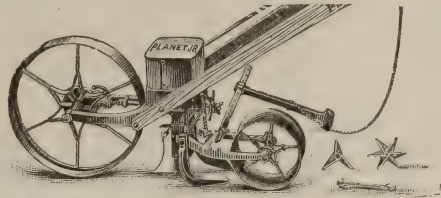
A set of three rakes supplied when specially ordered. Price, \$1.00 extra.



FAR-FAMED "PLANET JR." GARDEN TOOLS—Continued

No. 3 Hill and Drill Seeder. Price, \$11.50.

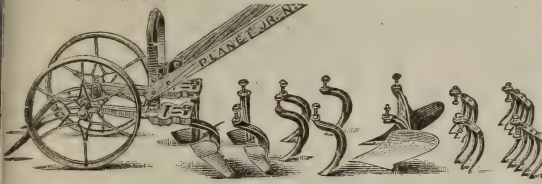
Hopper holds three quarts; 15-inch patent steel driving-wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. It is extremely simple and will not injure the most delicate seed.



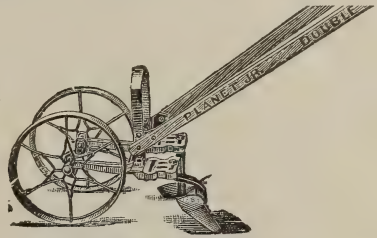
DOUBLE-WHEEL HOES.

The "Planet, Jr.," double-wheel hoes are the greatest tool in the world for the gardeners. They do more work, and do it better and easier, than can possibly be done in any other way. They represent the very highest perfection in every detail.

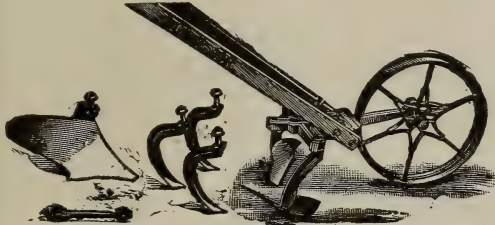
No. 11 Double-Wheel Hoe Cultivator, Rake and Plow. Price, with attachments as shown in cut, \$10.00.



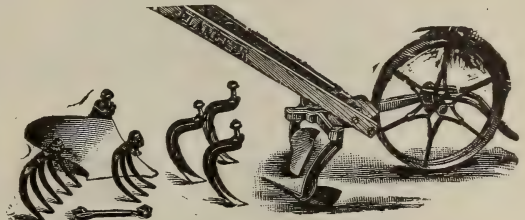
No. 12 Double Wheel Hoe, \$7.85.



No. 13 Double Wheel Hoe, \$5.50.



No. 16 Single Wheel Hoe, Cultivator, Rake and Plow. Price, \$6.50.



No. 17 Single Wheel Hoe, Cultivator and Plow, as in cut, \$5.75.



Farmers' No. 19 Single Wheel Hoe, Cultivator and Plow. Price, \$4.50.



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

No. 17½ Single Wheel Hoe and Cultivator. Price, \$5.00.

This machine is similar to No. 17, except it has no plow, but it has a leaf lifter. Thousands of them are sold annually for cultivating sugar beets and onions.

No. 18 Single Wheel Hoe, with pair Hose only. Price, \$4.25.

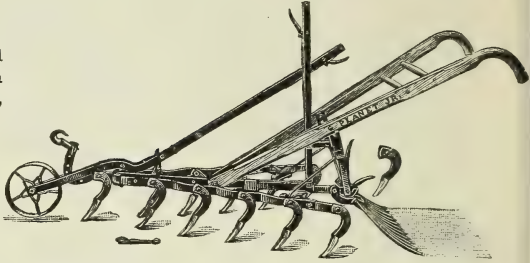
This latest "Planet, Jr." Hill and Drill Seeder and Wheel Hoe has been under construction for two years past, and has been held back until every detail has been made as nearly perfect as it seems possible to have it.

No. 6 "Planet, Jr." Combined Hill and Drill Seeder, Hoe, Cultivator and Plow. Packed weight, 58 lbs. Price, \$14.50.

FAR-FAMED "PLANET JR." GARDEN TOOLS—Continued



No. 8 Horse Hoe and Cultivator. Price, with Attachments as in Cut, \$10.50.

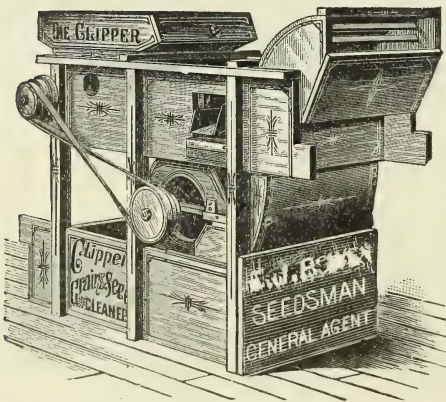


"Planet, Jr.," Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, plain, \$6.75; with Wheel, \$7.85; Complete, \$10.50.

The "Planet, Jr.," Horse Hoe is by far the best machine of its kind on the market. It is adapted to every kind of cultivation and a great variety of work.

REMEMBER this list is **ONLY PART OF WHAT WE CARRY IN STOCK.** Write for our handsome complete Catalogue of "Planet, Jr." Goods. **Free.**

THE CLIPPER GRAIN AND SEED CLEANERS



The "Vertical Blast" (a distinctive feature of our machines) has won for the "Clipper" the highest testimonials from hundreds of the most prominent grain and seed dealers and growers in the world.

We have sold over three carloads of these cleaners in Oregon and Washington during the past two years, and they please the people. Can't help it.

They are guaranteed to do the work claimed, or money refunded.

A set of ten zinc screens made especially for our Western grain and seeds goes with each mill. You can separate cheat, cockle, wild oats, dog fennel heads, etc., from wheat and oats in one operation.

PRICES.

No. 1—\$30. Capacity about 40 bushels market wheat per hour.

No. 2—\$35. Capacity about 50 bushels market wheat per hour.

No. 6—\$80. Capacity about 250 bushels market wheat per hour.

PRUNING TOOLS

WALTER'S IMPROVED TREE PRUNERS

This pruner is indispensable in trimming up trees. Price, with—
 8-foot Handle\$1.00
 10-foot Handle 1.10
 12-foot Handle 1.25

THE LEVIN PRUNER

Cuts clean; does not mash the twig. No. 23 cuts $\frac{3}{4}$ inch. Price, 75c; post-paid, 85c.

PRUNING SAWS

Duplex.....18-inch, 80c; 20-inch, 85c
 California (curved blade) 75c

BRANCH SHEARS

Twenty-six inch\$1.00
 Forty-one inch 1.25

No. 12, with flat springs, 45c; postage, 15c.
 No. 14, with spiral springs, 60c; postage, 15c.

No. 4665, 9-inch California pattern; German make, black finish, polished blade, 75c; postage, 15c.

No. 4666, 9-inch, same pattern as 4665; bright finish, polished blade, spiral steel spring. Made for hard service. \$1.50; postage, 15c.

GARDEN TROWELS

First-class garden trowels with 6-inch steel shank, hardwood handle. Price, 20c; post-paid, 25c.

HAND CORN PLANTERS

These planters are a great success. They save seed, time and labor.

ROTARY CORN PLANTER

Decidedly the best hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn exactly where you want it, and at a proper depth. It is easily worked

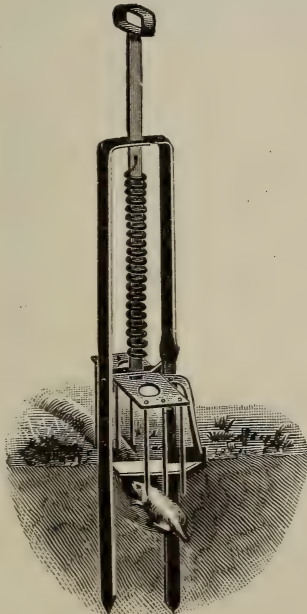
and a most satisfactory tool in every way. Price, \$1.50. Weight, 6 lbs.

KING OF THE FIELD

Has no objectionable features; is made of good material. Has iron seed box and iron channel; foot of polished steel. Strong, durable, and gives universal satisfaction.

Price, \$1.25. Weight, 5 lbs.

REDDICK MOLE TRAP

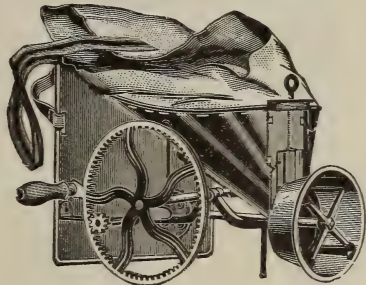


In the early part of the season the mole run shows above the ground, and all that is necessary is to press on the runway with the heel, closing it for a few inches, and set this trap directly straddle of the run. Full directions with each trap.

NO MOLE CAN PASS UNDER IT AND LIVE. These traps are strong and durable and worth the price to any one troubled with moles. Price, \$1.00.

BROADCAST SEED SOWERS

IMPROVED CAHOON



This is probably the most popular broadcast sower on market. They have a force feed, and throw the seed from 15 to 26 feet, according to weight.

Price, \$3.50.

LITTLE GIANT SEEDER



The most popular and best low-priced Hand Sower on the market.

Price, \$2.25 and \$1.50.

RAFFIA

1 lb., 25c; 5 lbs., \$1.00.

GRAFTING WAXAdd 1c per oz. if wanted by mail.
¼-lb. cake, 10c; ½-lb., 20c; lb., 40c.**OREGON MOSS**

For use in hanging baskets and packing trees, shrubs, plants, etc., for shipping. Price, 1 lb., 4c; 100 lbs., \$3.00. Special prices to those who buy in large lots.

TREE LABELSPainted\$1.00 per 1,000
Painted, wired 1.25 per 1,000
Unpainted85 per 1,000
Unpainted, wired 1.10 per 1,000**WEEDERS**

Diamond-shape steel blade with wood handle. Handy, strong and durable, 15c; post-paid, 25c.

Good Poultry Books, Etc.

All sent postpaid at list price.

"THE NEW AMERICAN STANDARD OF PERFECTION"—This is the book used as a guide in producing standard-bred or exhibiting fowls. It is published and copyrighted by the American Poultry Association, and is the only authorized guide for standard breeding. It is the book that poultry judges use at the poultry shows, and the book on which all comparison and score-card judging is based. It consists of over 200 pages, is durably bound in cloth, and the price, \$1.50 per copy, postpaid, is fixed by the publishers and the American Poultry Association. In this book will be found the name of every breed and variety of chickens, turkeys, ducks and geese, and a minute description of each variety, male and female, covering every section in both shape and feathering. We carry the "Standard of Perfection" in stock, and supply it, postpaid, at the established price. Every fancier should have this book, **\$1.50.****"THE HEN BUSINESS"**—From A to Z, being chapters from practical, every-day experience with poultry, covering a long period of years, by Mrs. May Taylor. The book has 20 chapters, each one of which may prove worth the price of the book to amateurs. Mrs. Taylor is a practical writer for the poultry press, and in this book has condensed the experience of a lifetime in poultry raising. **Price, 25 cents.****"INCUBATION AND ITS NATURAL LAWS"**—Written by Charles A. Cyphers. The best book of its kind ever written. **Price, 50 cents.****"LOW-COST POULTRY-HOUSES"**—A book of great practical value to every one who contemplates building a poultry-house. It contains plans and specifications, with cost of material, for structures worth from \$25 to \$100, also a chapter on fixtures and conveniences for the poultry-house. These plans are those of buildings in actual existence, and not imaginary air castles; 48 pages. **Price, 25 cents.****"AN EGG RECORD"**—Good for one year, with spaces for eggs collected, sold, set, price, etc. **Price, 25 cents.****"THE ART OF POULTRY BREEDING"**—By J. H. Davis. A book which combines the practical and scientific in poultry breeding, and treats the subjects of outcrossing, inbreeding, breeding to feather, crossbreeding, etc., enabling one to breed intelligently and for profit, 48 pages. **Price, 25 cents.****"FIVE HUNDRED QUESTIONS AND ANSWERS ON POULTRY KEEPING"**—A new edition (the fourth), making 23,000 copies that have been printed. It is "a mine of information," as the "Poultry Monthly" says, written in form of practical questions, authoritatively answered. Chapter I, Feed and Care; Chapter II, Diseases; Chapter III, Eggs; Chapter IV, Incubators and Incubation; Chapter V, Buildings; Chapter VI, Miscellaneous; Chapter VII, Turkeys, Ducks and Geese. **Price, 25 cents.****"UNCLE 'RASTUS ON POULTRY"**—Or the "Possum Creek Poultry Club," by J. H. Davis. A humorous book, written in pure negro dialect, but contains much common sense in its 14 chapters and 109 pages. The chapters on Score Cards and Judging, and the Chicken Business and Free Silver, are of unusual interest. Well illustrated. **Price, 25 cents.****"MUSHROOMS; HOW TO GROW THEM"**—By Wm. Falconer. This is the most practical work on the subject ever written, and the only book on growing mushrooms published in America. The author describes how he grows mushrooms, and now they are grown for produce by the most successful private growers. Engravings drawn from nature expressly for this work. **Price, postpaid, \$1.00.****"MUSHROOMS; HOW TO GROW THEM"**—A little book, but full of easily-understood directions, which, if followed, would enable every one to grow his own supply of mushrooms. **Price, 10 cents.****"PIGEON QUERIES"**—A book for pigeon fanciers and breeders, written in question and answer form. F. M. Gilbert has written a chapter for this book, entitled "The Pigeon from Shell to Show Room." A prominent fancier says: "It is indispensable to pigeon keepers. Its value is not measured by its cost." It has had a very large sale; three editions have been printed. Oftentimes a single practical answer to a question will be the means of saving a valuable bird, and much attention has been given to the treatment of diseases. **Price, 25 cents.**



“Gold Coin” Poultry and Stock Foods, Remedies, Etc.

This Tonic is just what the horseman needs to keep his team in good condition. Packages, 25c., 50c., 75c. and \$1.00 Pails, \$2.00 and \$3.50



Comes in large packages at 25c., 50c. and \$1.00.



“Gold Coin” Worm Powders, 50c.

MR. FARRIER BUYS “GOLD COIN TONICS” IN TON LOTS

GENTLEMEN: I wish to state that I bought 2,000 lbs. of your **Cattle Tonic** and also some of the **Hog Tonic**. I had about 100 head of cattle and about 200 head of hogs in the feed yard. I tried a ton of it and must say did not think there was any preparation put together that could possibly give the results your **Tonics** did on both cattle and hogs. I never had cattle do better and keep on an even feed and gain like this bunch. The finish it put on my cattle was far above my expectations. I am well pleased with results. I know that it has made me and saved me double the money. I have 104 head of cattle on feed now and 300 head of hogs, and have just bought another ton of your **Tonics**: **A. W. FARRIER, Menville, Ia.**

6 FEEDS FOR ONE CENT.

“Gold Coin” Colic Cure, 50c. package.

“Gold Coin” Lice Powder 25c., 50c. package.

“Gold Coin” Heave Cure, 50c.



“Gold Coin” Worm Powder, 50c.

“Gold Coin” Gall Cure, 25c and 50c.

“Gold Coin” Foot Remedy, 50c. and \$1.00.

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Special Offer: For \$1.00 you can select any 25 papers of our regular 5c. Garden and Flower packages, or you can select 12 papers for 50c. All postage paid.



THE SEED for the beautiful lawns at the A. Y. P. Exposition was furnished by us. ∴ Put up in quart packages at 25c. each; add 10c. for postage if wanted by mail.

Use our **ODORLESS LAWN FERTILIZER**
100 Pound Sack \$2.50. ∴ By the Pound, 3c.

SEEDS, POULTRY SUPPLIES
SPRAYERS, ETC.



Fertilizers and Planet Jr. Garden Tools