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247

1926

HIGH GRADE TESTED SEEDS

THAT GROW EVERYWHERE



OAKLEY PATE
SEED CO.
 MOBLIN, MO.

Where We Buy Our Seeds.

We strive to secure our Seeds from experienced, reliable growers, in the best producing sections. In buying direct from the grower, often a better quality is secured.

Our Guarantee and Responsibility.

There has been much said about seed dealers' responsibility of crops. We exercise all the care at our command in selecting the varieties and quality of seeds we buy; also in handling them after they reach us. It is our intention to know that every variety of seed sold by us will, under normal conditions, germinate to the satisfaction of the planting public.

We are willing for a purchaser to take sufficient quantity of any seed bought from us, test it his own way under any condition. Then if they are not satisfactory they may be returned at our expense and we will refund the full amount of the purchase price together with any carriers' charges.

HOWEVER, we do not guarantee crop from any SEEDS, BULBS or PLANTS sold. We cannot grow your crops, neither can we control weather conditions that influence their growth. If seeds are not accepted on these terms they are to be returned at once.

OAKLEY-PATE SEED CO.

New Parcel Post Rates.

based on DISTRICTS and ZONES. The DISTRICT includes office where mailed and the rural routes therefrom.

A DISTRICT RATE OF 7 CENTS for the first pound, and 1 cent for each additional two pounds or fraction thereof up to 70 lbs. (the district weight limit) is charged between points in this district.

First and Second Zones cover a radius of 200 miles from the point of mailing, having a weight limit of 70 pounds and a rate of 5 cents for the first pound, and 1 cent for each additional pound, or fraction thereof.

The Third Zone also has a weight limit of 70 pounds.

A weight limit of 50 pounds applies to the Fourth, Fifth, Sixth, Seventh, and Eighth Zones, with rates increasing with the distance. (See table.)

SIZE AND WEIGHT.—A Parcel Post package may weigh from 4 ounces to 70 pounds for the first, second and third zones—with a 50-pound weight limit for fourth to eighth zones, and must not exceed in size 84 inches in length and girth combined.

Four Ounces or less will be charged for at 1 cent per ounce or fraction thereof, except on Books, Seeds, Plants, Bulbs, etc., which are 1 cent for 2 ounces up to 8 ounces for any distance.

We have catalogued the weight of most items mailable by Parcel Post and, by reference to the table, you can always figure your postage.

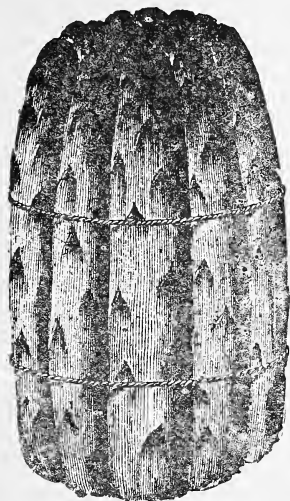
Parcel Post Rates Apply to Seeds, Plants and Books Weighing Over 8 ounces. Other four-class matter Over 4 lbs. Charged at Pound Rate.	First Pound or Fraction Thereof.	Each Additional Pound or Fraction.	
Local or District Rates—Japan Office and Rural Routes therefrom.....	\$0.07	½-cent	Wt. Limit 70 lbs.
1st Zone) up to and including a radius of 200 miles, from the point of mailing.....	.07	\$0.91	Wt. Limit 70 lbs.
2nd Zone).....	.08	.02	Wt. Limit 70 lbs.
3rd Zone).....	.08	.04	Wt. Limit 50 lbs.
4th Zone).....	.10	.06	Wt. Limit 50 lbs.
5th Zone).....	.11	.08	Wt. Limit 50 lbs.
6th Zone).....	.12	.10	Wt. Limit 50 lbs.
7th Zone).....	.12	.10	Wt. Limit 50 lbs.
8th Zone).....	.14	.12	Wt. Limit 50 lbs.

GARDEN SEEDS

NEW CROP GARDEN, FLOWER AND FIELD SEED.

Recleaned and Tested for Germination
and Purity

☞ Owing to market fluctuations, we reserve the right to change the prices quoted herein without notice.



ASPARAGUS

CULTURE—Asparagus succeeds well in any good, rich soil, but a light, warm soil which has been heavily manured for previous crops is best. To grow asparagus, soak seeds in warm water for 24 hours; sow two inches deep in drills two feet apart. When the plants are well up, thin out one inch apart, and give frequent and thorough cultivation. The roots can be transplanted, either at one or two years old, in the fall or spring.

CONOVER'S COLOSSAL—A standard variety of large size and delicious quality. Certainly one of the best grown. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

ASPARAGUS ROOTS—A saving of one to two years is effected by planting roots. We can supply strong two-year-olds, the proper size for planting. Doz., 25c; 100, \$1.75.

RHUBARB OR PIE PLANT

Rhubarb, also known as Pie Plant or Wine Plant, is the earliest Spring vegetable and is grown for its leaf stalks, which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, rich soil. Sow in drills

an inch deep and thin out the plants to six inches apart. In the Fall transplant into very highly manured and deeply stirred soil, setting them four feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom stalk appears, it should be cut back well into the ground, and the plant never allowed to exhaust itself by running to seed.

RHUBARB ROOTS—Three-year-old Subdivisions, per doz., \$1.25 postpaid; per 100, \$8.00, not prepaid.

RHUBARB SEED—Pkt., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

HORSERADISH ROOTS—Per doz., 25c postpaid; per 100, \$1.50, not prepaid.

ENDIVE

CULTURE—For an early crop, sow in April in drills 15 inches apart, and later thin the plants to stand 12 inches apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch. One ounce of seed will sow 150 feet of drill.

FINE GREEN CURLED—Hardest variety; the most desirable for home use or market garden. Deep green leaves, beautifully cut and curled easily; blanched. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

KALE OR BORECOLE

KALE, OR GERMAN GREENS, do not form heads, but furnish an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like Cabbage. Will endure considerable frost without injury. Dwarf Green Curled, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.35.

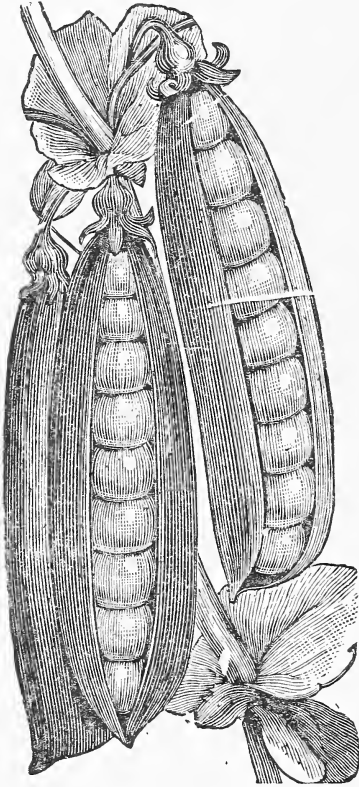
Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

GARDEN PEAS

Peas marked (*) are wrinkled. Do not plant Wrinkled Peas until soil is warm.

The smooth, or first, early varieties may be sown as soon as the ground can be worked in the spring.

Wrinkled or Sugar Peas should not be sown until the ground gets warm, as cold, wet ground will cause them to rot.



THOMAS LAXTON.

lb., 30c; 5 lbs., \$1.25 post-paid. 15 lbs., \$3.30, not post-paid.

*THOMAS LAXTON—A heavy and reliable cropper, bearing uniform, straight, square-ended, dark-green pods, containing 7 to 8 large, rich-flavored peas of a deep green color. 2 feet high. Pkt., 10c; lb., 30c; 5 lbs., \$1.25 post-paid. 15 lbs., \$3.00

*TELEPHONE—Extra large pods. Vine large, coarse leaves, height about 4 feet. The pods are very large and filled with immense peas. Tender, sweet, and of splendid quality and flavor. Pkt., 10c; lb., 30c; 3 lbs., 85c.
splendid quality and flavor. Pkt., 10c; lb., 30c; 5 lbs., \$1.15, post-paid. 15 lbs., \$3 not post-paid.

LARGE, WHITE MARROWFAT—The vines of this variety are about five feet high and of strong growth. The pods are large, long, cylindrical, surface somewhat roughened, light-colored and well-filled; seeds large, smooth, round, and light, creamy yellow. Pkt., 10c; lb., 25c; 5 lbs., \$1.00 post-paid. 15 lbs., \$2.70, not post-paid.

Special Prices to Market Gardeners in Large Quantities.

EARLY ALASKA—Extra early. The vines are of strong, vigorous habit and bear from four to seven pods that are always filled with medium size peas of the most delicious flavor. Height, 2 to 2½ feet. Lb., 25c; 5 lbs., \$1.10, postpaid. 15 lbs., \$3.00 not post-paid.

FIRST AND BEST—Mature in from 40 to 45 days after germination. The peas are of medium size, round, smooth, and of splendid flavor. The vines are very hardy and seed may be sown as soon as the soil becomes mellow. Height, 2 feet. Pkt., 10c; lb., 25c; 5 lbs., \$1.10, post-paid. 15 lbs., \$3.00 not post-paid.

*GRADUS—A standard, early, large-podded variety, very popular with Market Gardeners. Vine and foliage green and moderately heavy. Pods 3¾ inches long, slightly curved at the tip. Bears 6 to 8 large Sweet Peas of good quality. Height, 2½ feet; sow 1½ lbs. to 100 feet of row in drill. Pkt., 10c; lb., 30c; 5 lbs., \$1.25, post-paid. 15 lbs., \$3.45 not post-paid.

*NOTT'S EXCELSIOR—Foliage dark green and rather heavy, suggesting health and vigor. On good soil grows about one foot high. Pods one-third longer than American Wonder. Pods more often square than round. Pkt., 10c; lb., 30c; 5 lbs., \$1.25 post-paid. 15 lbs., \$3.45 not post-paid.

BURPEE'S LITTLE MARVE.—An extra fine Dwarf variety, pods large, containing 7 dark-green peas of splendid quality. Pkt., 10c;

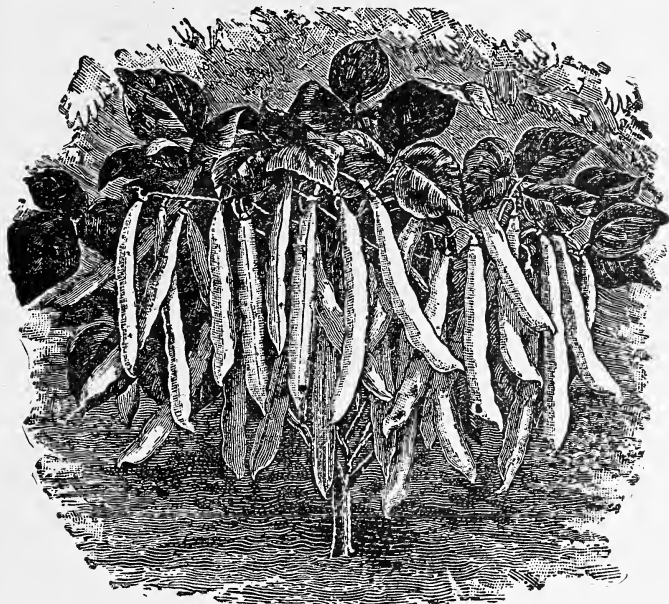
Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

BEANS—DWARF OR BUSH

CULTURE.—A succession of sowings can be made from the middle of March until September. These dates are for the latitude of Joplin. Plant in drills about two inches deep, and from 18 inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The seeds should be dropped

about two inches apart. If growing conditions are favorable, Bush variety will be ready to use six weeks from planting.

1 1/4 lbs. will plant 100 feet in drills or 150 hills; 10 lbs. to the acre, in drills.



CURRIER'S RUST-PROOF WAX.

WAX PODDED VARIETIES.

ROUND BLACK WAX—Very early and productive, pods are 5 1/2 to 6 inches long, round and straight; color, light yellow and attractive in market; has more or less fibre and string; seed black.

Grown largely by market gardeners because of its earliness and hardness. Pkt., 10c; 1 lb., 35c; 3 lbs., \$1.00.

OAKLEY - PATE'S STRINGLESS WAX BEAN—This is a wonderful variety, a prolific bearer of large golden yellow, truly RUST PROOF pods. It is stringless at all stages, and among the earliest varieties. Try them with your next planting. 1/4 lb., 15c; 1/2 lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

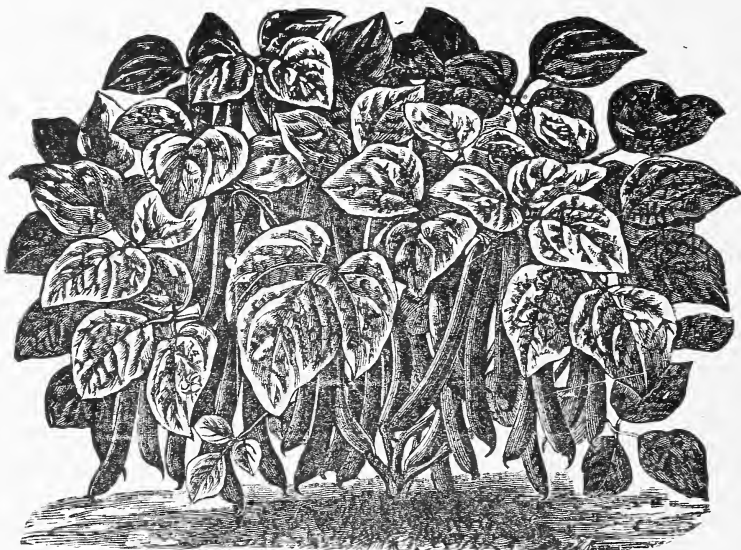
GOLDEN WAX. IMPROVED RUST-PROOF—Closely resembles Golden Wax, differing only in having a shorter, stouter and more straight, flat pod. Plant a trifle shorter and apparently not as productive as in the Old Style. The brown mottled seed is darker in color than Golden Wax. Pkt., 10c; lb., 30c; 3 lbs., 75c post-paid. 15 lbs., \$3.00 not post-paid.

GIANT STRINGLESS GREEN POD—Somewhat similar to Burpee's Stringless, but pod is a little longer, straighter and more slender, more depressed between beans and slightly lighter in color; early lbs., 35c; 5 lbs., \$1.50 post-paid. 15 lbs., \$3.00 not post-paid.

IMPROVED EARLY RED VALENTINE—A very hardy, early and productive standard sort. Pods 4 1/2 inches long, round and crease-backed, medium green, lbs., \$1.25 post-paid. 15 lbs., \$3.00 not post-paid.

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BEANS



OAKLEY-PATE'S FAVORITE GREEN POD BUNCH BEAN.

OAKLEY-PATE'S GREEN POD BUNCH BEAN—A popular sort in the South. Plant vigorous, hardy, mid-season and very productive. Pods extremely large, 6 to 7 inches long, very flat, irregular in shape, dark-green in color, exceptionally fine flavor, nearly stringless. Beans chocolate-brown... Pkt., 10c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.50 post-paid. 15 lbs., \$3.75 not post-paid.

NAVY BEANS.

Should form a part of everyone's supplies. They are easily raised and will do well on moderately thin soil. A normal yield is about 20 lbs. for each pound planted. Pkt., 10c; lb., 25c; 5 lbs., \$1.00 post-paid. 30 lbs., \$5.00 not post-paid.

**USE FERTILIZER
ON YOUR BEANS
AND GET
BIGGER RESULTS**

DWARF OR BUSH LIMAS.

BURPEE'S IMPROVED BUSH—Both beans and pods larger than the old type; average one more bean to the pod; beans larger and thicker than in the old form. Pkt., 10c; 1 lb., 45c; 3 lbs., \$1.75.

FORDHOOK BUSH—A most excellent variety and exceedingly popular with market gardeners. Pods about 5 inches long, containing 4 to 5 large oval-shaped, very thick, white beans. Pkt., 15c; 1 lb., 40c; 3 lbs., \$1.10.

HENDERSON'S BUSH—A vigorous, hardy, very early and small type of Bush Lima; much in favor with canners. Pods small, about 3 inches long, containing three to four small, flat, white beans of good quality. Pkt., 10c; lb., 30c; 3 lbs., 75c post-paid. 15 lbs., \$3.00 not post-paid.

Protect Your Fruit and Shrubs from Disease and Insects by Using the
Proper Spraying Materials—We Have It.

BEANS—POLE OR RUNNING.

CULTURE—These are more tender, and require more care than the Bush Beans, and should be sown two weeks later. They succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from 3 to 4 feet apart. From five to six seeds are planted in each hill about 2 inches deep. As the matured bean is used mostly, the season is too short for succession crops. The season of growth is often from March to November. Poles about 7 or 8 feet high should be used for Pole Beans to climb on.

One lb. to 100 hills; 30 lbs. to the acre in drills.

BURGER'S GREEN POD, OR WHITE KENTUCKY WONDER—A very early, white seeded variety of German origin. Pods 6 to 7 inches long, round, slender, and straight; very tender, fleshy and stringless, splendid quality; color dark-green. Pkt., 15c; 1 lb., 40c; 3 lbs., \$1.10.

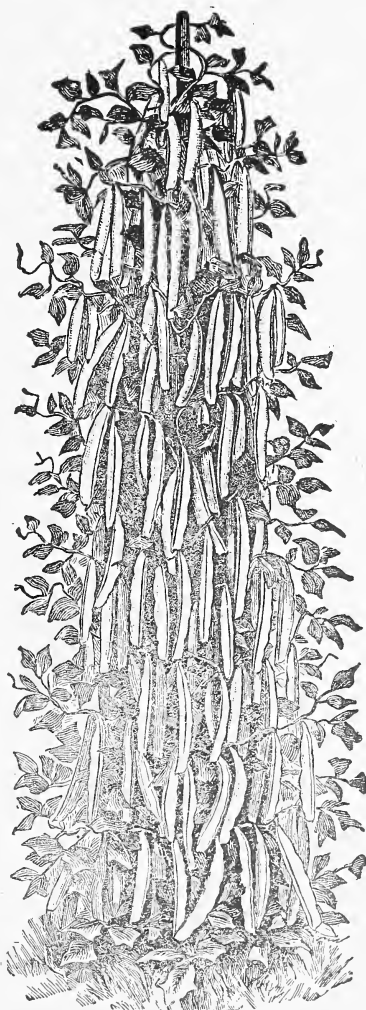
KENTUCKY WONDER, OR OLD HOMESTEAD—The most popular, green-podded climbing, or corn-hill bean; early and productive. Pods 8 to 9 inches long, very slender, decidedly curved, slightly stringy, tender, and good quality. Pkt., 10c; 1 lb., 35c; 5 lbs., \$1.50 post-paid. 15 lbs., \$3.00 not post-paid.

KENTUCKY WONDER WAX—One of the earliest of the pale wax sorts. Pods 8 to 9 inches long, thick, decidedly crease-backed, very fleshy, brittle, but stringy, attractive and fair quality; color, light yellow. Pkt., 15c; 1 lb., 40c.

LAZY WIFE—A late, productive, standard sort. Pods 5 to 6 inches long, broad, straight and flat, stringless, very fleshy, brittle, fine grained, attractive and excellent quality. Color medium green; dry beans, round and white. Pkt., 10c; 1 lb., 35c; 5 lbs., \$1.50 post-paid.

RED SPECKLED, CUT-SHORT OR CORN-HILL. A well-known, hardy, late and productive sort. Pods 3½ to four inches long, stout, straight and flat; stringy, fine-grained and fair quality; color light-green. Pkt., 10c; 1 lb., 35c; 3 lbs., 90c post-paid. 15 lbs., \$3.00 not post-paid.

WHITE DUTCH CASEKNIFE—Green snap pods, 7 to 8 inches in length, very straight and flat, stringy, brittle and of fair quality; mid-season; best as a shell bean. Beans very flat and ivory white. Pkt., 10c; 1 lb., 35c; 5 lbs., \$1.50 post-paid.



**KENTUCKY WONDER POLE BEAN
POLE LIMAS.**

FORD'S MAMMOTH PODDED—An exceedingly productive, large-seeded, fine quality Lima. Beans a trifle thicker than Large White Lima and maturing about the same time. Pkt., 15c; 1 lb., 40c; 3 lbs., \$1.10.

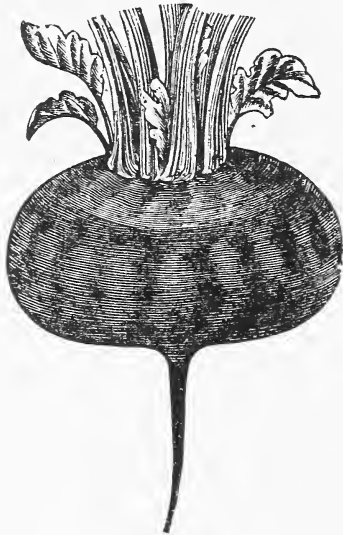
KING OF THE GARDEN—An improved strain of Large White Lima; pods about an inch longer, proportionately wider and uniformly four seeded. Pkt., 10c; 1 lb., 40c; 5 lbs., \$1.75 post-paid.

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GARDEN BEETS

Beets grow best in moderately rich, light loam. Sow the seed as soon as the ground becomes fit to work, in drills 18 inches apart, 1 inch deep.

OAKLEY-PATE SEED CO.'S CRIMSON GLOBE—The root is of medium size, generally about three inches in diameter, very handsome in shape, being a little deeper than round, with a remarkably smooth surface. It has a very small taproot. Dark leaves are small and borne on slender stems. The interior color is very deep crimson, but is ringed or zoned in a most beautiful manner. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.



CROSBY'S EGYPTIAN.

leaves. These leaves are carried on broad, thick stalks, about 12 inches long. Take the leafy portions of the plant and cook like spinach. Prepare the stalks as you would asparagus. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c; 3 lbs., \$1.75.

CROSBY'S EGYPTIAN—This beet is perfect in shape, and deepest red, almost black, in color. Equally good for early bunching as well as the fall market. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

DETROIT DARK RED—Its small top, early maturing and splendid shape and color have made it a favorite. Top small upright growing, so that the rows may be close together; leaf, stem and veins dark red, blade green; root globular, and very smooth; color of skin dark blood-red; flesh deep bright red, zoned with a darker shade; very crisp, tender and sweet, remaining so for a long time. Uniform in shape, color and quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY ECLIPSE—One of the best of the table Beets. Has small tops and is smooth, fine-grained and tender. Color, bright red, sometimes with lighter zones. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

EARLY BLOOD TURNIP—The old standard. A good summer and autumn variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., \$1.00; 5 lbs., \$4.50.

SWISS CHARD—The plants grow from 2 to 2 $\frac{1}{2}$ feet tall and consist when fully developed of about a dozen creamy white, attractively curled

STOCK AND SUGAR BEETS

MANGEL OR SUGAR BEETS.—Two Ounces Required for 100 Feet of Row. Culture.—Mangels or sugar beets should be soaked in water before planting. An ounce will sow a 50-foot drill; 7 pounds will seed an acre. Produces crop within fifty to seventy days, according to variety. Every farmer should grow these for stock-feeding. Plant the same as other beets and thin out, leaving one plant every 8 or 10 inches apart.

MAMMOTH PRIZE LONG RED.—Dark red and grows very large. Good for deep, loamy soils, producing immense crops. 1 oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 60c; 5 lbs., \$2.00, post-paid.

HALF SUGAR MANGEL FOR STOCK FEEDING.—Giant Feeding Sugar Beet or Half Sugar Mangel. Desirable for stock feeding, affording not only a large crop much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar. The roots are light bronze green above ground, grayish-white below, with white flesh. On account of growing partly out of the ground and the long, ovoid shape, the crop can be harvested and stored easily and at less expense than any other root crop. 1 oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 65c; 5 lbs., \$2.50 post-paid.

EARLY AND LATE CABBAGE

CULTURE—Cabbage requires deep, rich, mellow soil, and good culture, to obtain firm, solid heads. For early use, plant in a box in the house, the last of January or early in February; transplant into open ground in April. For second early cabbage, sow in April and transplant in May. One ounce of seed produces 2,500 plants.

EARLY VARIETIES.

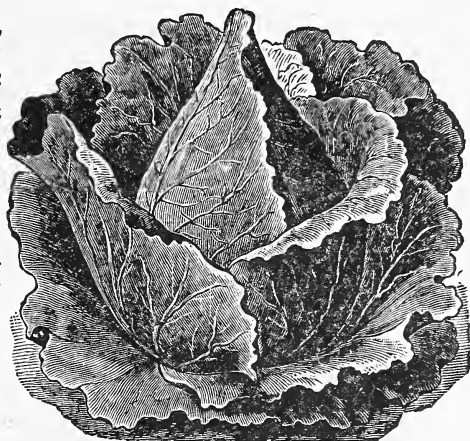
EARLY JERSEY WAKEFIELD—Small pointed heads, very popular on account of its extreme earliness. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

EARLY FLAT DUTCH—One of the most reliable medium-early varieties. Makes large, flat, solid heads. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

COPENHAGEN MARKET—A new early, round-headed variety; very large, round, solid heads, often weighing ten to twelve lbs. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

HENDERSON'S EARLY SUMMER—A splendid sort, coming in just after the Wakefield. Makes large, fine, round heads. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

CHARLESTON WAKEFIELD—A selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, and grows much larger. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.



WAKEFIELD.

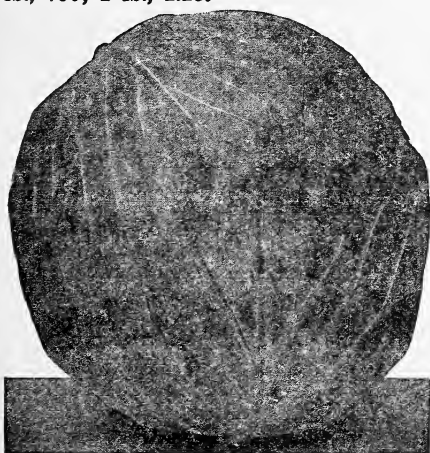
LATE VARIETIES.

DANISH BALL-HEAD OR HOLJANDER—The perfect Cabbage for the North or South. Our stock of Danish Ball-Head is grown in Denmark, and we offer it to our customers with rare confidence, because we know it to be true type, genuine seed of absolute purity and highest standard of quality. One of the greatest Winter Cabbages grown, rapidly displacing many other good varieties. Produces large, ball-shaped heads, solid and firm. Possesses remarkable keeping qualities and ranks high in favor with the market gardener. Pkt., 10c; 1 oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00, post-paid.

LATE FLAT DUTCH—An old variety, but well and favorably known for its good keeping qualities; extensively used in making kraut... Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

GOLDEN ACRE—This is the earliest and best of the round varieties. It has the shape and good quality of the Copenhagen Market, but is even earlier and exceedingly uniform in shape. Gardeners will find this splendid new cabbage a profitable variety to grow for the early market. We have the originator's stock. Pkt., 25c; 1 oz., \$1.00; ¼ lb., \$3.50.

COLLARDS—Another plant belonging to the Cabbage family, used for GREENS ONLY, thriving under extreme heat; grown extensively in the South. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.20.



COPENHAGEN MARKET

Cabbage sprayed with one oz. Salt Peter, dissolved in three gallons of water, will kill the GREEN WORMS.

CELERY



CULTURE—Seed should be sown in April in a hotbed or boxes, filled with mellow loam, and covered with about one-eighth inch of fine soil or sand, pressing it down firmly. Keep the soil moist constantly. When plants are fairly out of seed leaf, transplant or thin out 2 or 3 inches apart. Plant into the open ground the last of July.

GOLDEN SELF-BLANCHING — The stalks are much broader, grown from imported stock, and heavier than those of the white varieties, and greatly superior in quality. It is ready for use as early as any other sort. Stalks are crisp, tender and free from stringiness. Pkt., 10c; oz., 25c; ¼ lb., 75c.

GIANT PASHAL—Very large, often stands freezes which completely kill other varieties. Pkt., 10c; oz., 20c; ¼ lb., 60c.

WHITE PLUME—One of the most desirable varieties for either home or market use. It self-blanches beautifully, stalks crisp and of delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c.

CELERIAC OR TURNIP-ROOTED CELERY—Grown exclusively for its roots, which, when cooked, sliced and used with vinegar, make a fine salad. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

TABLE CARROTS

IMPROVED LONG ORANGE—An improved and pure strain, producing roots of the largest size and superior quality. Color a deep orange, fleshy, very tender. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

DANVER'S HALF LONG—A rich red smooth and handsome, producing large crops. Tops are of medium size and coarsely divided. Roots taper to a blunt point. Flesh sweet, crisp and tender. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

CHANTENAY—Very productive, medium early, of excellent quality. Uni-

formly half or stump rooted, but tapering slightly; orange red; crisp and tender. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

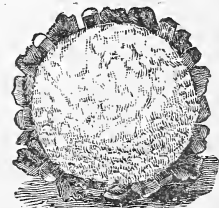
LONG, WHITE BELGIAN—This variety is grown almost entirely for stock feeding; roots about 16 inches long and very thick, growing nearly one-third above the ground; green above the ground and white below. An ounce will sow 100 feet of row. Oz., 10c; ¼ lb., 25c; lb., 75c; 3 lbs., \$2.00.

CAULIFLOWER

Cauliflower delights in a rich, moist soil and in dry seasons, should be abundantly watered, especially when heading. Sow the seed early in the hotbed and transplant two to three inches apart in boxes or in another hotbed until such time as they are safe to be planted in the open ground, which, in this latitude, is usually the first of April.

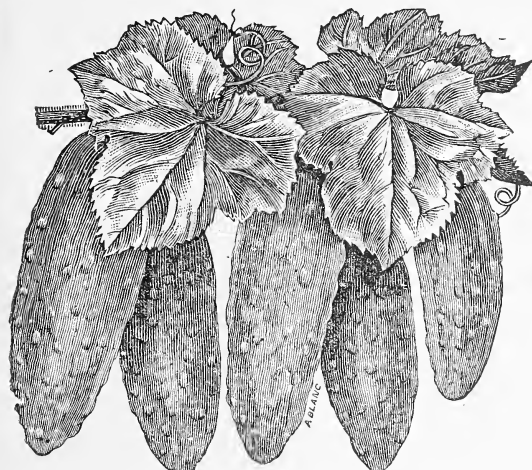
EARLY SNOWBALL—Produces large white heads in a very short time. Al-

ways tender and sweet. Pkt., 20c; ½ oz., \$1.00; oz., \$1.75.



CUCUMBERS

CULTURE—Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows four feet apart, 10 to 15 seeds to each hill; make soil very rich. For pickles, plant from June first to middle of July.



EVERBEARING.

EVERBEARING—Wonderfully prolific. Bears continually the entire season. Blossoms and cucumbers at all stages of growth are found on the same vine. The cucumbers will average about five inches in length and are of good form and color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

IMPROVED LONG GREEN—Vine is vigorous and productive. The fruits are very long, slender and of uniformly dark-green color. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.

EARLY GREEN CLUSTER—This is a short variety of a pale green color, which matures very early, is an excellent forcing kind. It is rather prickly and contains but few seeds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

DAVIS PERFECT—On account of its being such a strong grower, it is able to resist the cucumber disease. It is early as the earliest strain of White Spine. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

SMALL GHERKIN—(For Pickles.—A very small, oval, prickly-fruited sort, quite distinct from all others, and grown exclusively for pickles. Should always be picked when young and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EARLY WHITE SPINE—Very prolific—early, of good size, straight, well-formed and full at both ends. The fruit is from six to eight inches long and two to three inches in diameter, with flesh of

SUPERIOR DARK GREEN—In our estimation, this is the best cucumber grown. It can be aptly described as the perfect cucumber. The fruits are a glossy dark green. It is equally good as a pickle cucumber or for slicing for table use. The flesh is solid, tender and of excellent quality at all stages of growth. It has very prolific bearing fruits, of even size all through the season. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

KLONDIKE—A medium early, white spined cucumber of handsome, very dark-green color. The vines are very hardy and productive. The fruits when mature are about eight inches long, and uniform in size and shape. Color, dark-green, slightly striped at the ends. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

excellent flavor, white, clear, crisp and very tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

OKRA OR GUMBO

This is an annual from the West Indies cultivated for its green seed pods, which are used in soups. When young and tender, the pods may be sliced and strung on a thread and hung in the shade to cure. Like many other dried vegetables, it can be used any time. Sow the seed shallow and thinly in rows two feet apart. After the plants are up, thin to nine inches apart and cultivate like potatoes; $1\frac{1}{2}$ oz. will plant 100 feet.

WHITE VELVET—Plants tall. Pods long, thick, round and smooth. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

DWARF GREEN—Plants three to four feet high, a very early productive green-podded variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

LONG GREEN—Pods long, green and ribbed—a tall growing variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

We grow our own Cabbage, Tomato, Pepper and Sweet Potato Plants.

If the insects eat your Garden, Shrubs or Trees, write or telephone us. We have a remedy!

LETTUCE



PRIZE HEAD—Mammoth heads; even the outer leaves are crisp and tender; light-green, tinged with brownish red; superb flavor, very hardy; fine for home use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

SELECTED GRAND RAPIDS—Especially adapted for greenhouse culture in winter; also a good Lettuce to sow outside early in the Spring for family use. Grand Rapids does not form a head, but makes large bunches of light, attractively curled leaves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BLACK-SEEDED SIMPSON—Is very popular among market gardeners, and fine for the home table. Forms a large, loose head. Its nearly white, curly leaves are large, thin, very tender and of good quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

EARLY CURLED SIMPSON—A leading early sort, does not head, but forms a compact mass of curly leaves of yellowish-green. Matures early, generally grown in cold frames and as an early crop. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

IMPROVED HANSON—One of the best for growing during the hot summer months. The large heads weigh sometimes two or three pounds. They are tender, crisp and fine flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

CELERY LETTUCE, TRIANON COS—This variety is the finest of the Cos or blanching sorts. The long, narrow leaves which form solid heads, like Early Jersey Wakefield Cabbages, blanch and become snowy white. Excels in quality and crispness. The leaves, when blanched, are stiff like celery, and can be eaten in the same manner. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

MUSTARD

OSTRICH PLUME—Leaves are finely cut and densely curled, resembling wavy ostrich plumes. Quick growth and mild flavor. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

CHINESE GIANT—The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

GIANT SOUTHERN CURLED—Grows about 2 feet in height, with very dark, large, green leaves, the edges of which are finely curled. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

EGG PLANT

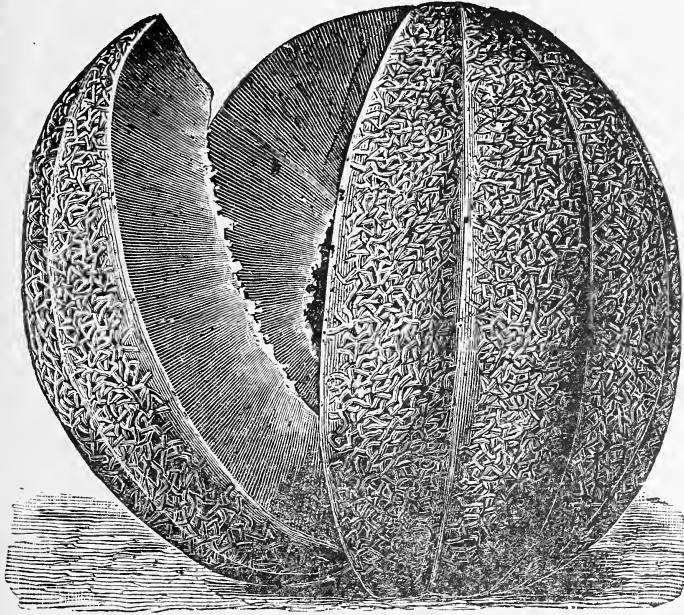
BLACK BEAUTY, LARGE PURPLE.—The standard variety everywhere. The eggs come early, are of large size, regular oval shape, and a fine, deep purple in color. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

MAIL ORDERS

should always be accompanied with the full amount of the purchase price. At prices quoted in this catalogue, we prepay postage on Garden and Flower Seeds, also Bulbs, within the Fifth Zone Only.

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

MUSKMELON OR CANTALOUPE



CHAMPION MARKET.

OAKLEY - PATE SEED CO.'S CHAMPION MARKET — Champion Market is one of the sweetest and most luscious green - fleshed Cantaloupes. Distinctly ribbed and thickly netted; color of skin, green; vines are of luxuriant and vigorous growth, yielding bountifully.... Pkt. 10c; oz., 15c; ¼ lb., 45c; lb., 1.25.

RUST RESISTANT ROCKY-FORD — This is the highest development yet attained in the Rocky Ford Cantaloupe, both in netting and rust-resistant qualities. The meat is light-green and very deep; it is

highly rust resistant. It yields a heavy crop, continuing long in bearing. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

We are introducing a NEW and IMPROVED strain of the ROCKY FORD Cantaloupe known as Pollocks 10-25. This melon is recommended very highly and we would like to see every one of our customers try a nacket this season. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25; 5 lbs., \$5.00.

TIP-TOP—Tip-Top in quality, Tip-Top in appearance. Tip-Top in productiveness. Sweet, juicy, finest flavor, firm-fleshed, and eatable to the outside coating. Fruit of large size, salmon in color; nearly round, evenly ribbed, moderately netted. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00; 5 lbs., \$4.50.

HONEY DEW MUSKMELON—A delicious New Melon, sweet as honey. The average size is about six inches in diameter, and they weigh five to six pounds. The skin is smooth with little netting, and of creamy yellow when ripe. The flesh is a beautiful green next to the outside rind, shading to light green at the center. The Honey Dew is not easily

bruised and stands shipping long distances. It is very prolific, crops of 8,000 to 10,000 melons per acre having been reported. It is easily pulled from the vine when fully ripe. Pkt. 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

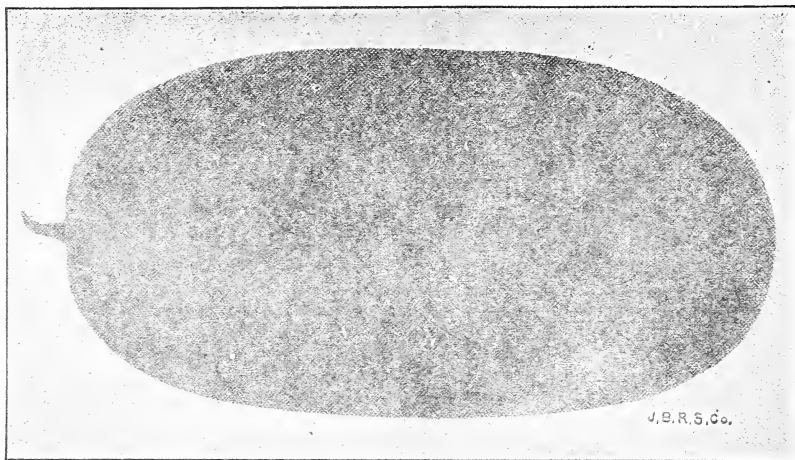
LARGE HACKENSACK—Fruit large, round, flattened at the ends, deeply and irregularly ribbed, and heavily netted; flesh green, thick and of fine quality. Pkt., 10c; oz., 15c; ¼ lb., 45c.

BANANA—Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon color, and of only fair quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

OSAGE OR MELBERS CREAM—A rather large, main crop, oval melon of very superior quality; slightly ribbed and well covered with a shallow gray netting;; flesh rich orange-salmon, exceedingly thick, with a small seed cavity. One of the very best melons grown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

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WATERMELONS



OAKLEY-PATE'S NEW DELIGHT.

OAKLEY-PATE'S NEW DELIGHT—

We believe this is one of the best melons of recent introduction. On good soil will grow 2 to 2½ feet long, 10 to 12 inches in diameter, varying in weight from 20 to 30 pounds. Very thin, light-gray mottled rind. Sweet, deep crimson, luscious meat with white seed. A good shipping variety as well as for home use. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

IRISH GRAY.—The newest Georgia Melon. A splendid table or shipping melon. Large size, greenish-gray in color. Bids fair to outrank the Tom Watson and other favorite varieties. Oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.50.

IMPROVED TOM WATSON.—These seeds are grown under special care. The Tom Watson is extensively planted by large shippers. Fruit large, long, dark-green, thick rind; rich red, sweet meat; very tender and juicy. Single melons often weigh 40 to 50 lbs.,

NEW WINTERMELON—A Long Keeping Watermelon—Not a Citron.—Sweet, luscious watermelon for your Thanksgiving dinner from your own garden. The fruits are of medium size, round, pale yellow when ripening. Flesh bright red, crystalline, sweet as honey. Seeds very small, black. Take fruits from field before frost and store in cool cellar. They will keep in perfect condition at least 60 days. Price, postpaid: Pkt., 10c; oz., 25c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00.

WELL-KNOWN STANDARD VARIETIES.

Improved Tom Watson, Kleckley's Sweet, Halbert's Honey, Florida Favorite—Any of these well-known standard varieties, oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs. \$3.25.

THE NEW CHILEAN — Has the sweetest meat and thinnest rind of any melon we know. It is dark red inside, never gets tough, stringy or mealy. Grows to be about 12 inches in diameter each way—almost round. Being an early variety and heavy bearer makes it a profitable one to raise. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

GOLDEN HONEY—A beautiful, golden, yellow meat, very tender. It is medium early, of uniform large size, oblong shape. The rind is light-green, with mottled stripes. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

HALBERT'S HONEY—This is one of the best of all melons. Large, oblong, dark-green; very crisp, thin rind; sweet, red-meat and white-seeded.

FLORIDA FAVORITE—Medium size, oblong shape, light-green; red meat, white seed. Early. A good market variety.

KLECKLEY'S SWEET—Very much like Halbert's Honey, except that the rind is tougher and will stand shipping better.

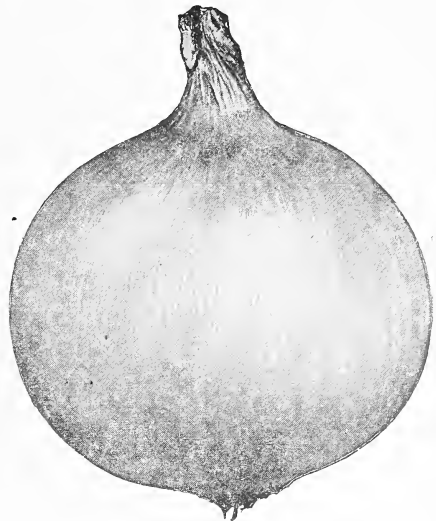
ONION SEED

LARGE RED WETHERFIELD—The largest, most uniform and heaviest yielder, and one of the best keeping of all the red onions; skin deep purplish red; form round, somewhat flattened; flesh purplish white. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25; 5 lbs., \$10.00.

SOUTHPORT WHITE GLOBE—The flesh is firm, fine-grained, quite mild in flavor, and is more attractive than the colored sorts when cooked. Bulbs globe shaped, full at the shoulder, rounded at the base, keep well and are desirable for shipping. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$2.70.

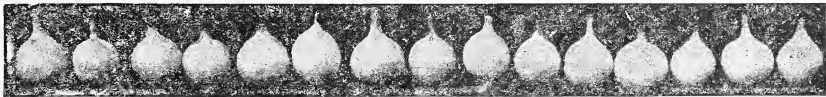
YELLOW GLOBE DANVERS ONION—Quite early, globular in shape, entirely free from thick necks. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., 1.80.

SOUTHPORT RED GLOBE — The bulbs are remarkably uniform in shape, of a rich, red color. They ripen early, are solid, good keeper, their beautiful appearance insures a ready market. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.



YELLOW GLOBE DANVER

YELLOW GLOBE DANVER.—A very hardy variety and a good winter keeper, fine grained, mild. The outside skin is a rich yellow, while the flesh is white. Oz., 25c; ¼ lb., 75c; lb., \$2.25.

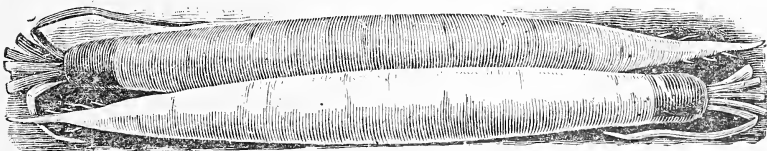


ONION SETS—Red or Yellow bottom sets—one lb., 15c; 10 lbs., \$1.25, postpaid. One bushel, shipper's expense, \$3.00.

White bottom sets—15c per lb. straight postpaid. One bushel at shipper's expense, \$3.50.

BERMUDA ONION PLANTS—From four to six inches high; will make large onions in June.

Sweeter than other onions, and good yielders; in demand by all dealers. 100, 20c; 1 000 \$1.25; 6,000, a crate, not prepaid, \$6.50.



SALSIFY OR OYSTER PLANT.

Sow early, in drills 18 inches apart. One ounce of seed will sow 50 feet of drill.

MAMMOTH SANDWICH ISLAND—Grows very large, resembling good-sized parsnips; well flavored, mild. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

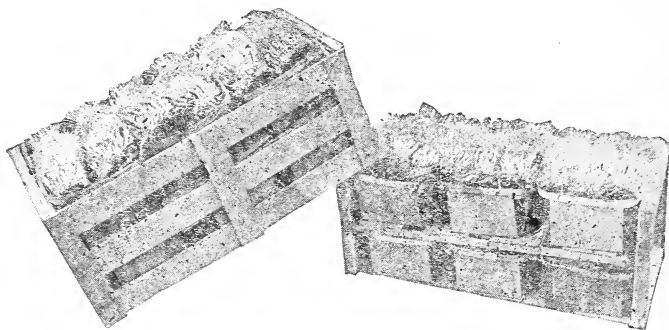
SPINACH.

BLOOMSDALE—Highly popular with market gardeners. A crop of this weighs much heavier than any other variety. It grows very quickly. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.00.

KING OF DENMARK.—A long-season Spinach of recent introduction. Large leaves of good color, remaining longer. Oz., 10c; ¼ lb., 25c; lb., 50c; 10 lbs., 40c lb.

BERMUDA ONION PLANTS

Grown on the Banks of the Rio Grande, Where the Best
Bermuda Grows.

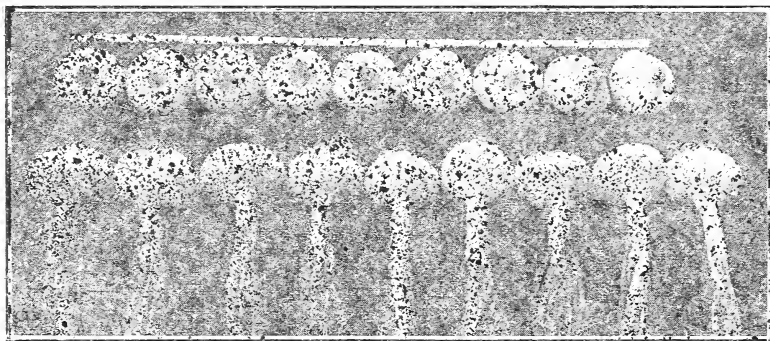


For home use, there is no onion that will equal the Bermuda for mildness, flavor and productiveness.

For commercial purposes, it brings a premium over all other varieties; matures quicker from the plants, and yields more.

200, 35c; 1,000, \$1.35; post-paid.

A crate of 6,000, at purchaser's expense—\$6.50.

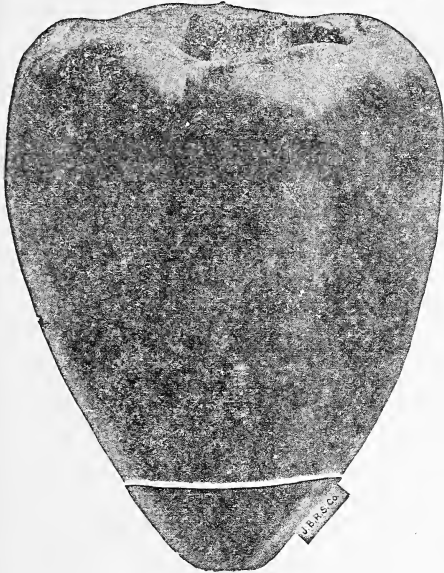


BERMUDA ONION SEED

Yellow Bermuda Onion Seed..... Oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

FINE PEPPERS



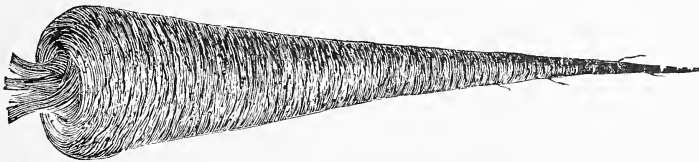
PIMENTO PEPPERS.

RUBY KING—The old standby. Peppers 3 to 4 inches in diameter, of mild flavor, very desirable for mangoes. Pkt., 10c; half oz., 25c; oz., 40c; ¼ lb., \$1.25.

CHINESE GIANT—Its mammoth size and splendid shape, beautiful, rich, glossy flesh, and mild flavor, all lead us to speak of it in words of commendation. Its strong, bushy plants, which are literally loaded with the splendid, large fruits begin bearing quite early and continue to bear throughout the season. Has few seeds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$4.70.

PERFECTION "PIMENTO"—The hull or meat is from two to three times as thick as that of the bell types, hence yields about twice as much. Pkt., 10c; oz., 50c; ¼ lb., \$1.35; lb., \$5.00.

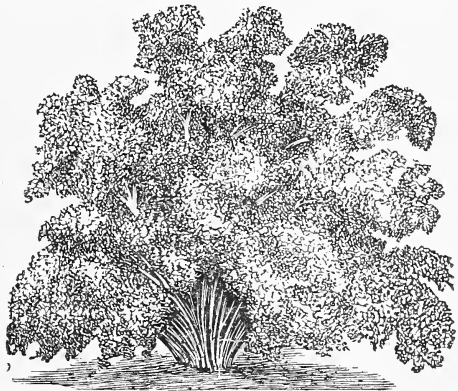
PARSNIPS



LARGE SUGAR, OR HOLLOW CROWN—Smooth, white skin, uniform in shape, tender and of the best quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

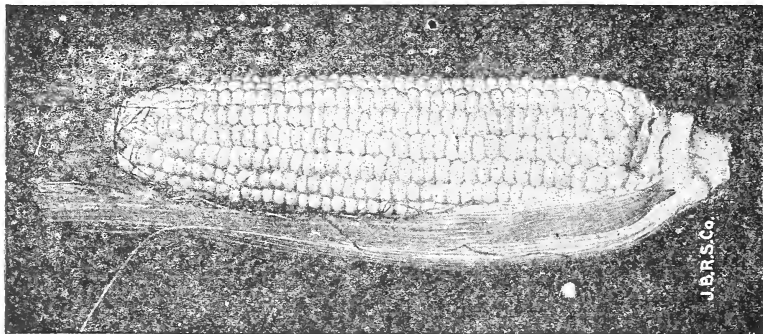
PARSLEY

CHAMPION, MOSS CURLED — A handsome variety of quick, robust growth, forming compact, ornamental plants; densely furnished with strong-stemmed, graceful leaves, finely-cut, most beautifully curled and of that brilliant emerald green color so highly attractive when used for garnishing. Oz., 10c; ¼ lb., 30c; 1 lb., 75c.



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SWEET OR SUGAR CORN



HOWLING MOB.

The Sugar in Sweet Corn causes it to ferment and rot when planted deep in cold, wet ground. Wait until the oak leaves are as large as squirrel's ears, then plant about an inch deep.

HOWLING MOB—In developing this Corn, the originator aimed to secure a large ear early in the season, and, at the same time, possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth, four and one-half to five feet in height, have abundant foliage, and generally produce two fine ears to a stalk. Ears seven to nine inches in length, with twelve or fourteen rows of good-sized, pearly-white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms. Pkt., 15c; lb., 25c; 3 lbs., 65c; 10 lbs., \$1.85.

MAMMOTH LATE SUGAR—Produces larger ears than any other sugar corn, and of good quality; rich and very sweet. Pkt., 10c; lb., 25c; 3 lbs., 60c; 10 lbs., \$1.75.

EARLY ADAMS—An excellent early field variety used for table. Ears about eight inches long, 12 or 14 rowed; kernels white, rounded, somewhat deeper than broad, and indented at the outer end, which is whiter and less transparent than the inner. Pkt., 10c; lb., 20c; 3 lbs., 45c; 10 lbs., \$1.35.

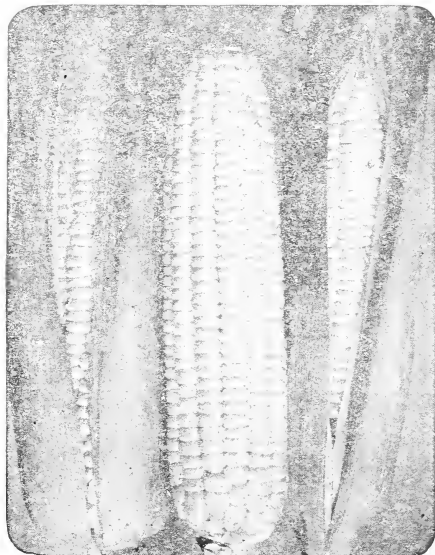
GOLDEN BANTAM—A very early sweet corn, with golden yellow grain, tender and of excellent quality. Ears six to seven inches long. Pkt., 10c; lb., 25c; 3 lbs., 60c; 10 lbs., \$1.75.

SWEETHEART SUGAR CORN—Absolutely the Whitest and Sweetest Main Crop Sugar Corn. The ears are large, measuring 8 to 9 inches, with ten or more rows of plump, pure, white kernels that are of most delicious flavor. Stalks

tall, broad-leaved and strong; medium early. Pkt., 10c; lb., 25c; 3 lbs., 60c; 10 lbs., \$1.75.

COUNTRY GENTLEMAN—This variety has a small white cob, densely covered with irregular rows of long, slender, white grains of excellent quality. Pkt., 10c; lb., 30c; 3 lbs., 75c; 10 lbs., \$2.00.

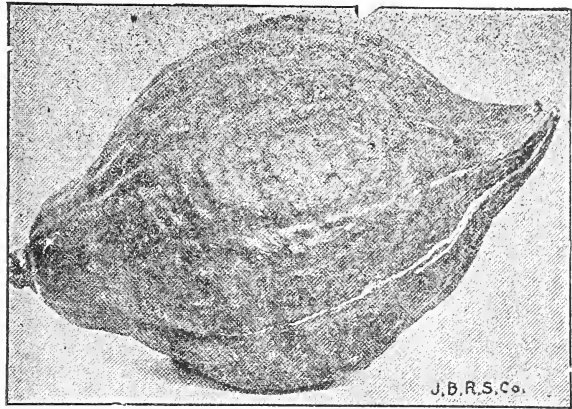
STOWELL'S EVERGREEN—A favorite with canners and market gardeners, for late use and especially for the kitchen garden. Ears large, kernels, very deep, tender and of most delicious sweetness; very productive. Pkt., 10c; lb., 25c; 3 lbs., 70c; 10 lbs., \$2.00.



SQUASHES

WARTED HUBBARD—

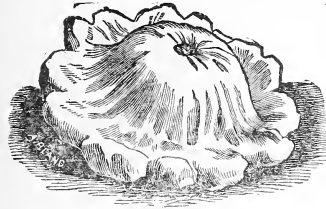
Vines vigorous and very productive. Fruit large, heavy, moderately warted, with very hard shell; skin uniformly dark bronze-green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



J. B. R. S. Co.

SUMMER CROOKNECK

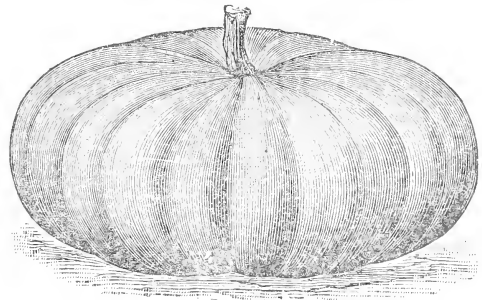
—Of a dwarf, bushy habit, and very productive; bears early and all Summer; true crookneck type; rich, golden yellow color; thickly warted. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



HUBBARD SQUASH

EARLY WHITE BUSH SCALLOP.—The white “Pattypan” or “Cymling,” as it is called in the South. A very early and continuous bearer. Ships well. Color, light cream. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

FINE PUMPKINS



GENUINE MAMMOTH OR TRUE POTIRON—King of the Mammoths, Jumbo Pumpkins. The skin is of salmon-orange color; the flesh thick, bright yellow, fine-grained and of good quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

STRIPED CUSHAW—Distinct mottled green, white striped. Fruit solid, average 15 to 25 pounds. Flesh yellow, fine grained, sweet. Oz., 15c; ¼ lb., 45c; lb. \$1.35.

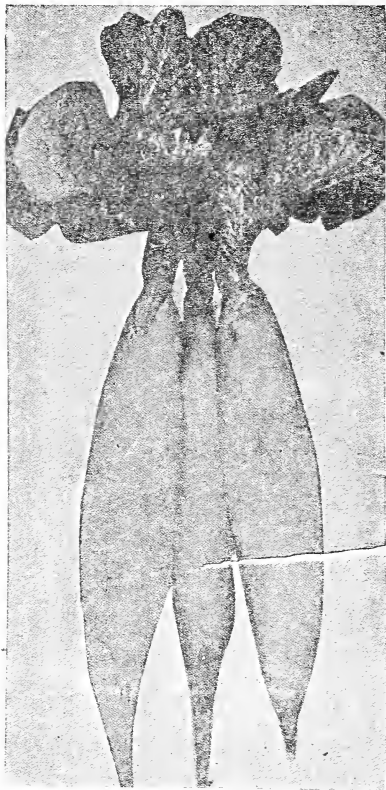
LARGE SWEET, OR KENTUCKY FIELD—Large, round, flattened, hardy and productive. 1 to 2 feet in diameter. It has thick flesh, of extra fine quality. Oz., 10c; ¼ lb., 25c; 1 lb., 65c; 3 lbs., \$1.75.

TENNESSEE SWEET POTATO—Medium-sized, pear-shaped; striped white and green; thick flesh and of good flavor. Oz., 10c; ¼ lb., 30c; lb., 75c.

LARGE SWEET CHEESE—Shape flat, skin mottled light green and yellow. Oz., 10c; ¼ lb., 30c; lb., 75c.

SMALL SWEET OR SUGAR PUMPKIN—Used for making pies and canning. Orange yellow, fine grained and VERY SWEET. Oz., 10c; ¼ lb., 35c; lb., \$1.00.

RADISH SEED



ICICLE RADISH

WHITE ICICLE—A very early, tender, crisp, long, white radish; ready to use about 21 days after planting. Oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; 3 lbs., \$2.10.

EARLY SAXA—A forcing variety for indoor planting; has been produced ready for market in 18 days. Round, red, crisp, and good flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

EARLY SCARLET TURNIP, White Tip—Round shape, and flesh pure-white, and, as a result of its quick growth, very crisp, mild and tender. Pkt., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; 5 lbs., \$3.00.

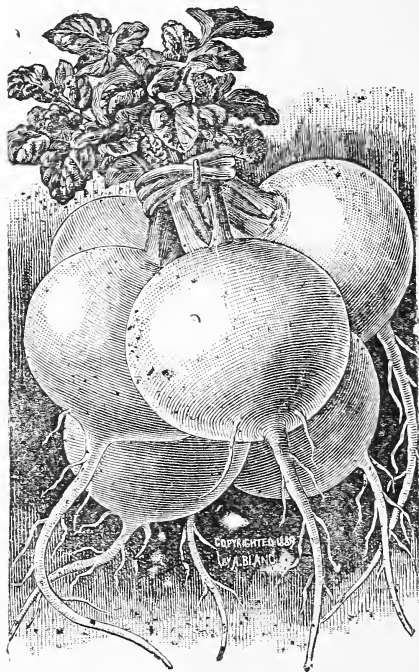
CRIMSON GLOBE—Large, medium early, globe-shaped, crimson radish; does not get pithy as soon as some early varieties. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

FRENCH BREAKFAST—Half long, scarlet, white-tipped—a favorite among high-class eating houses. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

LONG BRIGHT SCARLET—Of course it's red—just a good, old-fashioned kind. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; 3 lbs., \$2.00.

CRIMSON GIANT—Large, oblong, and red, mid-season; will grow larger and stay in the ground longer before getting pithy than any other radish we know. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

CHARTIER—A summer variety, with bright red skin; grows long and large; does not get pithy quickly. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.



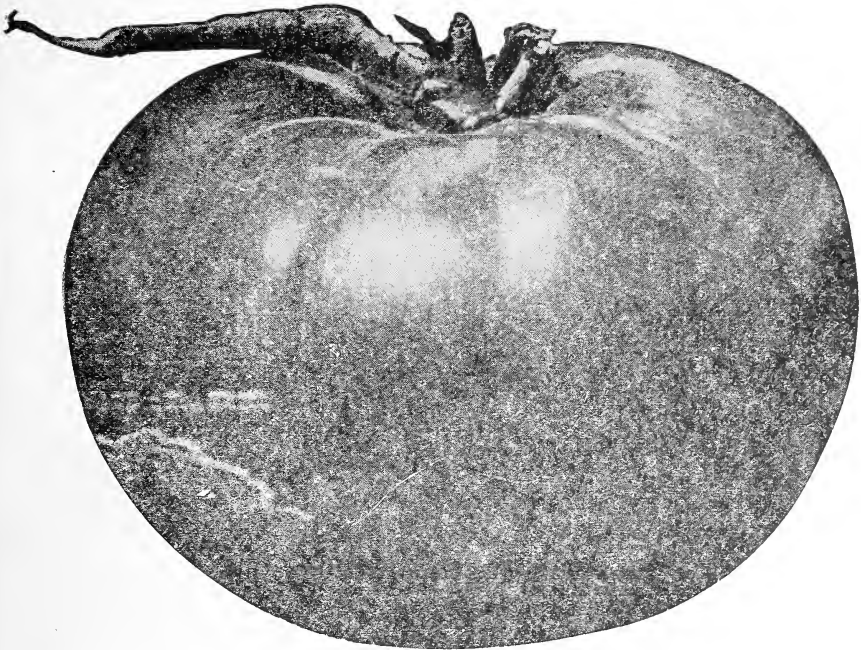
CRIMSON GLOBE

WINTER RADISHES

May be sown in rows or broadcast, from July until September. They can be put away like turnips, and will keep sweet and crisp all winter. We have three varieties.

LONG BLACK SPANISH, MAMMOTH CALIFORNIA WHITE, AND CHINA ROSE—Oz., 10c.; $\frac{1}{4}$ lb., 30c; lb., 90c.; 3 lbs., \$2.25.

TOMATOES



BURPEE'S DWARF GIANT was originated by crossing the Dwarf Champion Tomato with the Ponderosa, making a tree variety. It is the largest of its kind. We have seen single specimens weigh 32 ounces. Besides being large, it is solid, having both small seed cavities and seeds. The dark, pink color is retained throughout the fleshy part of the tomato. Dwarf Giant plants are very vigorous, with dark-green foliage, ripening about ten days earlier than the Ponderosa, and continuing to bear until frost. Pkt., 15c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 70c; 1 oz., \$1.20.

SPARKS EARLIANA—The vines are small, but vigorous and productive; the fruit is bright scarlet, medium to large, nearly round and exceptionally smooth. The tomatoes are borne in clusters at the base of the plant. The bulk of the crop ripens very early. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 1.10; lb., \$3.50.

JUNE PINK—In habit of growth, productiveness, and size of fruit, identical with Earliana, differing only in having purple fruit. The best extra early purple-fruited variety. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.10; lb., \$3.50.

DWARF CHAMPION—Its stiff, upright stocks are so sturdy as to hold the fruit well above the soil. It is earlier than large sorts. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.75.

EARLY DETROIT—This splendid variety is the largest and best of the early purplish-pink tomatoes. The vines are

vigorous and very productive. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Early Detroit is one of the most valuable shipping tomatoes yet produced. It is also desirable for the home garden and near markets. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

BONNIE BEST—A new, but very popular variety, both for home use and market; fruit medium large, round, red, smooth and solid. Try a packet with your next order. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

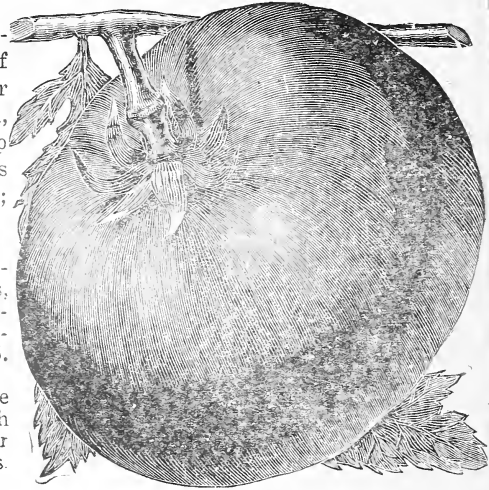
PONDOROSA—Our seed is genuine, true stock. This is the largest and one of the most popular of all tomatoes. The vines are of strong growth; fruits oblong in form and generally ridged or ribbed; deep purple in color. They are solidly fleshy, with small seed cells; of fine flavor. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

TOMATOES—(Continued)

NEW STONE—This is the most popular of all varieties, for canning; some of the canneries will not buy any other kind. The New Stone is large, round, smooth, red, and solid. It is a main crop variety, bearing heavily until frost kills the vines. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25.

SMALL FRUITED TOMATOES—Excellent for preserves, pickles and pies, etc. Red Cherry, Yellow Plum, Red Pear-Shaped, Yellow Cherry, Yellow Pear-Shaped. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

GOLDEN QUEEN—The fruit is large and smooth, bright, golden-yellow, with a blush of red inside when cut; superior in flavor to many of the red varieties. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.10.



The Burbank Tomato

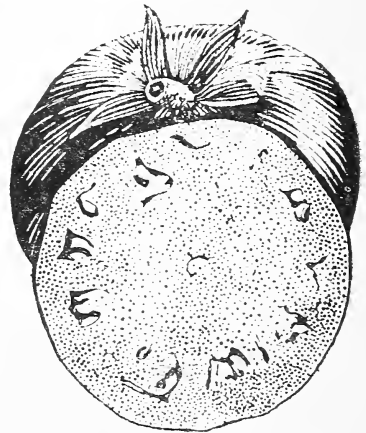
Luther Burbank's Marvelous New Creation

The following is Mr. Burbank's personal introductory claims:

The Earliest Tomato in the World,
The "Burbank."

"By far the earliest, smoothest, solidest, most productive, and best of all early tomatoes; resists wilt and other tomato diseases better than most others. The 'Burbank' is so much earlier than other tomatoes that from the seed of the tomatoes which ripened here in June, a second crop has been again and again grown and ripened the same season, something probably never before known. This extreme earliness means millions of dollars to America tomato growers, as one-half of the tomatoes grown in the United States, even in California, are taken by frost instead of by the grower.

"Fruit, bright crimson; thick, solid, heavy, smooth, firm, medium to large in size, superior quality, unusually heavy and continuous bearer through the season; best keeper and shipper. The 'Burbank' has one other unique and most remarkable quality which will be appreciat-



THE BURBANK TOMATO

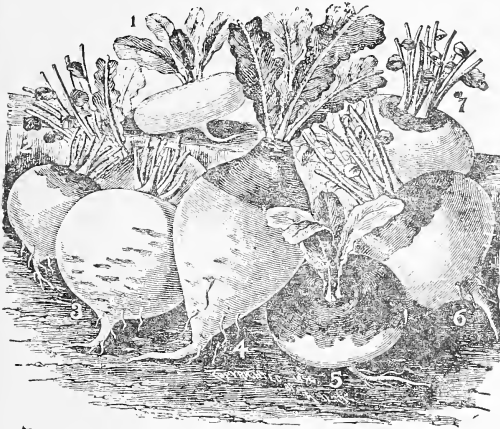
Pkts. of about 200 seeds.....15c

ed by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, the skin peels freely from the rich, firm flesh."

Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$2.55.

TURNIPS

SPRING AND SUMMER VARIETIES.



EXTRA EARLY PURPLE TOP MILAN—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright, purple top; leaves few, short and light color; grows compact and makes exceedingly small strap-leaved top. Oz., 10c; ¼ lb., 25c; lb., 65c; 5 lbs., \$2.75.

WHITE EGG—An early, oval or egg-shaped variety with smooth, clear, white roots of medium size, which grow half out of the ground. The tops are small, with leaves distinctly cut. The flesh is clear, white, firm, fine, and sweet. The roots of this quick-growing garden sort, when in best condition for use, are usually about two inches in diameter and about three and one-half inches long. Oz., 10c; ¼ lb., 25c; lb., 75c; 3 lbs., \$2.00.

PURPLE TOP STRAP LEAF—A well-known variety, either for family or market use; large size, white-purple above ground; flesh fine-grained; grows quickly and is as good for winter use or late planting as it is early. Oz., 10c; ¼ lb., 30c; lb., 75c; 5 lbs., \$2.50.

RED TOP WHITE GLOBE—One of the handsomest and most profitable Turnips, unsurpassed for either home or market use. It is a large, rapid-growing sort, with globe-shaped roots, purple at the top and white underneath. It is of the same character and habit as the Purple Top Flat, but, owing to its great size, will produce twice as much to the acre. Oz., 10c; ¼ lb., 30c; lb., 70c; 5 lbs., \$3.25.

AMBER GLOBE—A medium-sized, round, late-maturing, yellow-fleshed Turnip. The roots are yellow with purple top. The flesh is pale yellow in color, of very firm texture, approaching the Rutabaga in this regard, but tender and sweet. The variety is hardy, productive and especially valuable for stock feeding. Unequaled for its long keeping qualities and, therefore, particularly desirable for late winter and spring use. Oz., 10c; ¼ lb., 25c; lb., 70c; 5 lbs., \$3.25.

KOHL RABI

CULTURE—For early use, sow in hotbed, transplant and cultivate like Early Cabbage. For winter use, plant the middle of June or first of July, outdoors, in rows 18 inches apart, transplanting or thinning out to 8 inches apart in the rows. One ounce of seed sows 200 feet of drill.

EARLY WHITE VIENNA—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

EARLY PURPLE VIENNA—Same in every respect as the Early White Vienna except in color. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.



Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

VEGETABLE PLANTS

CABBAGE, TOMATO, CAULIFLOWER, MANGO, AND EGG-PLANT.

Our plants are good size, strong and hardy, having been started early indoors, in order to be of good planting size for early setting.

After having attained sufficient size, they are put outside to be hardened off. This prepares them both in size and toughness to withstand the sudden changes of early spring.

We grow only the best varieties adapted to this climate, any of which we can recommend, though sometimes we are out of a certain variety that might be ordered. For this reason we kindly ask that a second choice be made in ordering plants where there is more than one variety mentioned.

EARLY CABBAGE PLANTS.

Henderson's Early Summer.
Copenhagen Market.
Early Jersey Wakefield.

LATE CABBAGE PLANTS.

Late Flat Dutch.
Drumhead or Hollander.
Copenhagen Market.

(For description of cabbage, see page 10)

25 Plants—40c.
50 Plants—60c.
100 Plants—\$1.00—Postpaid.
Will be ready after March 15th.

CAULIFLOWER — Henderson's Early Summer.

25 for 40c; 50 for 60c; 100 for \$1.10.
After March 15th.

EGG-PLANT—Black Beauty or New York Spineless.

25 for 45c.
50 for 75c.
100 for \$1.25.
Postpaid.
Ready after April 15th.

(See description on page 10.)

EARLY TOMATOES.

THE BURBANK, 25 for 40c; 100 lbs., \$1.25.
Earliana.
June Pink.
Dwarf Champion (Tree).
Early Detroit.

MAIN CROP VARIETIES.

The New Stone.
Pondorosa.
Bonnie Best.
Livingston's Beauty.
Burpee's Dwarf Giant.

(See description on Pages 18 and 19.)

25 Plants—40c.
50 Plants—60c.
100 Plants—\$1.00.
Will be ready after March 25th.

MANGOES.

Chinese Giant.
Ruby King.
Pimentos.
Long Red-Hot Peppers.
25 for 45c.
50 for 75c.
100 for \$1.25. Postpaid.
After April 15th.

(See description on page 14.)

SWEET POTATO PLANTS

PORTO RICO

100—50c.
1,000—\$4.00.
3,000—\$11.00.

NANCY HALL.

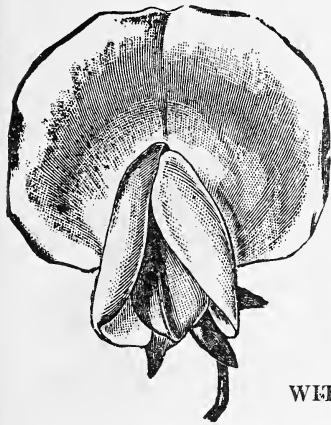
100—45c.
1,000—\$3.50.
3,000—\$10.00.

RED BERMUDA.

100—50c.
1,000—\$3.50.
3,000—\$10.00.

Postpaid within the Fifth Zone.

The above prices on plants include postage within the fifth zone. Special prices for large quantities on application.



A Descriptive List of Choice Flower Seeds

WITH GENERAL DIRECTIONS FOR CULTIVATION.

MOST flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest-colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched.

Cultural directions are given on the packets, and we urge purchasers to study them carefully. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four to six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

Plants are usually divided into three classes: Annuals, Biennials, and Perennials. Annuals are plants which normally live but a single season. Biennials are plants living two years; particularly those which do not bear flowers and fruit until the second season. Perennials tend to live from year to year.

ALL FLOWER SEEDS SENT POSTPAID ON RECEIPT OF PRICE.

SWEET PEAS

RAINBOW MIXTURE OF SWEET PEAS—Is all the name implies. In making this blende, it was our intention to have all the colors of the rainbow. There are many of the newest and rarest of the Spencer varieties; also the best grandifloras. In all, there are more than fifty varieties and colors. We heartily recommend these to all lovers of Sweet Peas. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.35.

SPENCER SWEET PEA MIXTURE—This special mixture of Giant Spencer Sweet Peas is made from separate sorts, giving our customers the cream of the Spencers in all colors, including many of the latest varieties, as well as superb seedlings of exquisite colors and shades. The vigorous plants produce extremely large flowers, most beautifully waved and frilled, on long and erect stems. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

SPENCER'S NAMED VARIETIES AND SEPARATE COLORS.

- | | |
|--|---|
| BARBARA —Salmon Pink. | HERCULES —Pale, rosy pink of giant size. |
| KING EDWARD 7th —The best pure red. | KING WHITE —Gigantic flowers of pure white. |
| ROYAL PURPLE —A rich purple. | STERLING STENT —Deep Salmon. |
| ASTHA OHN —A soft pinkish lavender. | DOBBIES CREAM —A distinctly-fluted primrose. |

¼ oz. of any of the above varieties. 15c; oz., 50c;

CHOICE FLOWER SEEDS (Continued)

MEXICANUM COERULEUM—Beautiful lavender, eighteen inches high. Pkt., 5c; $\frac{1}{8}$ oz., 10c.

ALBUM—White. Pkt., 5c; $\frac{1}{8}$ oz. 10c.

SWEET ALYSSUM—Little Gem, snow white, six inches tall; good for borders.

LILAC QUEEN—Gold Dust. Pkts. each, 10c; $\frac{1}{8}$ oz., 15c.

AMARANTHUS—Tri-Colored.

JOSEPH'S COAT.

CAUDATUS (Love Lies Bleeding). Red. Pkts., 10c; $\frac{1}{8}$ oz., 15c.

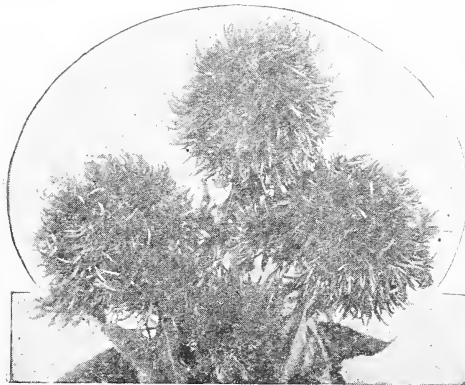
ANTIRRHINUM (Snap Dragon)—A new strain, having long spikes; large, fragrant, gorgeous-colored flowers, easily raised. Semi-Tall and Majus Grandiflorum, tall, mixed colors. Pkts., 10c; $\frac{1}{8}$ oz., 20c.

BALSAM-(Oakley-Pate's Special Mixture)—An old favorite garden flower, producing masses of double, brilliant blossoms; with plenty of water they will thrive under extreme heat. Pkt., 15c; $\frac{1}{8}$ oz., 25c.

DOUBLE ROSE AND CAMELIA FLOWERED—Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

DELPHINIUM (Annual Larkspur)—Effective in borders or when planted among shrubs. Sow seed in open border in early Spring or late Fall, so germination may take place early. Giant Hyacinth Flowered Mixed—resembles flowers of the Hyacinth; delicate colors. Pkt., 5c; $\frac{1}{8}$ oz., 15c.

CANDITUFT—Plants of fine, compact growth, ranging in color from Rose, Salmon, Coral, Pink, Delicate Pink to Lilac and Purple Crimson. Valuable for borders and cutting. Pkt., 10c; $\frac{1}{4}$ oz., 25c.



CHINESE WOOL FLOWER.

THE ROYAL ASTER—Makes beautiful beds of large, early flowers. Try one; Pkt. 10c



Oakley-Pate's Large Early-Flowering Aster.

ASTERS

The most popular of all annual flowers and justly so. Valuable for garden decorations or cutting. A hardy annual that should be started early. Plant in rich soil and water freely.

OAKLEY-PATE'S LARGE EARLY FLOWERING ASTERS—Mixed, Pkt., 15c; 2 pkts., 25c.

KING ASTER—Flowers large, petals long, narrow and curled; mixed, all colors. Pkt., 10c.

GIANT CREGO—Immensely large flowers, borne on long stems; desirable for cut flowers. Pkt., 19c; $\frac{1}{8}$ oz., 25c.

CALENDULA (Pot Marigold)—Grows in any good garden soil, producing a fine effect in beds or mixed borders; particularly bright in late fall; blooms until frost.

OFFICINALIS — (Orange King)—Mixed. all colors, for perennial borders. Pkt., 5c; $\frac{1}{8}$ oz., 15c.

CALLIOPSIS—Very graceful plants of elegant, showy flowers; long stems, thrive on any soil, double mixed, all colors. Pkt., 5c; $\frac{1}{8}$ oz., 15c.

CHINESE WOOL FLOWER (Celosia Childsii)—Plants grow two to three feet high, bloom starting early with a central head, round and globular. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals, with small heads of bloom, mixed with green foliage. They resemble an immense bouquet.

Pkt—15c.

CHOICE FLOWER SEEDS (Continued)

OAKLEY-PATE'S MIXTURE OF GIANT FLOWERING PANSIES—
Pkt., 15c; 1/8 oz., 60c; 1/2 oz., \$2.

CHICAGO PARKS BEDDING—
Great diversity of colors, free flok-
ering, blossoms slightly smaller
than the Giant sorts. Pkt., 10c;
1/8 oz., 40c; 1/4 oz., 60c.

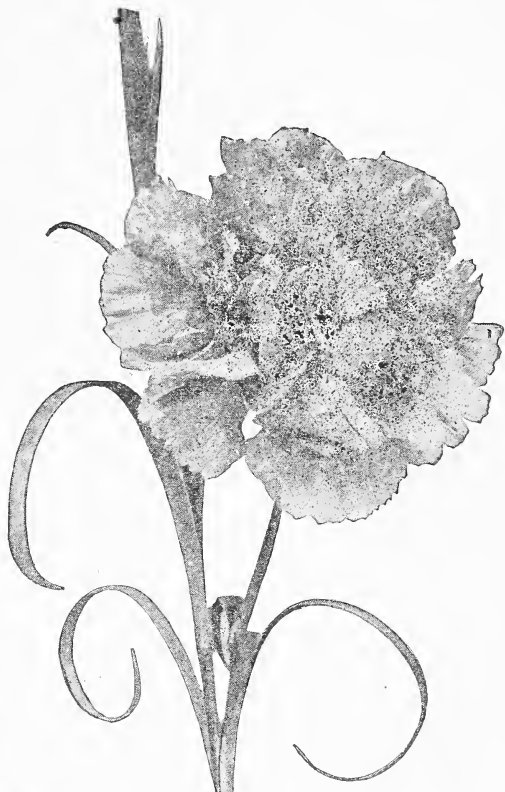
VERBENIA (Hybridia Gigantea)
—A wonderful mixture of large
flowering varieties. They are, as
the name implies, gigantic with
white eyes. The red is particular-
ly attractive. Pkt., 10c; 1/8 oz.,
35c.

Dwarf Hybridia Mixed—Pkt.,
10c 1/8 oz., 25c.

Italian Striped—Pkt., 10c.

Pansy Plants—Mixed, all colors.
Good, strong plants; will bloom in
March and April. Per doz., 75c; 3
doz. for \$2; postpaid.

ZINNIA—New Giant Flowered
Colossal, three feet high. The flow-



**OAKLEY-PATE'S CHOICE MIXED
MARGARET CARNATION**

Oakley-Pate's Margaret Carnation is al-
ways in demand and easy to grow. They
have a vast variety of delicately-colored,
fragrant flowers; will blossom in four
months after seeding and continue until cold
weather kills them. Pkt., 10c; 1/8 oz., 25c.

White, Orange, Violet, Yellow, Scarlet,
Purple, Pink Shades, Flesh Color.

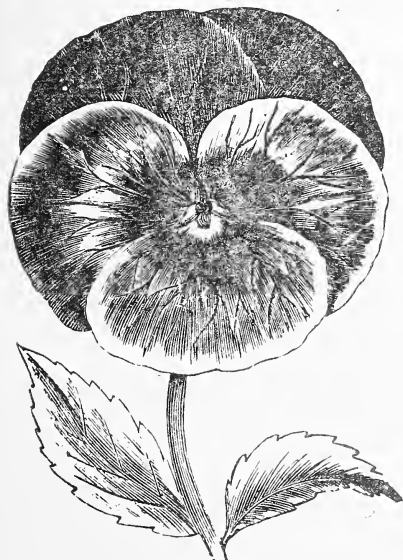
Pkts. of any of the above separate colors,
10c; 1/8 oz., 25c.

One pkt. each of 8 different colors, 65c.

DOUBLE CURLED AND CRESTED—
Petals twisted and curved into most grace-
ful forms. They have all the brilliant shades
of colors. Pkt., 10c; 1/4 oz., 25c.

LITTLE RED RIDING HOOD—Compact
form and covered the entire season with lit-
tle button-like, intense scarlet flowers, not
more than one inch across. Highly effective
for border plants. Pkt., 10c.

Dahlia Flowered Zennias—Pkt., 15c.



PANSIES.

ers are of enormous size, thickly
set with velvet petals. Plants are
healthy, vigorous, branching freely.
They are excellent for groups and
cutting. Mixed, all coolrs. Pkt., 10c.

CHOICE FLOWER SEEDS (Continued)

PHLOX DRUMMONDII—

The Phloxes are the showiest and easiest raised of all annuals. All the tints of the rainbow are represented, with all possible variations of stripes, veins and eyes of contrasting shades. Sow as soon as danger of frost is over. Fine Mixed—Pkt., 10c; $\frac{1}{8}$ oz., 20c.

STAR OF QUEBLING BURG (Star Phlox)—Mixed colors. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

CECELIA MIXED—All colors. Flowers of immense size, the coloring very bright. Nearly all the flowers display a white eye. Pkt., 15c; $\frac{1}{8}$ oz., 25c.

CENTHUREA CAYANUS—(Bachelor Buttons)—Known as Ragged Sailor or Corn Flower. Re-seeds itself. Single, mixed colors. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

Double Mixed Colors—Pkt., 10c; $\frac{1}{4}$ oz., 20c.

CENTAUREA IMPERIALIS (Giant Sweet Sulton)—

This class is undoubtedly the finest of all Sweet Sulton for cut flower purposes. Beautiful, sweet-scented blossoms, borne on long, strong stems. Double mixed, all colors. Pkt., 5c; $\frac{1}{8}$ oz., 15c.

CHRYSANTHEMUM—Double flowering varieties, dwarf re-selected strains, of compact habit; fine double flowers for borders and bedding. Special mixture, Pkt., 10c; $\frac{1}{2}$ oz., 25c.

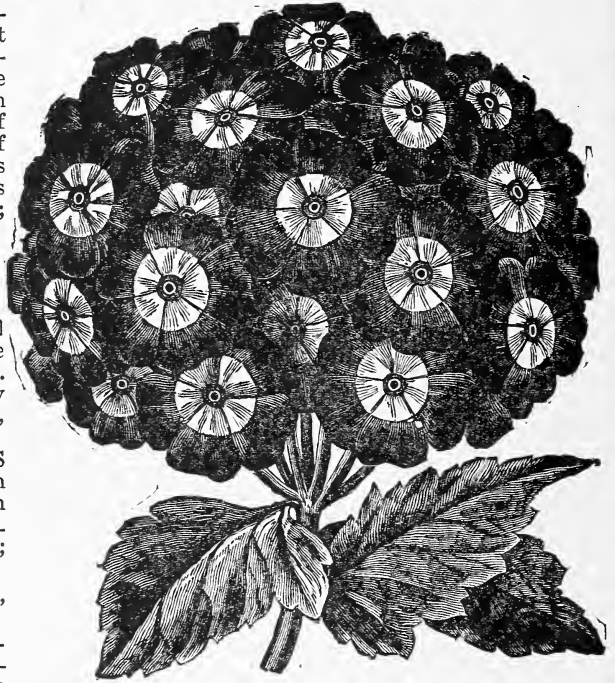
COLEUS—The handsomest foliage plant grown from seed. Heart-shaped, and handsomely crimped, toothed and frilled leaf; mammoth rainbow mixture of remarkable, rich colors, and combination of colors. Pkt., 20c.

COSMOS—4 to 6 feet. This beautiful annual is one of the most showy plants. Very husky, long-stemmed flowers, resembling single Dahlias; foliage finely cut. Early Mammoth Flowering Mixed, all colors. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Late or Giant Flowering Mixed—Pkt., 5c; $\frac{1}{4}$ oz., 15c.

KLONDIKE—A very gorgeous yellow. Pkt., 10c.

Double, Crowned and Crested—Pkt., 15c.



PHLOX DRUMMONDII

NASTURTIUM

One of the most popular early flowering annuals; can be grown anywhere except in the shade. They make splendid bouquets, grow on any kind of soil. The tall variety makes a good covering for fences, walls, trellises, old stumps, porch boxes or hanging baskets. The dwarf variety may be planted in beds or along walks and driveways.

Oakley-Pate's Mixture is made from the best field-grown separate colors.

Tall or Dwarf Mixed, Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

GOMPHRENA (Globe Amaranth)—A showy annual everlasting, with clover-like heads. Mixed, all colors. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

HELICHRYSUM (Straw Flower)—Ornamental when growing, but used for winter decoration and vases. Flowers intended for drying should be cut when partially unfolded, and suspended upside down in a cool place. Mixed, all colors—Pkt., 5c; $\frac{1}{8}$ oz., 10c.

DAHLIA SEED—Double Cactus Flowering Mixed. Pkt., 15c. Show or fancy sorts, double mixed, Pkt., 15c.

CHOICE FLOWER SEEDS (Continued)

ESCHOLTZIA (Calf Poppy)—A bright, free-flowering plant, with finely-cut, silvery foliage. The poppy-like flowers in shades of yellow, orange, and crimson, are produced from early Spring until frost. Single mixed, Pkt., 5c; double mixed, Pkt., 10c.

GAILLARDIA (Blanket Flower)—Produces brilliant red and yellow flowers from early Spring to late Fall. Sow in a permanent bed. Lorenziana Double Perfection Mixed—Pkt., 5c.

OAKLEY-PATE'S Special Mixture—Selections of the best Double Pinks in cultivation—all the brightest and best shades. Pkt., 10c; ¼ oz., 30c.

KOCHIA (Summer Cypress, or Burning Bush)—A globe-shape or Pyramidal bushes, are close and compact; pleasing right-green. In Autumn the whole bush becomes blood-red—whence the name, Mexican Fire Plant. The beauty of the bush is in its shape and color. Pkt., 5c; ¼ oz., 10c.

MARIGOLD (Teges)—Afford a wealth of color in late Summer, when many plants are past their prime. Tall Double Eldorado—Pkt., 5c; ¼ oz., 10c.

Lemon, or Orange Queen—Pkt., 10c.
Dwarf French Double Mixed—Pkt., 10c; ¼ oz., 15c.

MIRABILIS (Marvel of Peru)—Height two feet. Another good, old-fashioned flower of bush habit, bearing hundreds of flowers during the season, of white, yellow, crimson, and violet. Some varieties combine two or more of these colors in spots, flakes, and splashes. Mixed Pkt., 10c; ¼ oz., 20c.

PETUNIA—For freedom of bloom, variety of color and effectiveness, these have no equal. If only a little care is bestowed on them, Petunias will produce their delicate and gorgeous colors throughout the season. Pkt., 10c.

PORTULACA (Rose Moss)—Will grow and bloom profusely in dry, hot places, where almost any other plant would die. Easily transplanted. Sow in May after the ground has warmed thoroughly. Large Flowering Double Mixed. Pkt., 10c; ¼ oz., 30c.

POPPY—Carnation Flowered Mixture of Double Poppies. Large-sized flowers of all shades, many striped. Pkt., 5c; oz., 25c.

PEONY FLOWERED—Double ball-shaped flowers of gigantic size. Pkt., 5c; oz., 45c.

SALVIA (Scarlet Sage)—A gorgeous, bush-like plant, with numerous spikes of intensely vivid red flowers, ten to twelve inches long. Continue to bloom from May until frost. Pkt., 10c; ¼ oz., 75c; oz., \$2.00.

SCABIOSCIA (Morning Bride)—Many shades and colors of large blossoms on long stems, very desirable for cut flowers. If given plenty of room, and seed pods are picked off regularly, they will bloom all season. Mixed, all colors. Pkt., 10c; ¼ oz., 25c.

DWARF MIXED—Pkt., 10c; ¼ oz., 25c.

PERENNIAL FLOWER SEED

When perennials are planted early, they sometimes blossom the first season.

AQUILEGIA (Columbine) — Graceful, spurred flowers; mixed colors.

CARNATION (Hardy)—An old-fashioned sort of many colors.

CAMPANULA — Bell-shaped flowers; used for borders.

DAISY (Shasta Alaska)—Large, white, showy flower; blooms all summer.

DOLPHENIUM (Hardy Larkspur)—

Pkt., 10c. One Pkt. from each of these varieties.....60c

PERENNIAL FLOWER SEED MIXTURE—Large packet, containing seed from each of the nine varieties—25c.

Flowers of white and blue, borne on long spikes.

SWEET WILLIAM—Flowers of all colors; grow in compact bunches; an old homestead variety.

HARDY PHLLOX—Flowers of all colors; bloom from June until frost.

HOLLYHOCK — Plants tall, flowers large and double.

CLIMBING VINES

IMPERIAL JAPANESE MORNING-GLORY—Flowers much larger than the common sorts. They vary in color from rich purple to pure white. Pkt., 10c; ¼ oz., 20c.

CYPRESS VINE—A beautiful, rapidly growing vine, with delicate, dark-green, fern-like foliage, with masses of brilliant, star-shaped flowers. Pkt., 5c; ¼ oz., 10c.

BALSAM APPLE AND PEAR—Ornamental climbers with pretty foliage and flowers. Fruit, golden yellow; when ripe will burst open. Pkt., 5c; ¼ oz., 15c.

HYACINTH BEAN (Dilochos)—A rapid-growing vine, with very dense foliage and hyacinth-like flowers of purple and white. Especially good for porches, lattice, and fence covering; will blossom from July until frost. Doz., 10c; 3 doz., 25c.

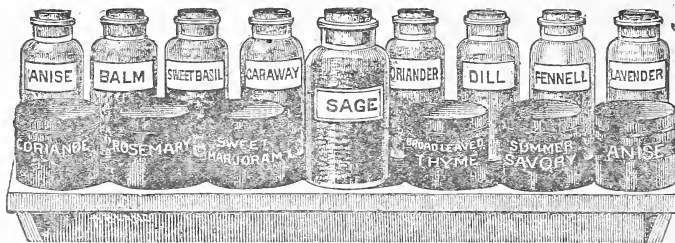
MOON VINE (Pomoea)—Beautiful annual climbers, with very dense, dark-green foliage. Flowers very fragrant, opening only of evenings or cloudy days. The seeds are very hard and should be soaked in hot water for 24 hours before planting. Doz. beans, 10c; 3 doz., 25c.

HUMULUS JAPONICUS (Japanese Hop)—Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises; strongly resists heat, drought and insects. Pkt., 5c; ¼ oz., 15c.

CANARY BIRD VINE—15 to 20 feet. A dainty vine with beautifully cut leaves, and beautiful, delicate flowers of a clear canary yellow; does best in the shade. Pkt., 5c; ¼ oz., 15c.

CARDINAL CLIMBER—Often grows 20 to 30 feet long. Leaves somewhat resemble a Japanese Morning-Glory. A very profuse bloomer of scarlet flowers. Plant after the ground gets warm, where it has plenty of sunshine. Pkt., 10c.

WILD CUCUMBER—This is the quickest climber in our list. It is thickly dotted with pretty, white, fragrant flowers, followed by small, prickly fruit, resembling the cucumber. Doz. seed, 5c; ½ oz., 10c.



PACKETS OF ABOVE SEEDS—10 CENTS EACH.

TOBACCO SEED

The importance of this crop in many sections makes the use of the very best seed an urgent necessity. We feel safe in stating that the quality of seed offered below is absolutely unsurpassed.

CONNECTICUT SEED LEAF—A stocky plant; leaves not very long, but

a good width; suitable for cigar fillers. Grown all over the United States. Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

MISSOURI BROAD LEAF—A well-known standard sort; very large yielder; an ideal sort for home use. Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

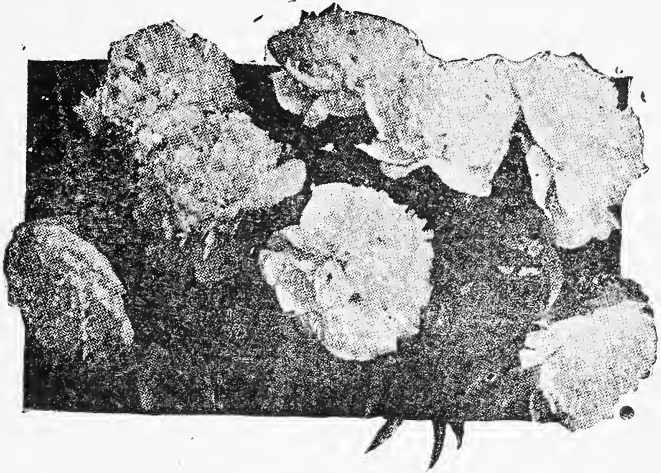
MAIL ORDERS

should always be accompanied with the full amount of purchase price. At the prices quoted in this Catalogue, we prepay postage or express on Garden and Flower Seeds, also bulbs, within the Fifth Zone Only.

Summer Flowering Bulbs

PEONIES

Very hardy, require no special care—may be planted either in the Fall or Spring. Often planted along walks and fences or other out-of-the-way places; bear a profusion of large, delicately-colored flowers that bloom about Decoration Day.



EDULIUS SUPERBA—Pink.

FESTIVA MAXIMA—White dotted with carmine spots.

FELIX CROUSSE—Dark red.
Each, 40c; 3 for \$1.00. Dozen, \$3.50.

CANNAS

KING HUMBERT—Grows about four feet tall, has bronze foliage and very bright red and yellow flowers.

CITY OF PORTLAND—One of the most beautiful Pink Cannas.

MRS. ALFRED CONRAD—Very large Salmon Pink flowers.

THE PRESIDENT—Bright Red flowers, with immense trusses, four feet tall with green foliage.

CANARY BIRD—Beautiful Canary Yellow flowers, large spikes and continuous bloomer.

Any of the above, each, 15c; Doz., assorted, \$1.50.

In addition to these we have a good collection of un-named varieties in separate colors at 60c a doz.

SPECIAL BULB COLLECTION

1 dozen Dahlias, named varieties, assorted colors. Retail value—\$1.59.

1 dozen very best Cannas, assorted colors, retail value, \$1.50.

1 dozen Gladiolas, beautiful assorted colors, retail value, \$1.00.

2 large size Caladiums, or Elephant Ears, retail value, 50c—

This entire collection for\$3.50

CALADIUM, OR ELEPHANT EAR.

This is very large, tropical plant, but may be grown nearly anywhere in the United States. It often has six or more immensely large elephant-ear shaped leaves, two to three feet long and nearly as wide. Soil should be fairly rich. Plenty of water should be given to obtain the largest growth. Large bulbs, 9 to 11 inches in circumference—each, 25c; 7 to 9-inch bulbs—each, 15c.

TUBEROSE

EXCELSIOR PEARL TALL—Short, stout stems, covered with large, double, pure, waxy-white blossoms; very fragrant. Each, 10c; doz., \$1.00.



ELEPHANT EAR

DAHLIAS

Grown from the roots or bulbs; blossom early, make lots of them, and continue until frost. We have three varieties.

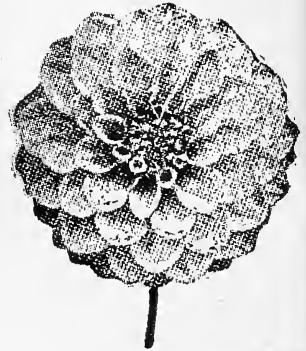
DECORATIVE—Large, double flowers, with full centers; broad, loosely arranged floral petals, slightly rounded at the points.

MRS. WILLS—Dark orange red, curved petals. Each—15c.

DARK BEAUTY—Very dark red. Each—15c.

GRAND DUKE ALEXIS—White, with edge of petals tipped lavender. Each, 15c.

VIOLETTA—Large flower, with beautiful violet-colored petals, yellow center. Each—15c.



CACTUS.

Double flowers, sometimes six to eight inches in diameter, petals longer and more curled.

F. W. FELLOWS—Immense, large flowers, free bloomer, dark-orange yellow, and bronze. Each—15c.

J. H. JACKSON—Deep velvet, blackish maroon. Each—15c.

SHOW DAHLIA.

The oldest, but the hardest, of the Dahlia family. This includes the little POM-POMS. They vary from two to five inches in diameter; flowers very double and compact; petals short and quill-shaped.

ADLIVONI—Beautiful shell-pink, and about four inches in diameter. Each, 15c.

CRIMSON BEAUTY—Bright-red flowers, medium to large. Each, 15c.

LE COLOSSE—Very dark-red, with red center. Each, 15c.

BRUTTON—Bright lemon-yellow. Each, 15c.

One dozen, your choice, assorted varieties.....\$1.50

LARGE SIZE BULBS.



GLADIOLA

GLADIOLAS—Are the most attractive for cut flowers of all the Summer flowering bulbs. They produce giant spikes of perfect flowers, with wonderful colors in fascinating profusion. The long spikes often carry 20 or more buds.

AMERICA—Soft Flesh Pink. Doz., 50c; 100, \$3.80.

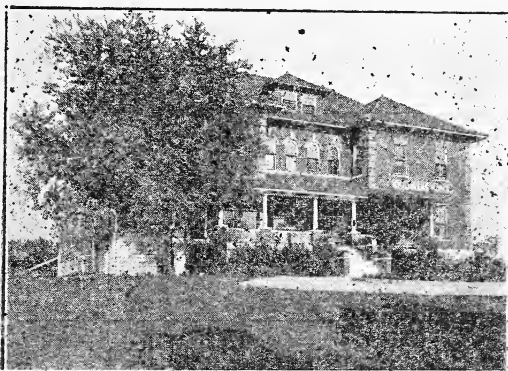
MRS. FRANCES KING—Salmon Red. Doz., 75c; 100, \$6.00.

CHICAGO WHITE—White with lavender markings in the throat. Doz., 70c; 100, \$5.50.

MRS. FRANK PENDLETON—Large Pink flowers with deep carmine blotches. Doz., \$1.00; 100, \$7.50.

HALLEY—Very delicate Salmon Pink, EARLY. Doz., \$1.00; 100, \$7.50.

Lawn and Pasture Grasses



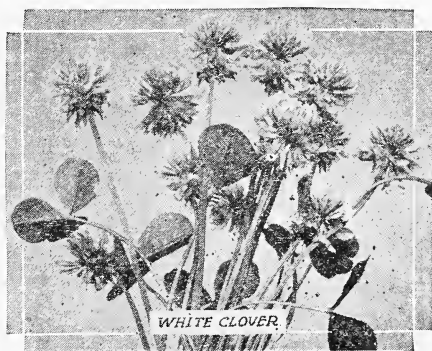
KENTUCKY BLUE GRASS—The most widely known of all natural grasses. It does well everywhere and can be found in almost every part of the country. It is grown more for lawns and pasture than for hay. It starts to grow unusually early in the spring and provides good pastures and green lawns in April and May. Blue Grass will stand closer mowing or pasturing and a greater variation of heat and cold than any other grass. We have two grades—bright seed, Kentucky grown, 19 and 21 lbs. to the measured bushel. 19-lb seed, per lb., 40c; 10 lbs., \$3.50; 100 lbs., \$30.00. 21-lb. seed, per lb., 50c; 10 lbs., \$4.50; 100 lbs., \$40.00.

OAKLEY-PATE'S LAWN GRASS MIXTURE—This is a blend of different hardy grasses, proven by trials to make more permanent lawns. Sow 1 lb. to 400 sq. ft. Per lb., 50c; 10 lbs., \$4.50.

BERMUDA GRASS—Will thrive in semi-arid countries and where the annual rainfall is light. It's slower getting started from the seed, but once it takes root it will make a very heavy lasting sod. The blade or stem has joints at close intervals; each joint will take root if it comes in contact with the earth. Splendid for sowing on dams and retaining walls. Put anywhere among the grasses or forage plants. Lb., 50c; 10 lbs., \$4.50; 100 lbs., \$38.00.

WHITE CLOVER — A short stem, small-headed variety, exceedingly desirable to mix with lawn grass seed. Although not a heavy producer, it is of great value in permanent pastures, affording very nutritious feed for sheep and cattle. It succeeds in almost any soil. About 6 pounds are sown to the acre. Lb., 80c; 10 lbs., \$7.50; 100 lbs., \$65.00.

CREeping BENT GRASS—A low, creeping grass, suitable for lawns, golf courses, and golf greens. This is used in mixtures of lawn grasses extensively. We recommend its use to any one desiring a packed, velvety yard in a short time. Prices, 1 lb., \$1.00; 10 lbs., \$9.00, post-paid.



JAPAN CLOVER.—(*Lespedeza Striata*). This is particularly suitable for waste lands, woodland pastures; grows fairly well on poor soils, and spreads rapidly; once established, usurps wild growths. It is not, however, a pest, and can be gotten rid of by plowing up. It is excellent as a fertilizer. Sow broadcast in the Spring during March or April, at the rate of about 10 pounds per acre. Price, per lb., 40c; 10 lbs., \$3.00, post-paid.

SEED OATS

KANOTA OATS.—To the Kansas Agriculture Experimental Station is due credit for the introduction of THE KANOTA OAT to this section of the country. This is what they say, in part:

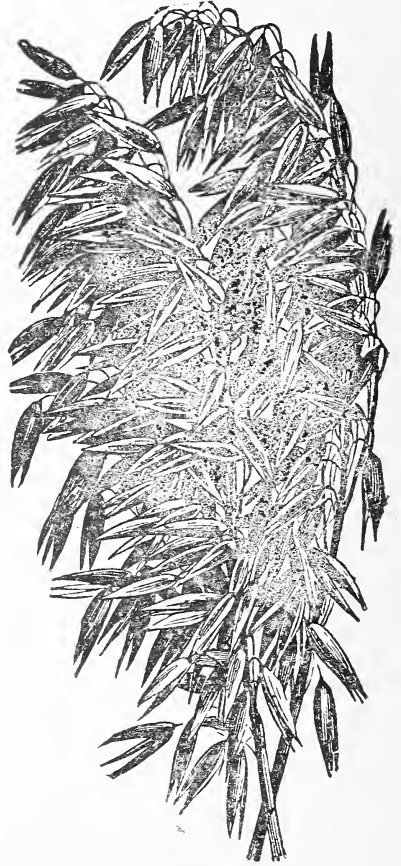
“The rapid early Spring growth, ability to resist or survive late Spring frosts, comparative freedom from smut, high average yield, and early maturing, are such as to support the belief that this variety will prove a valuable addition to the cat-growing section.

The large yields reported for the past few seasons lead us to believe they would be well worth trying. Our supply came from a field of heavy crop, well matured, grown from certified seed, sacked, recleaned and tested. Bushel, by the bag, 85c; 100 bu., \$89.00.

RED RUST-PROOF OATS.—The dry season of 1925 greatly reduced the oats crop of Texas. However, we have a limited supply of No. 1, genuine, Texas-Grown, RED RUST-PROOF OATS, weighing 35 lbs. to the measured bushel. This is an exceptionally good quality. They have been recleaned, and are of good germination; a part of them are in bulk. Sacked, about three bushels to the sack, 85c; 100 bu., \$82.00; bulk, 100 bu., \$80.00.

THE WHITE-CLIPPED (Northern Grown) OATS — Heavy weight, recleaned. Bushel—65c.

EARLY HARVEST—Home-Grown—Recleaned and sacked; good germination. Bushel—60c.



DWARF ESSEX RAPE

The best green forage for sheep, hogs, cattle, and chickens. Will grow on a variety of soils. Is ready to pasture in 6 to 8 weeks after seeding. Sow as early in the spring as the ground can be prepared. For winter pasture, sow in September. Stays green longer and stands cold weather better than most forage plants. Sow 3 to 5 lbs. in drills or 5 to 6 lbs., broadcast per acre. 1 lb., 20c; 6 lbs., \$1.00.

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

NEW VICTORY OATS

This Splendid, White Branch Oat originated at the Royal Seed Breeding School of Svallof, Sweden. Straw is good length, stands up well, and has a strong root system. Heads are branching and well-filled with grain of the finest quality for milling or feeding purposes.



In 1910 a representative having over 30 years' experience in growing and handling seed grain was sent to Europe with instructions to select the very best varieties of their Seed Oats. Land and weather conditions of Sweden seemed most favorable for producing a good quality of oats. Sample heads and samples of grain were gathered from several fields and notes taken regarding the habits of growth, etc. These samples were then spread on tables for final inspection and choice, and the New Victory was chosen as being the best of all.

Made Record Yields

The first seed imported was used in eight counties of New York State and the results so satisfactory that a large importation was made in 1912. The New Victory has been grown successfully in Pennsylvania, Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, The Dakotas, Montana, Wyoming, Nebraska, and Missouri. In Shelby County, Ill., these oats yielded

134 BUSHELS PER ACRE

Other States gave yields of 90, 95, 100 and 105 bushels per acre.

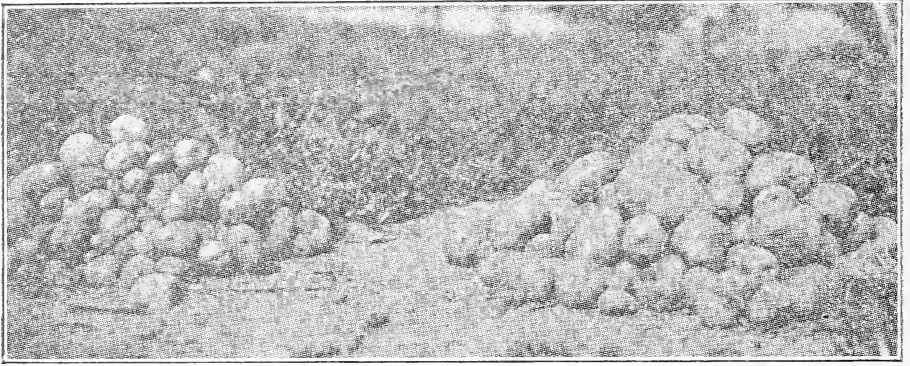
Millions of dollars can be added to the American farmers' profits, if only one bushel per acre increase could be added to the present low average yield. Good seed will help most of anything in increasing the yield, and we urge all oat growers to sow some of the New Victory.

Bushel—\$1.40.

Cash In On a Big Potato Crop

Let Us Insist on You Planting Certified Seed This Year.

Hereafter, It Won't Take Any Persuasion.



The above illustration shows the increase of potatoes due to certified seed, seed treatment and fertilizer grown by John Evelev. Taken from Bulletin No. 138, M. U.

Why Not Double the Potato Yield This Year? It Can Be Done in This Way—Try It!

Plant Certified Seed of any variety preferred, treat them before cutting in a solution of 4 oz. Corrosive Sublimate to 30 gallons water; apply two to four hundred pounds good commercial fertilizer to the acre at time of planting. Keep the weeds down and the soil loose by frequent tilling; if the insects bother, spray with Arsenate of Lead. At digging time, note the increase.

At the time this Catalogue goes to press, the potato market is too uncertain for one to place conservative estimates of prices for planting time. Any inquiries at that time will be gladly answered:

We handle both CERTIFIED and UNCERTIFIED, in the following varieties: IRISH COBLERS, EARLY OHIOS, BLISS TRIUMPH, and BURBANKS.

SEED SWEET POTATOES

NANCY HALL—Probably no other variety of Sweet Potato has become so popular in as short a time as the Nancy Hall. It is due to good yielding quality, fine flavor, and certainty of always making a crop. Nancy Hall has a creamy pink skin, flesh cream yellow, very sweet and firm. We recommend this variety in the fullest terms.

SOUTHERN QUEEN—A large, white potato of good flavor, and a good yielder.

RED BERMUDA—This is the old standby as an early, quick maturing variety. The outside color is pinkish red, while the meat is creamy yellow.

THE PORTO RICO—A new variety originated in the South; medium to large, golden-yellow tubers, tapering toward both ends. Very juicy, and the sweetest of all Sweet Potatoes. Any variety, 10 lbs., 75c; 50 lbs., \$2.75; 100 lbs., \$5.00.

Missouri Grown, Acclimated Seed Corn

There is probably no other kind of grain so extensively grown in the Middle States as Corn. One gallon (7 lbs.) will plant an acre. It takes so little—even at the high prices—one cannot afford to take chances on poor seed. We quote below a number of varieties well adapted to the corn belt. Having been grown in Missouri for more than one season, our Seed Corn is thoroughly acclimated. It was hand-picked, nubbed, tipped, and tested.



GOLD MINE OR MORTGAGE LIFTER—This variety is well and truly named a mortgage lifter. We have personally known of fields planted to this variety in the past that made 60 bushels to the acre when other varieties were failures. The ear is large, medium long, cob red with very long, well-filled, deep grains, maturing to the tip of the ears. 3 lbs., 25c; 10 lbs., 60c; 56 lbs. a bu., \$2.75.

REID'S YELLOW DENT—Medium to early; maturing in from 100 to 110 days. Stalks seven to eight feet high, ears large, round and about 10 to 11 inches long. The grains are long, medium wide, slightly wedge-shaped. A beautiful lemon yellow. 3 lbs., 25c; 10 lbs., 60c; 56 lbs., a bu., \$2.50.

GOLDEN BEAUTY—Ears long, medium size, with short, wide, heavy, yellow grain. Stalks 10 to 12 feet high, bearing in most cases two well-developed ears; a good feeding sort, either shelled or on the cob. Yields well even on moderately rich soil. 3 lbs., 25c; 10 lbs., 65c; 56 lbs. a bu., \$2.50.

LIBERTY OR CALICO—A good strain of an old variety, too well known to need description. 3 lbs., 25c; 14 lbs., 85c; 56 lbs., \$2.50.

IOWA GOLD MINE—95 to 100 days. Deep golden yellow grains, small cob, 12 to 16 rows of grains. One of the best for late planting. 3 lbs., 25c; 14 lbs., 85c; 56 lbs., \$2.50.

IOWA SILVER MINE—This has been a standard of white varieties among corn growers for many years. It is pure white, a good cropper; has a deep grain and a large ear; an abundance of foliage and matures early. 3 lbs., 25c; 24 lbs., 85c; 56 lbs., \$2.50.

BOON COUNTY WHITE (110 to 115 Days).—A very large ear, with pure white, deep grains, of good feeding and milling quality. It has a small, white cob, well covered with deep grains at both ends. Particularly adapted to growing conditions in Missouri, Kansas, Oklahoma and Arkansas. 1 lb., 10c; 3 lbs., 25c; 14 lbs., 80c; 56 lbs. a bu., \$2.50.

BLOODY BUTCHER—A 90-day variety, especially adapted to short-growing seasons, a splendid yielder of good-sized ears, grains red-tipped with white. We recommend this variety for prairie ground. 3 lbs., 25c; 14 lbs., 90c; 56 lbs., \$2.75.

EARLY GARTNER—This is in a class by itself, being earlier than other kinds, it often matures in advance of the hot, dry weather that cuts the corn crop short so many times. Early Gartner has a sound, medium-sized ear, with short grains. Good for feeding or making cornmeal; also a favorite for roasting ears. Matures in 80 days. 1 lb., 10c; 14 lbs., \$1.00; 56 lbs., \$3.50.

100 lbs. of 2-12-2 Fertilizer, at a cost of \$2.25 per acre, applied at the time of planting corn, will pay Big Dividends.

SEED CORN—(Continued)

Hickory King

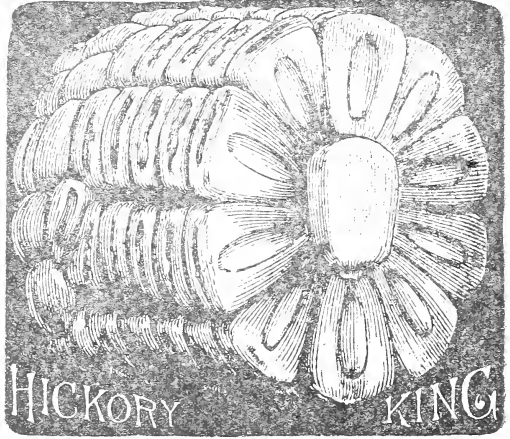
Hickory King is a long, slender ear, small cob, large grain, eight row, white corn. It is best adapted to the Middle West and Southern States.

The stalks often grow 12 to 14 feet high, nearly always producing two well-matured ears.

While it is rather hard for feeding stock, it makes splendid meal and hominy, and is the best of all field varieties for roasting ears.

Does well on upland and thin soil.

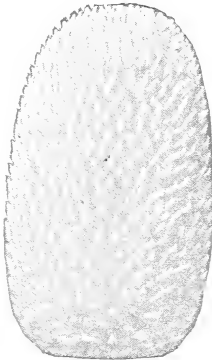
Lb., 10c; 14 lbs., \$1.00; 56 lbs., \$3.00.



PRIDE OF THE OZARKS.

Large, white ears of deep, heavy grains. Not being flinty, makes it very desirable for feeding; also splendid for milling.

Having been originated in the Ozarks of Missouri, it is thoroughly acclimated to this section. 1 lb., 10c; 3 lbs., 25c; 56 lbs., a bu., \$2.50.



Popcorn for Market

Popcorn can be grown to advantage in a commercial way. No farm or garden is complete without a few rows.

In parts of Iowa, they are growing Popcorn almost exclusively as a field crop, and it pays well.

It may be planted much thicker than corn. The ears mature early and the stalks make splendid fodder for cattle.

JAPANESE NULLESS.—The leading variety among the popcorn stands—a heavy bearer of short, thick ears, with white grains. Preferred by poppers for its quickness of popping, fine flavor and light hull.

Half lb., 15c; lb., 25c.

WHITE RICE—A well-known stand-

ard variety, nearly always has two or more large white ears to a stalk.

Half lb., 10c; 1 lb., 15c; 10 lbs., \$1.25.

QUEEN'S GOLDEN—The largest of all varieties of popcorn, with golden, yellow grains, but pops large, snowy-white flakes.

Half lb., 10c; 1 lb., 15c; 10 lbs., \$2.00.

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

CANE OR SORGHUM SEED

Always at market. subject to change without notice.

Sow after the ground warms up, usually May and June; 6 lbs. to an acre in drills for sorghum. 100 lbs., broadcast for forage.

TEXAS RIBBON—Stalks tall and large, full of juice. Sorghum-makers like this variety on account of the excellent quality of molasses it makes. lb., 10c; 10 lbs., 90c; 100 lbs., \$8.00.

BLACK AMBER—An early maturing variety, sown almost entirely for feed. It makes an abundance of nutritious fodder, especially good for dairy cows. Per 100 lbs., \$2.50.

CANE AND COW PEA MIXTURE—Any of these varieties of Cane sown at the rate of 50 lbs. per acre broadcast, together with 25 lbs. of Cow Peas will produce one of the heaviest and best hay crops for dairy cows one can grow. This experiment is worth trying.

EARLY ORANGE—Earlier than Texas Ribbon, but not so large; also used for making Sorghum, as well as for roughness for stock. 100 lbs., \$2.75.

SUDAN GRASS—A non-saccharine sorghum, introduced into this country from Egypt in 1909, by the Department of Agriculture. Since that time the acreage has increased very rapidly. Those who have raised it recommend it very highly. The stalks are small, but stool heavily, sometimes as many as thirty stalks to a bunch. It grows from 7 to 9 feet high, and may be cut as often as three times, frequently making three tons of good hay to the cutting. We have seen cows that preferred it to all other kinds of hay. 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.50.

GERMAN MILLET—With a fair season. Millet will make from three to four tons of splendid hay that all kinds of stock like. The heads also make good chicken feed. The German variety seems to do best in the Middle West. Sow in May or June at the rate of 25 lbs. to the acre. 100 lbs. at market. Write for prices.



SUDAN GRASS

USE FERTILIZER AND GET BETTER CROPS

GRASS SEED

ALFALFA

Alfalfa should be cut for hay when the shoots of the next crop appear at the base of the plants. 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. On the low lands, it is not unusual thing to harvest three or four crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in the Spring, after danger from freezing the young plants is over, or in the Fall, early enough to give it a good stand before frost. 1 lb., 30c; 10 lbs., \$2.80; 100 lbs., \$25.00.

GRIMM ALFALFA.—The much advertised Grimm Alfalfa is truly a wonderful acquisition to the farmers. It originated in Minnesota by Wendlin Grimm many years ago, having been selected from the hardiest plants year after year, it has become extremely vigorous. The crown of the plant is somewhat receding, which gives it protection from the surface soil. It stools very heavily, sometimes a single root will produce three to four hundred shoots. The stems are smaller and heavily laden with leaves, which make better hay. 1 lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

ALFALFA—Dakota No. 12, Hardy Northern-Grown. Our seed of Dakota No. 12 was grown in the Northwest where the extremes of heat and cold and drouths kill out the weaker plants, and where the common varieties cannot survive. In planting Alfalfa, it will pay to use such varieties that will survive such extremes and produce good crops. Sow about 12 lbs. to the acre. Lb., 35c; 10 lbs., \$3.25; 60 lbs., \$18.00.

ALSIKE (Swedish Clover).—Looks like a cross between Red and White Clover; grows about two feet tall and has a light-pink blossom. It is very hardy and will thrive on cold, low, wet land, where Red Clover is a failure. It can also be grown on stony hillsides and thin, sandy soil. It yields about the same as Red Clover and makes splendid hay. The seeds are very small, only taking about 6 lbs to sow an acre. 1 lb., 35c; 60 lbs., \$18.00; 100 lbs., \$28.00.

RED CLOVER

Often two crops or more may be cut in a single season. Clover pasture and hay are both good milk producers. There is no kind of a crop we know of that will reduce the cost of keeping cows more than a few acres sown to clover. It is also one of the best fertilizers one can put on land. Recent experiments have shown that a crop of clover plowed under is equal to 20 tons of stable manure to the acre. Inasmuch as it serves three purposes: pasture, hay and fertilizer, one may readily see the value of this crop. We have two grades—both tested for purity and germination. Best grade, 1 lb., 35c; 10 lbs., \$3.33; 100 lbs., \$30.00.

Second grade—1 lb., 30c; 10 lbs., \$2.90. 100 lbs., \$27.50.

JAPAN CLOVER (*Le pedeza Striata*)

—This is especially suited for waste lands and wood-and-pastures. Grows fairly well on poor soils, spreads rapidly and, when once established, usurps wild growths and will, in many cases, even subdue Broom Sedge. It is not, however, a pest, for it can be gotten rid of by plowing it up and is an excellent fertilizer. Highly recommended for cover crops in orchards and is extensively used for this purpose.

Japan Clover is particularly valuable for pastures on poor soils and where the soil is good, yields a fair quantity of good hay. It is relished by cattle, is nutritious and fattening. To obtain a stand, it is only necessary to scatter the seed broadcast in the Spring during March and April at the rate of about 10 lbs. per acre. Harrowing the land over before the seed is sown, when it can be done, is of course better, though this is not imperative to obtain a good stand. 1 lb., 30c; 10 lbs., \$3.25; 60 lbs., \$18.00.



ALFALFA

GRASS SEED—(Continued)

SWEET CLOVER

Sweet Clover resembles Alfalfa both as to appearance and habit of growth when young. It grows much larger than Alfalfa—often four to six feet high, and is a great drought resister. It makes a very vigorous growth and is much used to plow under as a green fertilizer. Is valuable in the bringing up of old waste and worn-out soils, and thrives well even on extremely poor soil.

Sow 10 to 20 lbs. scarified seed to the acre during August or September, or from February to April 15. 1 lb., 25c; 10 lbs., \$2.25; 100 lbs., \$18.00.

ALSIKE CLOVER AND TIMOTHY MIXED.

When Alsike Clover and Timothy are grown together, and the seed is sowed, it is impossible in cleaning to make a separation. On this account, we purchase the seed for less money and we

can sell it for less. Those desiring to sow Alsike and Timothy together can save money by buying the seed originally harvested.

The Minnesota Experiment Station recommends using Alsike in all Timothy, and Medium Red Clover Mixtures. The Alsike tends to increase the forage crop and will replace the Red Clover as the latter begins to die.

Since the Alsike is a hardy perennial, and does not easily winter-kill, Alsike and Timothy Hay is much richer in feeding value and will flourish on soils too moist for clover, Alsike is suitable for either hay or pasture. It is finer and more leafy than Medium Red Clover. Cattle prefer it. Sow 12 to 15 lbs. per acre. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

MAMMOTH RED CLOVER.

This is a larger and later variety than the Medium Red. It stands the extremes of heat and cold, will also grow on thinner soil than Red Clover. Lb., 40c; 10 lbs., \$3.75; 100 lbs., \$36.00.

CRIMSON CLOVER.—Is an annual largely used for early Spring pasturage, but it is most highly esteemed for use as a green manure or winter cover crop. So great is its enriching qualities that it has been estimated that a crop of this clover plowed under is equal to 20 loads of manure to the acre.

In the South it may be sown in August or September, and will remain green all winter and afford the very earliest Spring pasture.

Our most advanced farmers mix rape and crimson clover and sow in corn at last plowing, and thus secure an immense forage crop as well as adding to the fertility of the soil. Pound, 25c; 5 lbs., \$1.00; 60 lbs., \$9.00.

ORCHARD GRASS

One of the most valuable of all the cultivated grasses, blooming with Red Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Sow 15 to 25 lbs. per acre. 1 lb., 25c; 14 lbs., a bu., \$3.00; 100 lbs., \$20.00.



TIMOTHY

For best results. INOCULATE Alfalfa, Sweet Clover and Red Clover, when sown. It costs only about 25c an acre.

Grass Seed (Continued)

TIMOTHY

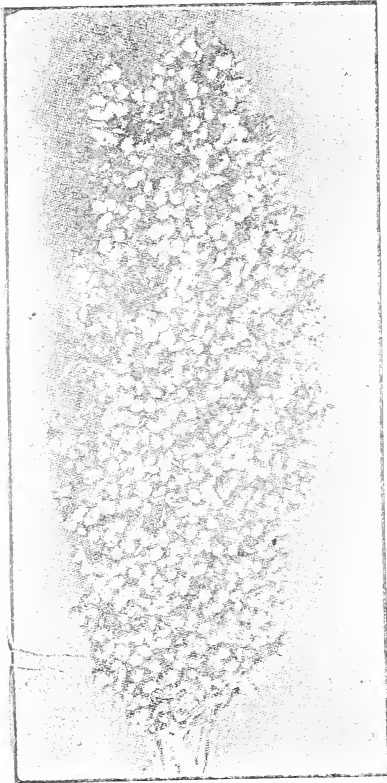
No grass is better known than this nor more generally grown, as it produces the best hay of all grasses. It produces good hay on almost any class of land, but in this section is best suited to bottom lands or good, rich, well-drained soil. It yields about 1½ to 2 tons of hay per acre, which is always in demand. If used alone, sow 12 lbs. per acre. We have three grades—all Missouri-grown. Best grade—lb., 20c; 10 lbs., \$1.50; 100 lbs., \$19.00.

Fancy—lb., 15c; 10 lbs., \$1.25; 100 lbs., \$9.50.

Choice—lb., 15c; 10 lbs., \$1.15; 100 lbs., \$9.00.

RED TOP OR HERDS GRASS.

Succeeds better on more soils than any other grass and in all sections of the United States. Grows slowly, but becomes very vigorous later and spreads rapidly into a compact sod. Suitable to stiff soils, and in low situations subject to overflow, producing luxuriant growth, attaining a height of 3 to 3½ feet. For the best quality hay, it should be cut when in bloom; ripens about the same as Timothy. 1 lb., 40c; 10 lbs., \$3.75; 100 lbs., \$35.00.



KAFFIR

Four Sure Croppers For Dry Seasons

These four kinds of small grains are very similar in size of stalk, head, and grain, also in habit of growth. They should not be planted as early as our Indian Corn—usually in May, after the ground has become thoroughly warmed. They are wonderfully drouth-resisting, quick maturing, and heavy yielding.

They may be threshed the same as wheat or oats. They can be fed as whole grain, or crushed.

According to analysis, the feeding value is about the same as corn.

Plant 6 lbs to the acre in drills, far enough apart to be cultivated.

BLACK HULL WHITE KAFFIR—2 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$3.00.

MILO MAIZE—3 lbs., 25c; 25 lbs., \$1.50; 100 lbs., \$4.00.

RED KAFFIR—3 lbs., 25c; 25 lbs., \$1.50; 100 lbs., \$4.00.

FETERITA—4 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$4.00.

Broom Corn

OKLAHOMA DWARF—Height 5 feet, brush long and well-fibered; drouth-resisting. lb., 20c; 2 lbs., 35c; 10 lbs., \$1.

INOCULATE COW PEAS AND SOY BEANS AND DOUBLE THE YIELD.
A DOLLAR CAN IS ENOUGH FOR A BUSHEL.

PEANUTS

Do best in light, sandy soil, about 10 bs., of shell nuts will plant an acre; plant in April or May. Two peas to a hill, in rows like corn, so they can be cultivated. Hills should be about two feet apart.

TENNESSEE RED—Three to four large peas to a shell, or hull. Vines grow upright, very productive. Best variety for black, loamy soil. Lb., 30c; 3 bs., 75c; 10 lbs., \$2.25.

Jumbo or Virginia Mammoth—the largest of all Peanuts—lb., 25c; 3 lbs., 65c.

SPANISH PEANUTS—These have small, thin shells, but medium-size, well-flavored peas. They are early maturing and very productive. In the Southern States, farmers plant them for fattening hogs, as they are very rich in food value. 1 lb., 30c; 3 lbs., 75c.



SOJA OR SOY BEAN.

The Soy Bean is a late introduction, but is rapidly being planted in larger acreage. It does not vine, but grows a very compact, upright bush. 2½ to 3 ft. high. Pods short, but set on thick and fill well with peas that are very rich in food value. On account of the good quality and yield of vines for hay, this is considered a profitable crop to raise. Sow any time from May until the 15th of July, at the rate of 30 lbs. per acre in drills 2½ to 3 feet apart, or 100 lbs. to the acre broadcast.

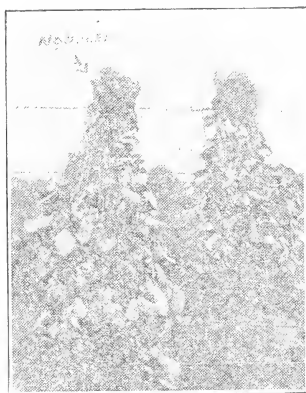
VIRGINIA—The heaviest vining variety. Lb., 10c; 15 lbs., \$1.40; 60 lbs. a bushel. \$3.50.

EARLY MORSE—Lb., 10c; 15 lbs., 90c; 60 lbs a bu., \$3.25.

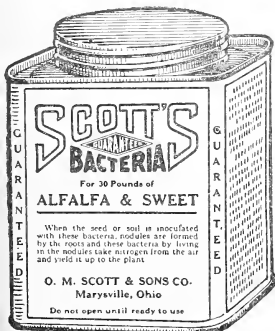
WHIP-POOR-WILLS—Yield an abundance of succulent hay. No better feed for cows. Lb., 10c; 10 lbs., 85c; 100 lbs., \$6.00.

COW-PEAS.

Six tons of hay from one bushel of Cow Peas is the report of a Jasper county farmer. Cow Peas are not only



USE SCOTT'S INOCULATION FOR COW PEAS AND SOY BEANS.



and harvest bigger crops of hay, and thresh more Peas.

One bushel Can, \$1.00.

heavy yielders of splendid hay, but are one of the best crops raised for building up worn-out soil. Sow 30 pounds to the acre in double-rowed drills, or 60 pounds broadcast.

LARGE BLACK-EYED PEAS—Make a vigorous growth of both vine and pods. Peas are carried by many groceries for table use. Lb., 15c; 10 lbs., \$1.25; 100 lbs., \$9.00.

NEW ERA—Peas small, vines grow very erect; about two weeks earlier than Whip-Poor-Wills. Lb., 10c; 10 lbs., 75c; 100 lbs., \$5.00.

HARDY MONTHLY BLOOMING ROSES



THE AMERICAN BEAUTY—Queen of the rose garden, our patriotic flower. Makes rapid growth, immense flowers; blooms freely throughout the entire summer. Color deep red. Each, 50c.

FRAU KARL DRUSCHKI (or White American Beauty)—This superb, new, white rose is of foreign origin, and has only been recently introduced. It makes a rapid growth, is a hardy bush and an exceptional good bloomer of very large snow-white flowers. Each, 50c.

PAUL NEYRON—One of the largest of roses; deep, shining rose color, double; very fragrant frequent bloomer. 50c.

KILLARNEY—An exquisite shade of shell-pink, lightened with silvery pink; hardy and prolific. Each, 50c.

CLEMATIS—The different varieties and species of Clematis now in cultivation are of the highest beauty and utility. They vary greatly in their foliage and flowers, and are adapted to various uses.

CLEMATIS, JACKMANII—A very profuse blooming variety with flowers from four to six inches in diameter, of an intense violet purple color, borne in continuous masses on the summer shoots. Each, 75c.

CLEMATIS, HENRYII—Fine bloomer, flowers large, of a beautiful creamy white, consisting generally of from six to eight sepals. June to October. Each 75c.

CLEMATIS MADAME EDOUARD DRE—Flowers large of a beautiful bright velvety red; very free flowering and continuous bloomer. Each 75c.

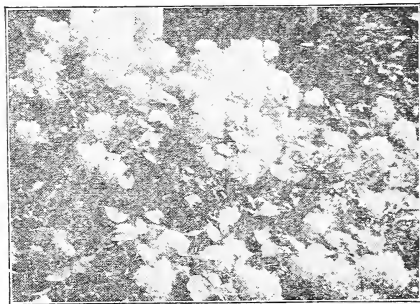
CLEMATIS PANICULATA—A great novelty. One of the most desirable, useful and beautiful of hardy garden vines; a luxuriant grower, profuse bloomer with fine foliage. Flowers of medium size, very pretty and fragrant, produced in the greatest profusion in late summer. Each, 50c.

BABY RAMBLER—Its large clusters of bright crimson flowers almost hide the bushes the entire season; much smaller than other varieties of the ramblers, growing only about 18 inches high. Each, 50c.

SUNBURST—Hybrid Tea, monthly bloomer, beautiful, long, pointed, golden-yellow buds—especially fine for cutting. Each—75c.

LADY HILLINGTON.—Awarded the Sweepstakes of all yellow roses at the Detroit Rose Show in 1910. Long slender, pointed buds of beautiful apricot-yellow; borne on strong, upright stems. Each—75c.

HYDRANGEA, Paniculata Grandiflora—These plants are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing hundreds of immense panicles of bloom. White turning to rose in autumn. An annual shortening of branches tends to increase the size of the flowers. Very fine and valuable for cemetery planting. Each, 75c.



HYDRANGEA, PANI. GRANDI.

Hudson Perfection Compressed Air Sprayer

For Potato Spraying, Whitewashing, Disinfectants, Cold Water Paints.

A High-Pressure Sprayer.

The Hudson Perfection Sprayer has a tank made like a steam boiler. The riveted seams give the necessary strength for developing a high pressure. The brass pump inside the tank is easily removed.

Pump—1¾ inches diameter, 15 inches long, seamless brass tubing. The plunger is equipped with special plunger leathers. The valve is brass. We claim great advantage and distinction in the design of our top and the handle for the pump.

Tank—7½ inches diameter, 20 inches long; capacity, 4 gallons.

No. 110G Galvanized Tank—Price...Each \$6.00



New Easy Spray

NEW EASY SPRAY—Is a one-gallon, galvanized tank, compressed air sprayer, made especially for the person desiring a larger one than the small hand sprayer, and not so large as the regular compressed air type.

Each—\$3.50.

The Hudson Modoc

THE HUDSON MODOC—A bucket pump that may be used for a variety of purposes. It is double acting, and will develop 150 lbs. nozzle pressure. Made of brass throughout.

Each—\$4.50.



The Junior

THE JUNIOR—Like the Hudson Perfection, is a compressed air sprayer with heavy galvanized tank and brass pump—just the thing for small gardens, dairy barns and poultry houses.

Each—\$4.50.

Ground Lime Fertilizer takes the acid out of sour soil, and makes better lawns. 150 lbs., \$1.00.

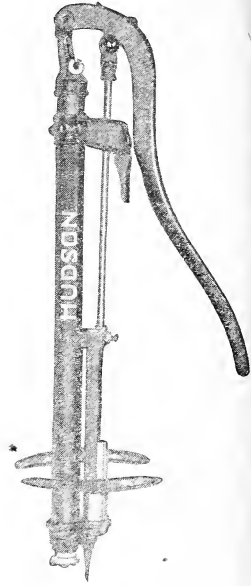
THE HUDSON BARREL PUMP

Our Barrel Pump has a seamless brass cylinder seven inches long, 1½ inches in diameter. It will develop and maintain a pressure of 200 lbs. This is sufficient to operate two lines of hose at one time, if so desired.

The handle is long enough to make it easily operated.

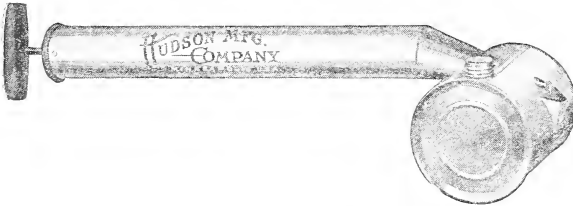
It is equipped with 10 feet of ¾-inch Spray Hose, two four-foot sections of ¼-inch iron pipe extensions, a good fog nozzle and shut-off.

Price—\$12.75.



HUDSON BARREL
SPRAY

Misty Spray



MISTY SPRAY

MISTY SPRAY—One quart capacity, all-purpose hand spray, made of heavy tin; used for spraying plants, stock, and poultry houses. Each, 50c.

MIDGET SPRAY

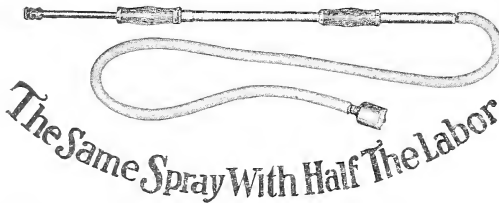
Very similar to the one-quart Misty Spray, except it only holds one pint.

Each—35c.



MIDGET SPRAY

It's Double Acting



The Same Spray With Half The Labor

THE NO. 105 DOUBLE ACTING SPRAY PUMP is designed for the convenience of Poultry Raisers, Home and Truck Gardeners, and Small Orchardists. This sprayer may be used in a bucket or on a knapsack tank. It has three discs, which are interchangeable, and will produce a stream of very fine mist. It also has the largest spread of any of the Hand Pumps.

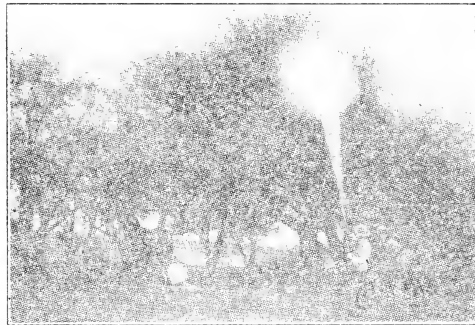
Price—\$4.50.

If the insects bother your trees, shrubs, or flowers, write or call. We have a remedy.

OAKLEY-PATE'S BUTTERMILK STARTER FOR BABY CHICKS

Helps prevent disease and promotes a more rapid growth.

INSECT DESTROYERS



Secrets of Blight-Proof Fruits and Vegetables Lies in the Proper Use of Sprayers and Spraying Materials.

BORDEAUX MIXTURE—(Dry)—The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 5 lbs., \$1.75; 25-lb. kegs, \$6.50.

TO PREVENT THE BLACK TURNIP FLEA From eating cabbage and cauliflower, spray with tobacco dust or hydrated lime as soon as the plants are above the ground.

NICOTINE—Used extensively by florists for killing all plant lice. 1 oz. bottle, 35c; half lb., can, \$1.25; 2-lb. cans, \$3.75.

TOBACCO DUST—Fine, dark powder, of good strength, will keep bugs off of melon vines, cucumbers and pumpkins. Lb., 10 ; 10 lbs., 90c.

DRY LIME SULPHUR—Dissolves readily in water. Put 10 lbs., Dry Lime Sulphur to 50 gal-

lons of water and use same as Lime Sulphur Solution. Lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00.

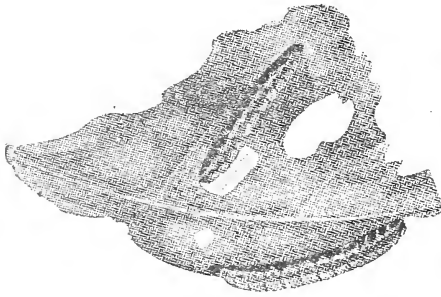
PARIS GREEN—A poisonous insecticide in a powder form, for insects which chew. When applied as a powder, use one part Paris Green to 100 parts plaster or flour. As a liquid, one pound of Paris Green in 150 to 300 gallons water; if used on fruit trees, add one pound quick-lime. Changes with market. $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; 1 lb., 80c.

TREE TANGLEFOOT—Perfect safeguard for trees. Lb., 50c; 3 lbs., \$1.45.

GARDITE—Is excellent for certain bugs and worms on melons, cucumbers, and pumpkin vines, cabbage, rosebushes and some other plants. It will also kill fleas and lice on dogs, horses, cattle, sheep, hogs, and poultry. 1lb., sifter ton can, 50c.

INSECTICIDES CONTAINING POISON CANNOT BE SENT BY MAIL.

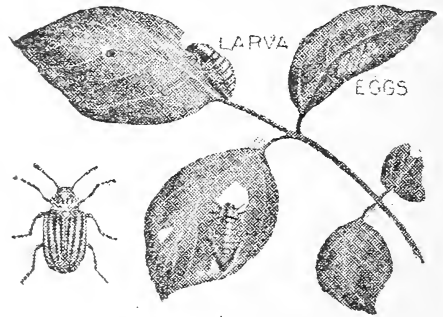
GARDEN INSECTS AND THEIR DESCRIPTION TOGETHER WITH TREATMENT.



CABBAGE WORM

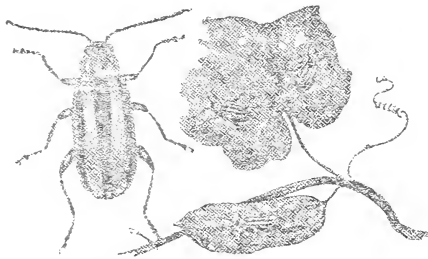
Cabbage Worm—These green caterpillars hatch from eggs laid by the common white butterfly. There are several broods produced each season. The most effective means of control is by spraying or dusting with arsenate of lead or Sure Noxum.

Tussock Moth—A handsome, redheaded yellow and black tufted caterpillar, about one inch long, which devours the foliage of both shade and fruit trees. To control this pest, the cotton-like egg masses should be collected in both fall and winter, and trees banded with Tree Tanglefoot. Spray often with Arsenate of Lead.



POTATO BEETLE

Potato Beetle—These striped yellow and black beetles appear in numbers in early Spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvæ, who destroy the foliage rapidly, attaining full size in from 2½ to 3 weeks. Spray or dust with Arsenate of Lead or Paris Green.



CUCUMBER BEETLE

Natural Size—¼ Inch.

Cucumber Beetle—These striped black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Tobacco Dust, covering underside of foliage.

Aphides—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by use of Nicotine or Tobacco Dust. Be sure to cover the underside of the leaves.



TOMATO WORM

Tomato Worm—The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously, they become full grown in three weeks' time. There are sometimes two broods in a season. The most successful remedies is Arsenate of Lead.

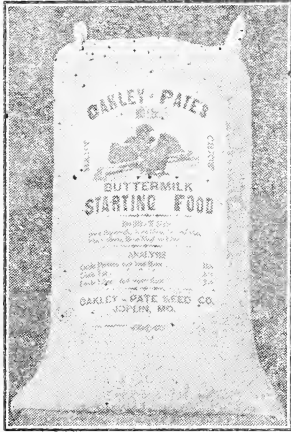
How and What to Feed Baby Chicks

OAKLEY-PATE'S BUTTERMILK STARTING FOOD STARTS 'EM RIGHT!

Feeding Directions and Analysis On Each Sack.

5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.15; 50 lbs., \$2.10; 100 lbs., \$4.00.

For the first 24 to 48 hours after hatching, feed nothing but Fine Grit, Fine Charcoal and fresh water. After this, and until they are three weeks old, give in addition to the above OAKLEY-PATE'S BUTTERMILK STARTER FOR BABY CHICKS, either dry or slightly moistened with milk.



At the end of three weeks, gradually change to OAKLEY-PATE'S DEVELOPING MASH, given like the BUTTERMILK STARTER, and OAKLEY-PATE'S BABY CHICK SCRATCH, given in a litter. Continue the Chick Feed until they are large enough to eat whole wheat or kaffir, and the Developing Mash until they are fully matured.

If these directions are followed, chickens will mature from three to six weeks earlier than if fed in a haphazard way.

Baby Chick Scratch Feed

After chicks are about three weeks old, they need finely-granulated particles of grain thrown into a litter of ground alfalfa or cut straw to induce exercise and help promote growth. OAKLEY-PATE'S CHICK FEED is made from steel-cut oats, and millet, together with corn, wheat and kaffir-corn, ground to the proper size for feeding young chicks. Analysis on each sack.

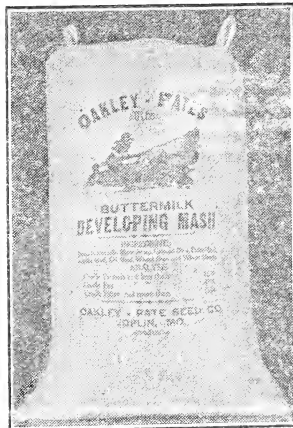
10 lbs., 40c; 25 lbs., 90c; 50 lbs., \$1.60; 100 lbs., \$3.00.

Oakley-Pate's Developing Mash

Keeps Them Healthy and Growing

Among other ingredients, it contains yeast and Cod Liver Oil, so highly prized by experts for health and rapid growth of Baby Chicks.

10 lbs.....45c
25 lbs.,\$1.00
100 lbs..... \$3.50



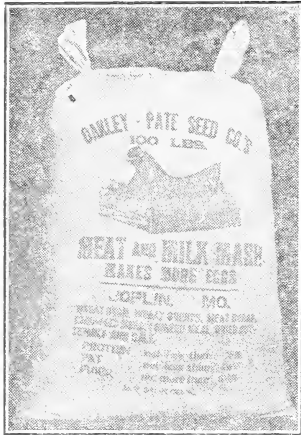
All Food
No Waste
Give it
in Connection
With
Oakley-Pate's
Baby Chick
Scratch Feed

Oakley-Pate's Poultry Food

Since success in the poultry business depends largely on the feed used, we can not put too much emphasis on using the right kind.

The average hen in the farm flock fed on grain only, or left to rustle

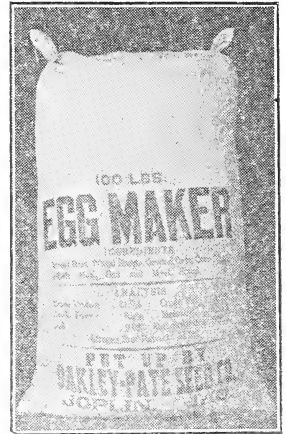
what she can, will lay about 5½ dozen eggs a year.



Ingredients and Analysis on Each Sack.

100 lbs.	\$3.25
50 lbs.	\$1.70

Hens properly cared for and fed on Oakley - Pate's Mash and Mixed Hen Feed will lay between 150 and 180 eggs a year per hen. In doing this, each hen will consume about 42 lbs. of Mash and the same of Hen Feed,



Ingredients and Analysis On Each Sack.

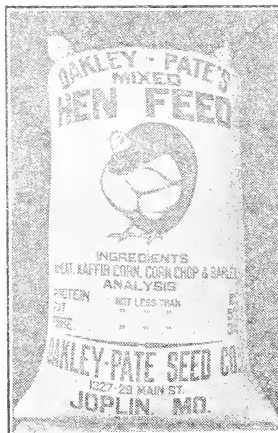
100 lbs.,	\$2.75
50 lbs.	\$1.50

or a total of 84 lbs. a year. From these figures, one may estimate the costs and results from prices actually paid for feed and received for eggs.

Oakley-Pate's Mixed Hen Feed

is made of sound, recleaned, whole wheat, kaffir corn, and sunflower, and the best coarse, yellow cracked corn, with the meal extracted.

98 lbs.	\$2.50
49 lbs.	\$1.25
25 lbs.70c



Our Poultry Feeds Are Past the Experimental Stage

Some of our customers have used them for the past seven years.

To those who have never used it, we kindly ask you for the next order.

Poultry Food that Gets Results

Oats and Oat Feeds should form a portion of every poultry ration. They are good for laying hens; also for fattening broilers, and good for baby chicks. We have them in all their forms.

WHOLE OATS—For sprouting; always at market. Today, bu., 32 lbs., 65c.

WHOLE GROUND OATS—Hull and all, very finely ground, splendid for mixing in either growing or laying mash. Small quantities, 2½ per lb. 100 lbs., \$2.10.

OAT FLOWER—So called because it is the heart of the oat ground into a powder, like flower; indispensable in the mixing of mash for baby chicks, fattening of broilers and fryers or laying hens. 100 lbs., \$3.50; 50 lbs., \$1.90; small amounts, 5c a lb.

ROLLED OATS—No hull, same as Table Oats; often used for starting baby chicks. 100 lbs., \$3.50; 50 lbs., \$1.90; small amounts, 25 lbs., \$1.00.

OAT GROATS—The whole grain with the hull extracted, steel-cut oats, the same as oat groats except the grain is cut into several particles. These have the same feeding value. They are splendid to feed baby chicks. 100 lbs., \$3.50; 50 lbs., \$1.90; 25 lbs., \$1.00.

CRUSHED OYSTER SHELL

Provides Lime in the most economical, palatable and digestible form.

It multiples egg production, it keeps the laying hens healthy; it insures strong-boned chicks.

100 lb. Sax.....\$1.15
Smaller quantities, lb.....2c

OAKLEY-PATE'S EGG MAKER

Makes Hens Lay Two Eggs

Where They Laid But One Before!

Try a Sack!

DOUBLE COIL COLORED CELLULOID LEG BANDS

DOUBLE COIL SPIRALETS are more secure and the colors can be distinguished farther away. Made in six sizes.



Baby Chick
Doz. 10c, 160, 50c



Pigeon
Doz. 10c, 100, 50c



Bantams
Doz. 12c, 100, 69c



Leghorn
Doz. 15c, 100, 75c



American Breeds
Doz., 15c—100 75c



Asiatic
Doz., 15c—100 75c

ALUMINUM LEG BANDS.



Also Plain Aluminum, numbered Leg Bands. Doz., 15c; 50, 45c; 100, 80c.

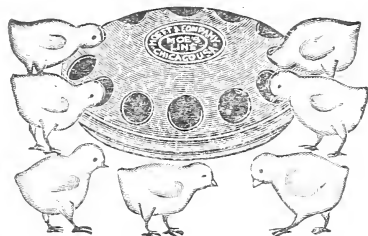
POULTRY LEG BANDS.

New Double Lock, Aluminum Leg Bands.—Adjustable to any size fowl. With raised numbers easy to read. Ideal for trapnesting records. Accurately made and quickly applied; will stay on as long as the bird lives. Packed in cartons, 12, 25, 50, 100 each. Numbered from 1 up. Doz., 15c; 2 doz., 25c.

RELIABLE BANDS are made of aluminum, with inserts of celluloid colored numbers, from 1 to 100. We have Red and Blue only. Doz., 25c; 100, \$1.75.

VICTOR BANDS—With large, celluloid-colored numbers, used largely for trap-nesting and exhibition purposes. Doz., 50c; 25 for \$1.00; 100 for \$3.75.

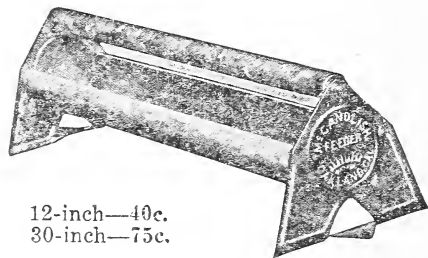
ROUND BABY FEEDERS For Baby Chicks



This Round Baby Chick Feeder is made of heavy galvanized iron, has a top with 12 holes to permit feeding without any waste! holds about one quart.

Each—30c. Dozen—\$3.00.

IMPROVED HANDY HOPPER



12-inch—40c.
30-inch—75c.

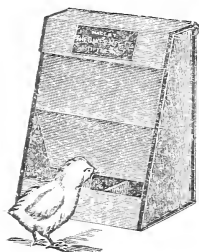
PETTEY'S POULTRY PUNCH.



A popular, practical punch for marking Baby Chicks. Punches a clean hole in the web between the toes. Hole is the right size. Will not bruise the foot. Each—25c.; doz., \$2.25.

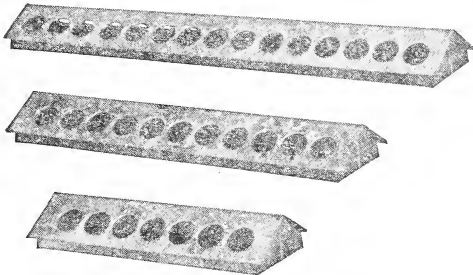
BABY CHICK FEEDER.

Made of heavy, galvanized iron, with roller on top to prevent chicks roosting on it. Three sizes:



Baby Chick Grit and Shell Box—each 75c.

ROYAL FEED TROUGHS AND WATER FOUNTAINS



ROYAL FEED TROUGHS

Made of the best quality galvanized iron; well reinforced and very economical in price. Top lifts off and it is easily filled. Made in three sizes. 12-inch—each, 25c; doz., \$2.75; 18-inch, each 35c; doz., \$3.75; 25-inch, each 50c; doz., \$5.00.

ROYAL BABY CHICK HOPPER



Made of heavy, galvanized iron; holds one peck; top and bottom removable for filling and cleaning; 12 inches high, eight inches in diameter; has 22 feeding holes. Each—\$1.00.

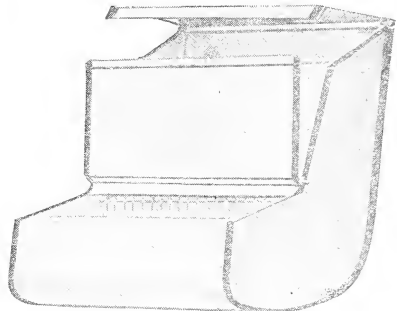
**BABY CHICK JAR
FOUNTAINS**

This fountain will fit any Mason Jar, and is intended for feed and water. No. 0 is made of galvanized iron, and is intended for water and feed. No. 00 can be used for the same purpose, but they are intended for feeding sour milk and buttermilk.



No. 0 Galvanized, each 10c; dozen, \$1.10.
No. 00 Charcoal Tin, each, 15c; doz., \$1.60.

ROYAL DRY MASH HOPPER



This new and improved line of Royal Mash Hoppers is made of a good grade of galvanized iron. The hoppers are properly shaped for self-feeding. By closing the lids, they may be made water and rat-proof.

Made in four sizes.

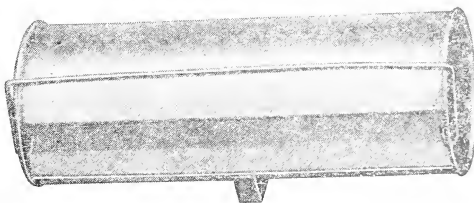
No. 81—12 inches wide, holds 14 qts., each—\$1.50.

82—18 inches, 22 qts., each—\$2.00.

83—24 inches, 32 qts., each—\$2.50.

84—36 inches, 45 qts., each—\$3.50.

DRINKING FOUNTAIN

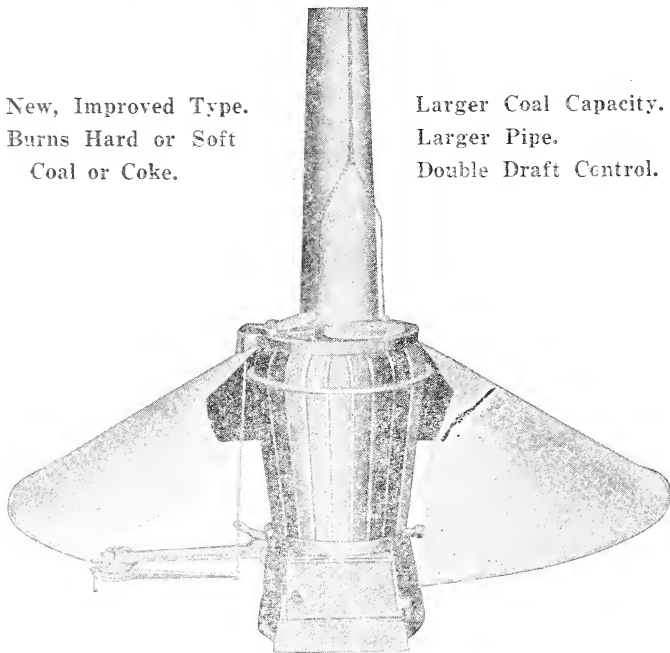


Made of galvanized iron, holds three gallons, lays on its side; has bail for carrying. Each—\$1.00.

ROYAL BROODER STOVES

New, Improved Type.
Burns Hard or Soft
Coal or Coke.

Larger Coal Capacity.
Larger Pipe.
Double Draft Control.



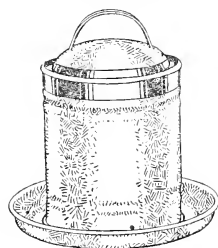
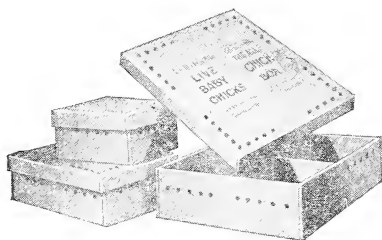
No. 5—Capacity, Up to 500 Chicks. Height of stove, 21½"; diameter at base, 14¾"; diameter at grate, 9½"; diameter of canopy, 42"; diameter of pipe, 5"; coal capacity, 35 lbs.

Stove equipped with rocker grate, self-cleaning and will not clog. Equipment includes rope and pulley for canopy; weight, rated, 90 lbs. Price—\$20.00.

No. 6—Capacity, Up to 1,600 Chicks. Made of same material; canopy, 15 inches in diameter, and stove larger. Price, each—\$25.00.

BABY CHICK SHIPPING BOXES

ROYAL DRINKING FOUNTAIN.



25-Chick Size—Each	15c
50-Chick Size—Each	25c
100-Chick Size—Each	35c

One-Gallon Royal Drinking Fountain, made in two pieces. To fill pull top off the base, and fill can upside down; push bottom on and invert. Each—60c.

INCUBATORS AT REDUCED PRICES



Remember, it is not how many chicks you hatch that count, but how many you raise. Chicks that hatch out weak and wobbly, and live but a few days, mean nothing to you but trouble and loss. They make one sick of the poultry business. Most of the chicks lost the first few weeks die because they did not have enough strength for a good start.

	List	Our Price
1 50-Egg, Baby Grand	\$ 7.50	\$ 5.00
7 85-Egg, Queen	19.50	16.58
1 130-Egg, Automatic	36.50	30.00
1 135-Egg, Queen	37.50	31.87
1 180-Egg, Queen	44.50	37.83
1 250 Egg, Used Automatic	57.50	30.00
1 275-Egg, Used Queen	57.75	30.00
1 120-Egg, Used Buckeye	27.50	15.00
5 350-Egg, Used Buckeyes	68.00	50.00

These Incubators are all in good condition, some have never been uncrated, others have been set up and used for display purposes only. While those marked "used," have actually been in service, they are in splendid condition and will carry the same guarantee as a new machine.

If in need of an Incubator, we would advise acting quickly on any of these.

Lectro-hatch

Electric Incubators and Brooders

"DO IT ELECTRICALLY!" Lectro-hatch Incubators and Brooders have made poultry-raising safe, easy, and certain. Chicks hatched by electricity have the appearance of being a week old the day they're hatched. Even heat, and fresh, pure air gives the chick every advantage for life, growth, and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt, and DANGER OF FIRE which you are sure to find in other style machines. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it. Think what this means! No lamps to fill, no wicks to trim, no coal to carry, no work or worry of any kind—everything automatic. Costs less than a cent an egg to operate. Lasts a lifetime!

The Lectro-hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-hatch Incubator. Night or day, the temperature in your brooder never varies. There are no ups or downs—no frozen or roasted chicks. Chicks breathe fresh, pure air all the time. Pure air, unchanging heat, and no crowding will prevent a big part of your usual chick losses. Lectro-hatch Brooders are strongly built of heavy, galvanized metal, with heavy, felt curtain—sturdy, attractive, efficient, and durable.



When ordering Lectro-hatch incubators or brooders, state voltage of your electric current.

MADE IN TWO POPULAR SIZES
150-Chick and 500 Chick

Lectro-hatch

ELECTRIC INCUBATORS

65-egg size	\$ 23.50
150-egg size	38.00
300-egg size	67.00
600-egg size	118.00



It's All Brooder — No Lamp, No Stove!

Lectro-hatch

ELECTRIC BROODERS

150-chick size	\$18 00
(26-inch diameter)	
500-chick size	23.50
(40-inch diameter)	

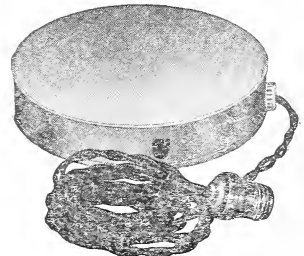
Lectro-warm Electric Heater

Keeps Drinking Water From Freezing. Needs No Attention. Safe and Economical.

Every poultry-raiser knows the value of drinking water to laying hens in winter. Water is as necessary as feed. It must be before them all the time—and some means must be provided to keep the water from freezing. Get eggs while egg prices are high.

The Lectro-warm Electric Fountain Heater keeps water from freezing, even in zero weather. Set water vessel on heater and turn on current. That's all there is to it. No lamps to bother with, no danger of fire, no adjusting, no regulating, no watching, needs no attention whatever. Cost averages about a cent a day. Can be used with any time fountain, pan or bucket. Same vessel used in summer can be used in winter.

Heater is eight inches in diameter, made of heavy galvanized metal, and comes equipped with cord and plug, ready to attach and use. Built to last. Money promptly refunded if unsatisfactory after ten days' trial.

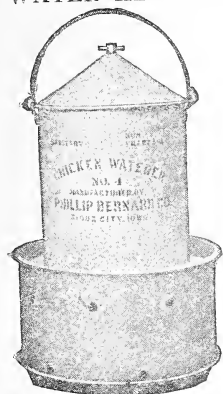


Extra Eggs Soon Pay For This Wonderful Heater

When ordering, state voltage. PRICE, ONLY \$2.50.

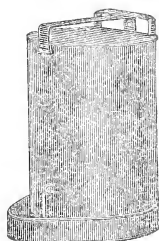
POULTRY FOUNTAINS AND FEEDERS

WATER HEATER



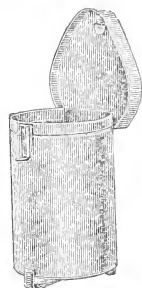
2 Gal.\$3.50
 5 Gal.\$4.50
 10 Gal.\$7.50

**1-GALLON
 DROP
 BOTTOM
 FOUNTAIN**



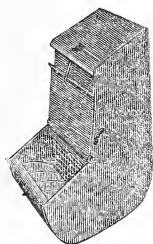
Each\$1 15

**2-GALLON
 DROP
 BOTTOM
 WATER
 FOUNTAIN**



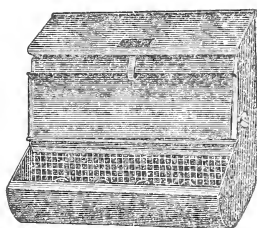
Each\$1.60

**12-INCH
 DRY MASH
 HOPPER**



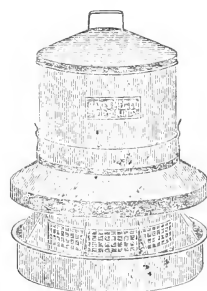
Each \$1 50

**20-INCH DRY MASH
 HOPPER**



Holds half bushel.
 Each \$2 00

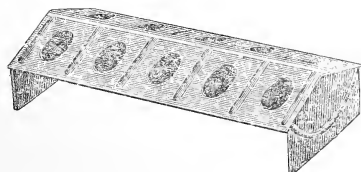
ROUND FEEDER



Made of galvanized iron; holds about 1 peck.

Each \$1.25

**GALVANIZED BABY CHICK
 FEEDER**



20 inches long; has 10 feeding holes; prevents waste of feed, top easily removed for cleaning.

Each 50c

**FOR WATER OR
 FEED**

Will fit any Mason jar; galvanized.

Each 10c

Charcoal Tin for feeding buttermilk.

Each 15c



Water or Feed Jar

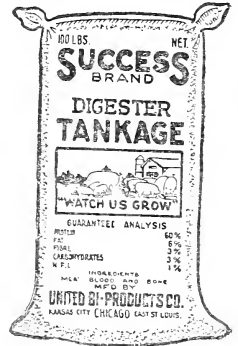
SUCCESS BRAND DIGESTER TANKAGE

60% PROTEIN.

Recognized as the most economical, High Protein Feed on the market. Successful hog feeders use Tankage the year round. Shortens the feeding period, increases your poundage of marketable pork, reduces feed cost per pound pork produced.

Produces bone and muscle and strengthens the hogs to resist disease germs.

Ten lots	\$70.00
100 lb. Lots	\$3.75
25 lbs.	\$1.00



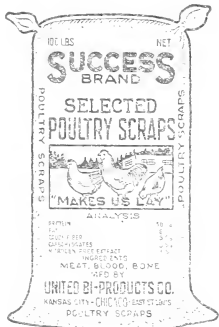
SUCCESS SELECTED POULTRY SCRAPS

The finest possible source of animal protein for chickens—"an absolute necessity for year round egg production." Supplies correct proportion of protein and phosphates for economical growth and consistent production results.

Mixes readily in mashes, balances your grain feeds when used in proper proportion.

"Hens That Lay Are the Hens That Pay"
 Feed Selected Poultry Scraps.

Tons lots	\$75.00
100 lb. lots	\$4.00
50 lb. lots	\$2.25



POULTRY BONE (In Two Sizes)

Coarse, medium, for hens and chicks — 25% protein, 2% fat, 50% phosphate. 100 lbs., \$3.50; 50 lbs., \$1.85. Smaller quantities, 5c per lb.

BLOOD MEAL AND BLOOD FLOUR

(80% Protein)

(80% Protein)

100 lbs., \$6.00; 50 lbs., \$3.25. Smaller quantities, 6 1/2c per lb.

Send Us Your Orders. We Carry a Full Line of Animal and Poultry Feed.

Important Things We Can Furnish the Poultryman

See Special Display Page in this Catalogue for
Meat Scrap, Digester Tankage and Poultry Bone

LINSEED MEAL. (Old Process.)

A good conditioner for either stock or poultry.

12 lbs., 50c; 50 lbs., \$1.60; 100 lbs., \$3.00.

DRIED BUTTERMILK.

The feeding of Dried Buttermilk is increasing rapidly among poultry and hog raisers. It is especially good for young chicks and pigs.

2 lbs., 25c; 10 lbs., \$1.10; 100 lbs., \$10.

GROUND CHARCOAL.

Absorbs acids in sour food. Two sizes—hen and chick.

10 lbs., 50c; 50 lbs., 2.00; 100 lbs., \$3.50.

LIMA SHELL, OR LIME GRIT.

Hen size—100 lbs., \$1.00.

Chick size—10 lbs., 20c; 50 lbs., 75c; 100 lbs., \$1.25.

PIGEON GRIT.

Dalton's Pigeon Health Grit prevents sore mouth and canker so commonly known among pigeon raisers.

100 lbs., \$2.25.

ALFALFA MEAL.

Best grade finely ground, bright green Alfalfa Meal—a substitute for green feed.

10 lbs., 30c; 50 lbs., \$1.25; 100 lbs., \$2.00.

POULTRY MEDICINAL DEPARTMENT

In addition to handling Pratts, Conkey's International, Geo. H. Lee's, and Dr. LeGear's Remedies and Foods, we have the following, which will be found useful and economical to every poultry man:

SODIUM FLUORIDE.

A powder, highly recommended by the U. S. Bulletins for killing lice on chickens, canary birds, hogs or cattle. In warm weather, may also be used as a dip. 1 lb. to five gallons of water.

1 lb., 40c; 10 lbs., \$3.50.

PERMANGANATE OF POTASH.

Given occasionally in the drinking water often prevents many diseases.

Oz., 10c; ¼ lb., 35c; lb., \$1.00.

CRUDE CARBOLIC ACID.

Many prefer this as a disinfectant and deodorant for all poultry houses and out-buildings. Kills lice, mites and disease germs. The most economical and effective spray we have.

Qt., 35c; ½ gal., 60c; 1 gal., \$1.00.

HILLCREST LOUSE PASTE.

Will kill every louse on a chicken, and keep them free. Hillcrest Louse Paste applied every six months will positively keep the fowls free from lice. Full directions on each can, easily applied.

Per can—50c.

EPSOM SALTS.

Occasionally a dose of salts should be given to poultry and stock. This may be given in the drinking water with good results.

Lb., 10c; 10 lbs., 75c.

SULPHUR.

For those who desire to feed a little Flowers of Sulphur in their mash occasionally, we have it.

Lb., 10c; 10 lbs., 85c; 100 lbs., \$6.00.

OAKLEY-PATE'S BUTTERMILK STARTER FOR BABY CHICKS HELPS PREVENT DISEASE AND PROMOTES A MORE RAPID GROWTH.

The Shield
of Quality



Your Guide
Against Doubtful
Results

MAKE YOUR SPRING SPRAYING EFFECTIVE!

It Will Insure Full Fruiting.

The better the Spray Materials you use, the greater the crop your trees will yield — and the greater will be your year's profit. A sure way to insure sound fruit is to use

“Orchard” Brand Insecticides

We are distributors on this line in Joplin and can supply the following standard items for immediate delivery and shipment.

Arsenate of Lead—Powdered

The most commonly used Arsenical Poison for protection against chewing insects common to Fruit Trees, Shade Trees, Shrubby, Flowers and Vegetables. “Orchard” Brand Lead contains sufficient spreader to cover fruit and foliage effectively — not necessary to add further spreader.

Price—In 4 lb. bags, \$1.00; in 1 lb. bags, 30c; 100 lbs., \$20.00, not post-paid.

Bordeaux Mixture, Powdered

The standard Copper Fungicide for control of various diseases on plants and trees. “Orchard” Brand Bordeaux Mixture is a definite and stable chemical compound—a SAFE, FACTORY-MADE and CHEMICALLY-BALANCED product, and will do more effective spraying at lower costs.

Price—In 4 lb. bags, \$1.00; in 1 lb. bags, 30c; not post-paid

B. T. S. (Barium Tetrasulphide) Powdered

A convenient and effective remedy for controlling certain scale insects in the dormant period; also, as a fungicide in connection with Arsenate of Lead, in growing periods. Can be used in all spraying operations where it is safe to use Liquid Lime-Sulphur. Replaces so-called Dry Lime-Sulphur.

Price—In 10 lb. cans, \$1.90; in 5 lb. cans, \$1.00.

Arsenite of Zinc, Powdered

The most active Arsenical poison that can be used in control of potato beetle, and striped flea beetle on tomato plants, with consistent safety. STICKS TO THE VINES—WILL NOT WASH OFF—WILL NOT BURN.

Price—In 4 lb. bags, \$1.00; in 1 lb. bags, 30c.

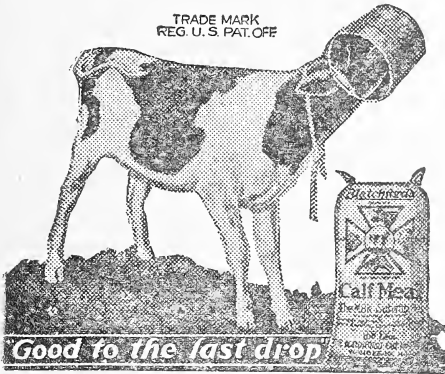
GET A COPY OF OUR SPRAY DIGEST. YOURS FOR THE ASKING.

***Blatchford's* CALF MEAL**

First on the Market—

First in Quality—

—First in Results.

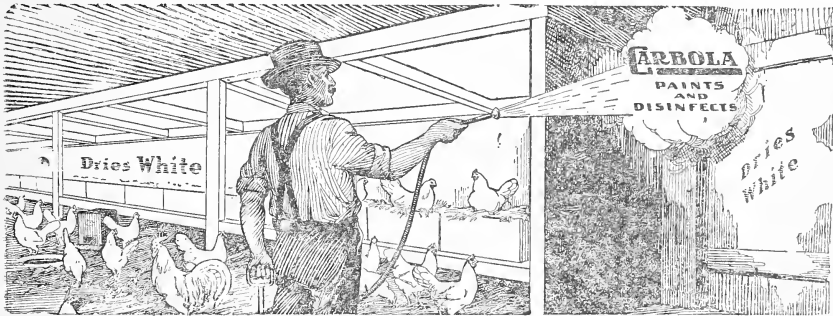


BLATCHFORD'S CALF MEAL is the ORIGINAL milk-substitute. It was the FIRST on the market. For over a third of a century it has been most successfully used in raising calves by the most progressive farmers and dairymen in this country. It is the ONLY Calf Meal backed by so remarkable a record.

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will PAY you to use it.

Satisfaction Guaranteed
With Every Bag.

25-lb. Bags—\$1.50.



CARBOLA

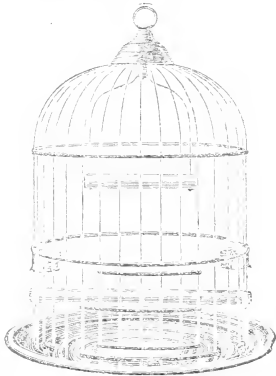
is a white paint in powder form, combined with a disinfectant many times stronger than carbolic acid. It is non-poisonous and non-caustic, harmless to chicks or stock. It kills lice, mites, fly eggs, and helps prevent contagious diseases.

CARBOLA is turned into a smooth-spreading liquid paint by mixing with water. It can be applied to wood, brick, stone or cement surfaces, or over whitewash, with either a brush or spray. It will not clog the sprayer, and does not flake, blister or peel off. It dries a clear, snow-white. One gallon (less than 10c worth of powder) paints, and disinfects 200 square feet. It does not spoil by standing, and has no disagreeable odor to taint milk or feed products.

5 lb. pkg., 75c; 10 lb. pkg., \$1.25; 50 lb. sack, \$5.00—Not Prepaid.

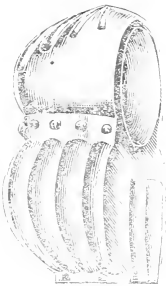
CANARY BIRDS, CAGES AND FEED

PARROT CAGES



- No. 75—13 inch dia., 21½ in. high.
 Each \$5.50
 No. 80—14 in. dia., 23 in. high.
 Each \$6.00

FEED AND WATER CUP



- Clear Glass—Each 15c
 Opal Glass—Each 20c

BIRD MANNA

A positive necessity to every canary. Keeps them in constant song, improves their plumage and prevents disease. A cure for loss of song. Pkg., 15c.

BIRD BITTERS OR TONIC

Ten drops of Bird Bitters in the drinking water daily will carry the birds through moulting without the loss of song. 2 oz. bottle, 25c.

MIXED BIRD SEED

We buy our Bird Seed from the importers in original packages, thereby securing fresh, clean seed at all times. Our mixture is a formula used by a man who raised canaries for market. It is a well-balanced food, without too much hemp.

Lb., 15c; 10 lbs., \$1.25.



CUTTLEBONE

Cuttlebone is as essential to canaries as oyster shell to chickens.

Large pieces—5c; lb., 75c.

BIRD SAND—Kiln-dried Bird Sand, lb., 5c.

LICE POWDER for Canary Birds—oz., 10c.

CANARY SEED

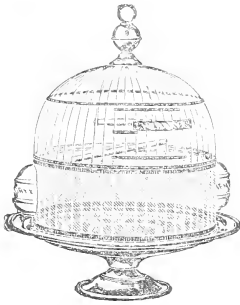
New crop, re-cleaned seed.

Lb., 15c; 10 lbs., \$1.25.

HEMP—Large, plump, clean grains; lb., 15c; 10 lbs., \$1.25.

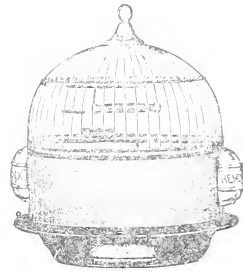
RAPE—We do not handle miscellaneous seeds, commonly called Bird Rape, but have the best selected Dwarf Essex for seed purposes. Lb., 15c; 10 lbs., \$1.25.

CANARY BIRD CAGES AND SUPPLIES (Continued)



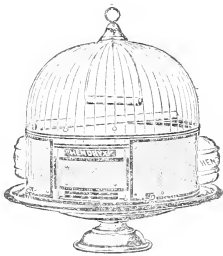
With Extra Top Rail and Wire Guard

No.		Price Each
274	—10 $\frac{1}{8}$ in. dia., 15 $\frac{3}{8}$ in. high.....	\$4.10
275	—11 in. dia., 15 $\frac{3}{8}$ in. high.....	\$4.90
276	—11 $\frac{3}{4}$ in. dia., 17 $\frac{1}{4}$ in. high.....	\$5.30



With Brass Wire Guard

No.		Price Each
1274	—10 $\frac{1}{8}$ in. dia., 13 $\frac{3}{8}$ in. high.....	\$3.20
1275	—11 in. dia., 13 $\frac{3}{4}$ in. high.....	\$4.30
1276	—11 $\frac{3}{4}$ in. dia., 15 $\frac{1}{4}$ in. high.....	\$4.80

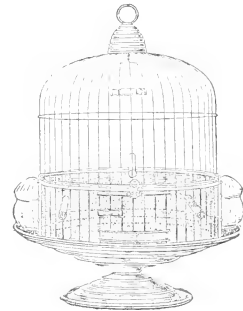


With Guard Attached

No.		Price Each
6	10 $\frac{1}{4}$ in. dia., 14 $\frac{1}{8}$ in. high.....	\$3.35
6 $\frac{1}{2}$	—10 $\frac{7}{8}$ in. dia., 14 $\frac{3}{8}$ in. high.....	\$3.75
7	12 in. dia., 14 $\frac{1}{2}$ in. high.....	\$4.30

All White or Ivory Finishes
Optional.

Bird Bitters keep the birds in constant song—Bottle25c



Plain or With Brass Wire Guard

No.		Price Each
5006	—10 x7 in., 11 $\frac{3}{4}$ in. high.....	\$2.85
5008	—10 $\frac{5}{8}$ x7 $\frac{3}{8}$ in., 12 $\frac{1}{8}$ in. high.....	\$3.40
5010	—13 x8 $\frac{1}{4}$ in., 13 $\frac{1}{4}$ in. high.....	\$4.05

Bird Nesting—Pkg.15c

Nesting Food, especially for feeding young birds—pkg.15c

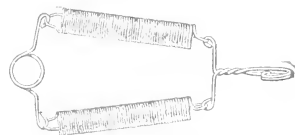
NUTRICA.—A mixture of wild flower and garden seeds—a tonic and natural remedy for loss of song and shedding out of season. Pkg., 20c.

SINGLE SPRINGS



No. 160—Brass Plated, each.....15c

DOUBLE SPRINGS

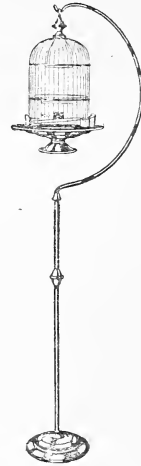


No. 190—Brass Plated—Each20c

CANARY BIRD CAGES AND SUPPLIES (Continued)



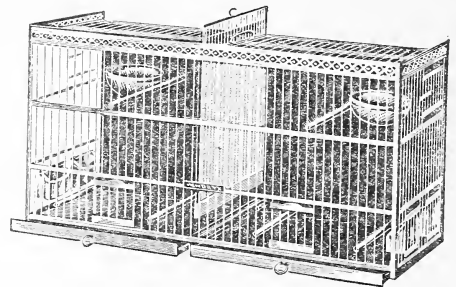
No. 17A—Polished Brass, Black Base...\$5.00
 Iron Base, Tubing Upright, Solid Arch.
 Height—5 feet, 7 inches.



No. 18A—Polished\$6.00
 Brass Tubing Upright and Solid Arch
 Weighted Brass—Height, 5 ft., 7 in.



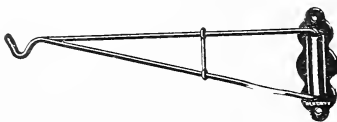
No. 2—7½ in. dia., 15 in. high.....\$1.70
 3—8⅝ in. dia., 15 in. high.....\$2.05
 4—9¼ in. dia., 16½ in. high.....\$2.50
 5—10¼ in. dia., 17⅞ in. high.....\$2.75



JAPANNED
 ALL-METAL BREEDING CAGES
 Double Breeding Cage, White Enamelled,
 Green Trimmed.

With solid and wire partitions, metal drawer, and closed back, four glass cups, six perches and two nests.

SWINGING HOOK



No. T—Brass Plated, 10 in. long, ea. 20c

No. 86—19½x10 in., 14¾ in. high.....\$5.55
 87—22 x11 in., 16¼ in. high.....\$6.15
 88—24½x12½ in., 17 in high.....\$7.55

Bird Bitters keep the birds in constant song—Bottle25c

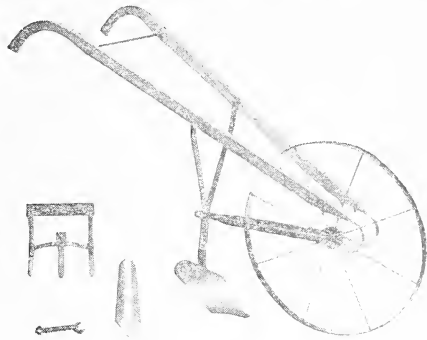
HIGH WHEEL GARDEN CULTIVATORS

Hardwood handles; steel frame and wheel. Neatly finished in black and red.

Adjustable to three different heights.

Complete with crucible steel shovel; calf tongue, one combined weeder and cultivator, with three teeth; one mould-board and wrench. Each, \$3.50.

All metal frame, with the same cultivating attachments—
Each, \$4.00.



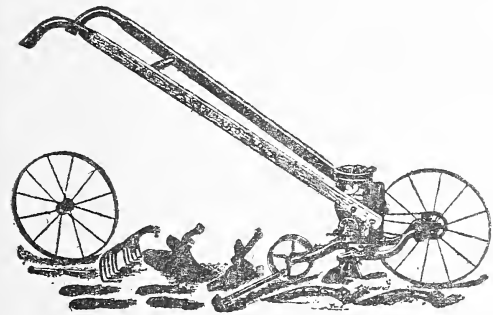
GARDEN SEEDERS AND CULTIVATORS.

STANDARD.

Hopper, frame, and wheels painted black; attachments painted green. This combination tool is easily changed from a double to a single wheel cultivator, and, with the hill and drill seeder attachment combines three practical tools in one.

Will plant seed in hills 4, 6, 8, 12, and 24 inches apart or drill in a continuous row. The index for regulating the flow of seed in plain view and easily adjusted with a brass thumb screw. The flow of seed may be instantly stopped by pulling out seed side as far as it

will pull it back to position. Complete as shown, four shovels, one pair hoes, one pair diamonds, one pair rakes, two leaf guards and wrench. Each.....\$15.75



Combination Hill and Drill Seeder, Cultivator, Hoe, Plow, and Rake.

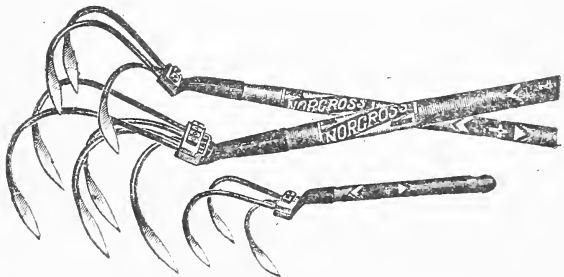
will pull it back to position. Complete as shown, four shovels, one pair hoes, one pair diamonds, one pair rakes, two leaf guards and wrench. Each.....\$15.75

NORCROSS

HAND WEEDER.

PRICES:

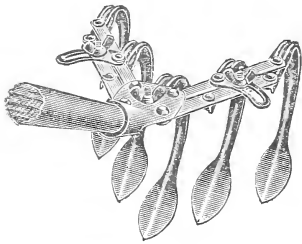
- 5-prong, 4-ft. handle, weight, 3 lbs.....\$1.15
- 3-prong, 4-ft. handle, weight, 2 lbs.....85c
- "Midget," 9-inch handle, weight, 12 oz.....45c



In addition to the articles shown on this page, we handle One-Horse Turning Plows and Cultivators, Spading Forks, Hoes, Rakes, Corn Planters, and Broadcast Seeders.

Rubber Hose, Nozzles, and Sprinklers. Prices on application.

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.



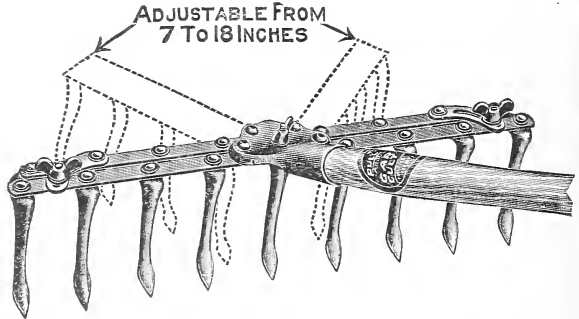
HUDSON CULTIVATOR HOE.

The Cultivator Hoe is light, well balanced and instantly adjustable to cultivate rows from 6 to 12 inches apart. The teeth are high carbon steel, reinforced by heavy channeling and convexed so as to scour well. They work at a uniform depth in the soil, insuring thorough cultivation.

No. PE5. Cultivator Hoe.....\$1.25

HUDSON CULTIVATOR RAKE

A range of adjustment from 6 inches—suitable for the narrowest rows—to 18 inches, the maximum width, gives the Cultivator Rake a wide range of service. It has 9 teeth of high carbon steel, so shaped as to penetrate the ground, stir it up, and pulverize it thoroughly without any downward pressure on the handle. Middle tooth may be removed to cultivate both sides of the row at the same time.



Middle tooth may be removed to cultivate both sides of the row at the same time.

No. PE9. Cultivator Rake\$1.60



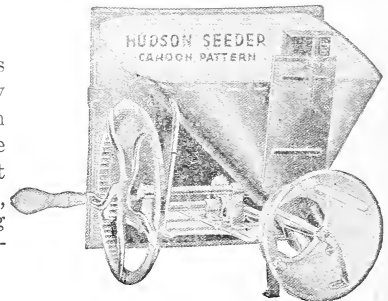
CYCLONE SEEDER

Sows Clover, Timothy, Alfalfa, Oats, Rye, Wheat, Buckwheat, Red Top, Millet, Turnip, Corn, Cotton, Bone Dust, Land Plaster, Fertilizer, etc., accurately and as heavily as desired. Such features as a slope feed board, automatic feed adjustment, distributing wheel to insure uniform spread, etc., make it unusually popular.

Each\$2.00

HUDSON HAND SEEDER.

A very satisfactory pattern and a leader in its class. Of very durable construction, yet so easily adjusted and controlled that operator uses it with perfect freedom. Flow of seed is obtained by use of a gate which can be adjusted instantly to fit seed to be used. Sows Oats, Wheat, Barley, Rye, and all other grains and grass seeds at a saving of at least one-third of seed used by other methods.



Packed one in fibre carton. Weight, 10 pounds.

No. 9 Hand Seeder.....Price, each, \$4.00

Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden and Flower Seeds, Within the Fifth Zone.

“KEEP IT IN STONWARE” MAPLE LEAF STONE JUGS.

Stoneware is the ideal container for all foodstuffs and provisions. Every kitchen, pantry and storeroom should have a complete equipment of types and sizes of stoneware, jars, crocks, and jugs.

No other containers have the advantages of Stoneware. No others preserve the quality and flavor of food so well. No others afford such a guarantee against spoilage, or deterioration and waste. A complete equipment of stoneware means constant savings, better food at less expense. These are the reasons for Stoneware's superiority:

1. Stoneware keeps moisture in or out, as necessary. Keeps moist foods moist, or dry foods crisp and dry.
2. Retains flavors perfectly.
3. Protects against light exposure, which often affects quality, flavor, and color.
4. Resists temperature changes.
5. Protects against fermentation.
6. Is absolutely sanitary—easily cleaned.
7. Is impervious to all acid and chemical reactions.
8. Never wears out.
9. Ideal for baking purposes.

¼ Gal. Jug—each.....10c	1 Gal. Syrup Jugs.....22c
½ Gal. Jug—each.....17c	1 Gal. Wide Mouth Jugs.....22c
1 and 2 Gal. Jug—per Gal.....22c	2 to 6 Gal. Water Jars.....23c
3 to 5 Gal. Jug—per Gal.....23c	6 to 12 Gal. Water Jars.....24c

Gray Stoneware Combinetts, or Slop Jars, With Bale and Cover—each.....\$1.00
Doz.....\$8.00

Bowls and Pitchers—Each.....\$1.75	Dozen\$16.50
------------------------------------	--------------------

FOR PACKING.

Large stoneware jars are particularly desirable for packed or pickled meats. Their sanitary character, their resistance, to all acid and chemical reactions, and their permanency, make them incomparable to barrels, wooden tubs or other containers.

Because of the characteristics already explained meats, vegetables, pickles and fruits keep better when packed in stoneware.

The cost of eggs can be very much reduced by packing them when they are cheap in stone jars.

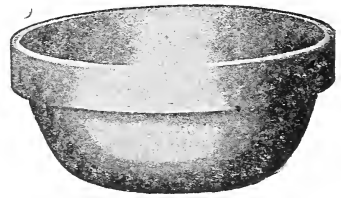
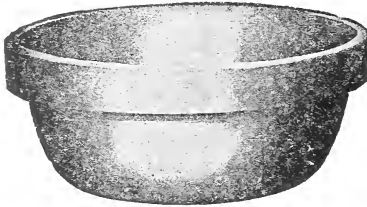
- 1 to 10 Gal. Jars—20c per gal.
- 12 to 50 Gal. Jars—22c per gal.



STONE JARS

STONEWARE—(Continued)

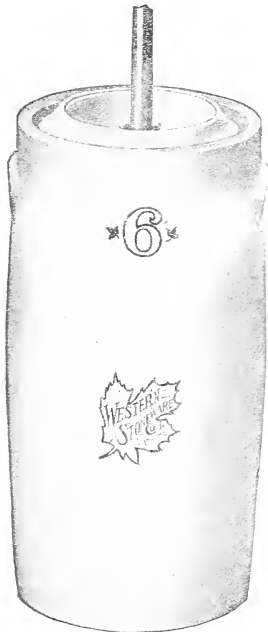
“SANITARY FOOD CONTAINERS”



SMOOTH, HARD-BURNED, BRISTOL-GLAZED MILK PANS.

Make excellent mixing bowls. They will not absorb. Strong clay body, not easily broken. Sizes, ¼ gal to 3 gal.
 ¼ gal., each—10c. ½ gal., each—15c. 1 to 3 gals., per gal.—20c.

THE OLD-FASHIONED “BARREL-SHAPED, BRISTOL-GLAZED CHURN.



Hard-burned and exceptionally well glazed. Easily cleaned. Good fitting covers. Churns and Covers make excellent pickle containers; also used in which to pack eggs. Dashers can be supplied at a low price. Sizes, 1 to 6 gal.

1 to 6 gal. Churns, per gal., 22c.
 Lids and Dashers—each, 22c.

WHITE FLUTED FLOWER POTS AND SAUCERS

In All Sizes.

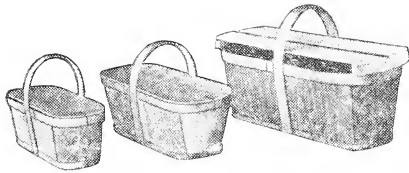


The best all-around selling Pot on the market. Are very serviceable and ornamental. In addition to the above, we carry a full and complete line of all Maple Leaf Stoneware products. Buying in car-lots, we respectfully solicit the dealer's patronage.

Size, inches in diameter—	2½	3	4	5	6	7	8	9	10	12	14
Price	3c,	5c,	8c,	15c,	20c,	30c,	40c,	60c,	75c,	\$1.25,	\$2.25.

THE POPULAR PACKAGES FOR SHIPPING FRUITS AND VEGETABLES

CLIMAX BASKETS

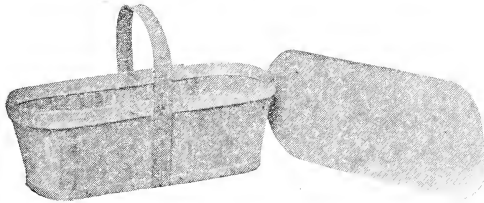


3 lb. 5 lb. 10 lb.

We do not carry the 3-lb.

5-lb. Baskets, used largely for packing grapes, per 100\$4.60
Per 1000\$37.50

10 LB. CLIMAX BASKET



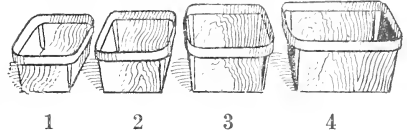
Per 100—\$10.00; doz., \$1.20

SINGLE HANDLE DIAMOND MARKET BASKET



Each10c
Dozen, 90c. 100.....\$7.50

Repacking Baskets and Berry Boxes



1 2 3 4

Nos. 1 and 2, Repacking Basket, for shipping and displaying fruits and vegetables; hold 3 to 4 lbs.; 500 to a crate.

Per Crate\$7.50

No. 3—Pint Berry Boxes; packed 1,000 to a crate.

Per Crate\$8.60

No. 4—Quart Berry Boxes.

Per 1,000\$8.50

BUSHEL BASKET



Without Lids

Doz. \$1.75

With Lids

Doz. \$2.00

DOUBLE OR DROP HANDLE DIAMOND MARKET BASKET



Each10c
Dozen, 90c—100\$7.50

Standard 24-Quart Berry Crates, Complete—per 100\$35.00

Standard 24-Pint Berry Crates, Complete—per 100\$33.00

REFERENCE TABLES

Legal and Customary Weights Per Bushel and Quantities Usually Sown Per Acre.

	Quantity Per Acre.	Lbs. Per Bu.		Quantity Per Acre.	Lbs. Per Bu.
Alfalfa	15 to 20	lbs.....60	Lawn Grass.....	1 lb. to 200 sq. ft.	
Buckwheat	30 to 60	lbs.....50	Millet—German & Com.....	30 to 50 lbs.....	50
Bluegrass—Kentucky	30 to 40	lbs.....14	Millet—Pearl or Cat-tail.....	10 to 12 lbs.....	56
Beans—Garden	1 bu.....	60	Mustard	10 to 12 lbs.....	58
Beans—Soya	40 to 60	lbs.....60	Milo Maize—in drills	8 to 12 lbs.....	56
Beans—Castor	4 to 5	lbs.....46	Onion Sets—Bottom	224 lbs.....	32
Beans—Lima	40 to 60	lbs.....56	Onion Sets—Bottom	224 bu.....	32
Beans—Navy	30	lbs.....60	Onion Sets—Top		28
Bermuda Grass	5	lbs.....30	Orchard Grass	30 to 40 lbs.....	14
Broom Corn	8 to 12	lbs.....46	Peas, broadcast	120 to 150 lbs.....	60
Clover—White	6 to 8	lbs.....60	Peas—Garden	120 to 150 lbs.....	60
Clover—Red	8 to 12	lbs.....60	Peanut	6 lbs.....	22
Clover—Alsike	8 to 10	lbs.....60	Potatoes—White or Irish.....	480 lbs.....	60
Clover—Crimson	10 to 15	lbs.....60	Potatoes—Sweet, 11,000 to 15,000 plants.....		50
Clover—Mammoth	30 to 60	lbs.....60	Red Top, fancy, solid seed.....	10 to 12 lbs.....	14
Cow Peas	30 to 60	lbs.....60	Red Top, chaff	30 to 40 lbs.....	14
Corn—Shelled	7	lbs.....56	Rape, Dwarf Essex, broadcast.....	5 lbs.....	50
Corn—Pop	6 to 8	lbs.....	Rye	80 to 100 lbs.....	56
Cane or Sorghum, drills.....	8 to 12	lbs.....50	Ryegrass, English or per.....	30 to 40 lbs.....	24
Cane or Sorghum, broadcast.....	75 to 100	lbs.....50	Ryegrass, Italian	30 to 40 lbs.....	24
Fescue—Meadow	1 to 1½	bu.....48	Sorghum—Drills	8 to 12 lbs.....	56
Hungarian Millet	½ to 1	bu.....48	Sorghum—broadcast	60 to 100 lbs.....	56
Johnson Grass	1	bu.....25	Sweet Corn	10 lbs.....	
Jerusalem Corn, in drills.....	8 to 12	lbs.....56	Timothy	12 to 20 lbs.....	45
Kafir Corn, in drills.....	8 to 12	lbs.....56	Wheat	90 to 120 lbs.....	56
Kafir Corn, broadcast	7 to 100	lbs.....56			

Quantity of Seed Required to Produce a Given Number of Plants, Giving Length of Rows and Number of Hills.

Asparagus, 1 oz. to 500 plants.
 Beans, Dwarf, 1 qt. to 100 feet of row.
 Beans, Pole, 1 pt. to 100 hills.
 Beets, Garden, 1 oz. to 50 feet of row.
 Beets, Mangel or Stock, 1 oz. to 100 feet of row.
 Cabbage, 1 oz. to 4000 plants.
 Beets, Garden, 1 oz. to 50 feet of row.
 Cauliflower 1 oz. to 3000 to 4000 plants.
 Celery, 1 oz. to 6000 to 8000 plants.
 Collards, 1 oz. to 5000 plants.
 Corn, Sweet, 1 pt. to 100 hills.
 Cucumber, 1 oz. to 50 hills.
 Egg Plant, 1 oz. to 1500 plants.
 Endive, 1-3 oz. to 100 feet of row.
 Horse Radish Roots, 10,000 to 15,000 plants.
 Kale, 1 oz. to 4000 plants.
 Kohl Rabi, 1 oz. to 3000 plants.
 Lettuce, 1 oz. to 2000 plants.
 Melon, Water, 1 oz. to 30 hills.

Melon, Musk, 1 oz. to 50 hills.
 Mustard, 1 oz. to 100 feet of row.
 Okra, 1 oz. to 100 feet of row.
 Onion Seed, ½ oz. to 100 feet of row.
 Onion Sets, bottom, 1 qt. to 30 feet of row.
 Onion Sets, top, 1 qt. to 40 feet of row.
 Parsnips, ½ oz. to 100 feet of row.
 Parsley, ½ oz. to 100 feet of row.
 Peas, Garden, 1 qt. to 100 feet of row.
 Peas, field, broadcast.
 Pepper, 1 oz. to 1000 plants.
 Pumpkin, ½ lb. to 100 hills.
 Radish, 1 oz. to 100 feet of row.
 Salsify, 1 oz. to 50 feet of row.
 Spinach, 1 oz. to 50 feet of row.
 Squash, 1 oz. to 25 hills.
 Tomato, 1 oz. to 3000 plants.
 Tobacco, 1 oz. to 4500 plants.
 Turnip, 1 oz. to 200 feet of row.

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WE CARRY A COMPLETE LINE OF SPRAYERS AND
 SPRAYING MATERIALS, WITH FULL INSTRUCTION
 OF WHAT TO USE AND WHEN TO USE IT.

BABY FOOD FOR BABY CHICKS



A dozen years ago old chick raising methods were revolutionized by the introduction of

Pratt's

Buttermilk Baby Chick Food

the original "baby food for baby chicks." As a result it is today possible to raise every liveable chick by using this splendid feed for the first three or four weeks of a chick's life. That is the critical period when the use of Pratt's Buttermilk Baby Chick Food will more than pay for itself in the extra chicks you save.

Pratt's Buttermilk Baby Chick Food is made of the most carefully selected, high grade ingredients skillfully prepared so that it is mechanically predigested. It furnishes everything needed for health, growth and a sturdy foundation. Leg weakness, diarrhea and other chick troubles are unknown where Pratt's is used.

Don't waste time, chicks or money on imitations of Pratt's. We guarantee it will give complete satisfaction. In 2½ and 5¾ lb. pkgs. and in 10, 14, 25, 50 and 100 lb. bags.

Pratt's

Buttermilk Baby Chick Food

"Life Insurance for Chicks"

PRATTS PREPARATIONS MEAN HEALTH



For Health and Eggs *Pratt's* Poultry Regulator

has no equal. It is the world's original poultry regulator and has been the standard for over 50 years. Not a dope or stimulant but a natural tonic supplying numerous health necessities required by heavy laying hens and breeding stock. Tones up the system, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Added to any mash it makes more eggs. Use it the year round and make bigger profits. Guaranteed to give satisfaction or your money back. 25c., 50c. and \$1.00 pkgs. 12 lb. pail \$1.65; 25 lb. pail \$3.00; 50 lb. drum \$5.50; 100 lb. drum \$10.00.



Pratt's Condition Tablets

Not only for show birds but for all fowls that are out of condition and need toning up. Valuable for treating individual birds that are "off their feed." Efficient in treating colds, liver and digestive troubles. Always keep a box at hand. 25c. and 50c. per pkg.

Pratt's Bronchitis Tablets

afford quick relief for wheezing, rattling and whistling in the throat. Keep a box on hand and prevent further trouble or losses. 25c. and 50c. per box.



Pratt's Gape Compound

made in two forms for either external or internal use. Equally effective and a safe and quick remedy for gapes in chicks. Use it as a preventive and avoid heavy losses from this trouble. Fully guaranteed. 25c. and 50c. pkgs.



Pratt's Powdered Lice Killer

A powerful and economical lice killer that quickly rids your fowls of these profit eating pests. Use it on the poultry, in the nests and dust boxes, etc. Also used to free horses, cows, sheep, dogs, cats, etc., from lice, fleas and other vermin. Easy, safe and effective to the highest degree.

In handy sifter top cans 25c. and 50c.



Have a Poultry Medicine Chest

and in it keep a supply of remedies that will enable you to treat disease just as soon as you notice it. A few hours delay may lose you valuable fowls. Pratt's Poultry Remedies are guaranteed, so keeping a supply on hand is cheap health insurance for your fowls.

Pratt's

Pratt's Special Compound

For all sorts of digestive troubles commonly known as "cholera," such as indigestion, diarrhea, sour crop, dysentery, etc. this remedy offers a safe, sure and quick relief. Can be used as a preventive as well as remedy. Always have a package in your poultry medicine chest. 25c. and 50c. per pkg.



POULTRY HEALTH MEANS PROFIT

Cleanliness Means Poultry Health

Pratts, Poultry Disinfectant



Insures poultry health. A cheap, powerful, non-poisonous disinfectant. A gallon makes a barrel of disinfecting solution. Use it freely. Spray it about the poultry houses, roosts, dropping boards, nests and wherever a strong disinfectant is needed. Acts as a deodorizer, germicide, and liquid lice killer. Effective in the treatment of roup, colds and contagious diseases.

1 qt. 55c.; 2 qts. 90c.; 1 gallon \$1.50.



Pratts,

Roup Remedy

(Tablets or Powder)

Use it as a treatment or preventive. An easy powerful remedy with a long record of success in the treatment of colds, roup, diphtheria, catarrh, etc. Keep a box always at hand, guaranteed to give satisfaction.

25c. and 50c. pkgs.



Pratts,

White Diarrhea Remedy

Use this in the chicks drinking water for the first ten days and you will avoid losses from white diarrhea and like bowel troubles. This is "life insurance," for chicks that will save you dollars. Very easy to use and fully guaranteed.

25c. and 50c. pkgs.

Pratts,

Sore Head Chicken Pox Remedy

A safe, sure and powerful remedy that will prevent as well as cure this disease. Tones up the system, heals the sores and prevents spread of the disease. Easy to use, you should always keep a package in your chest so you can treat your hens promptly. It may mean saving your flock.

25c. and 50c. per pkg.



Pratts, Red Mite Special

is a powerful preparation put up specially to rid flocks of red mites, ticks, blue bugs, fleas and like blood sucking vermin. It should be sprayed or painted on the roosts, dropping boards, nest boxes, and in all cracks. One application is effective for months. Many times more powerful and effective than ordinary liquid lice killers.

1 quart 50c.; 1/2 gallon 90c.; 1 gallon \$1.50.



Pratts, Scaly Leg Ointment

A simple, strong, guaranteed ointment, easy to apply, that will quickly cure the most stubborn case of scaly leg. Don't have lame birds that don't lay, use this ointment and have a healthy flock. 25c. and 50c. per can.

Head Lice Ointment

has stronger, healthier chicks. 30c. per can.

Rub a little of this special ointment on the head and under the wings of each little chick and you will not only avoid losses from head lice but also



Here's What Pratts Guarantee Means

Pratts are the oldest and largest manufacturers of stock and poultry preparations in America. They have had over half a century's experience and their remedies have been in successful world-wide use on the largest and smallest flocks and herds. Therefore every Pratt Remedy is guaranteed to give satisfaction or your money will be refunded.



Pratts,

HANDY CHART OF POULTRY DISEASES

BRAIN—Congestion of

Dizziness
Staggering
Twisting head
Use Pratts Poultry Regulator.

BRONCHITIS

Difficult breathing
Whistling or rattling in throat.
Use Pratts Bronchitis Tablets.

CANKER

Cheesy patches in throat
Use Pratts Poultry Disinfectant.

CHICKEN POX or "SOREHEAD"

Scabs or sores on head and comb
Use Pratts Sore-head Chicken Pox Preparation.

"CHOLERA"

A term applied to bowel and digestive troubles
Use Pratts Special Compound.

COLDS

Watery or swollen eyes
Nasal discharge
Sneezing
Use Pratts Roup Tablets.

DEPLUMING MITE

Patches bare of feathers
Use Pratts Lice Salve.

DIPHTHERIA

Similar to roup
Gray patches in throat
Fever
Use Roup Tablets.

DIARRHEA

Use Pratts Special Compound.

GAPES (in chicks)

Gasping, choking, coughing
Red, thread like worms in windpipe
Use Pratts Gape Compound.

INDIGESTION

Watering at mouth
Darkened comb
Use Pratts Special Compound.

LEG WEAKNESS (in chicks)

Too high brooder-heat
Improper food
Use Pratts Baby Chick Food.

LIVER DISEASES

Listlessness
Darkened comb
Use Pratts Poultry Regulator.

"PASTING UP" (in chicks)

Chilling
Improper feeding
Use Pratts Baby Chick Food.

"PIP"

Cough
Hardened tongue
Use Pratts Condition Tablets.

RHEUMATISM

Lameness
Swollen joints
Use Pratts Liniment.

ROUP

Nasal discharge
Foul odor
Swollen eyes and face
Use Pratts Roup Tablets.

SCALY LEGS

Scaly, rough legs
Use Pratts "Scaly" Leg Ointment.

VENT GLEET

Sore vent
Offensive discharge
Use Pratts Poultry Disinfectant.

WHITE DIARRHEA (in chicks)

Sleepy, droopy
Short backs, long heads
Use Pratts White Diarrhea Tablets.

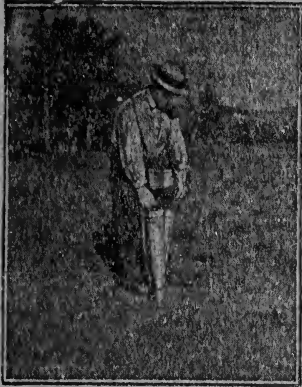
LICE

Restless, picking
Shaking heads
Unthriftiness
Use Pratts Powdered Lice Killer or Pratts Lice Ointment.

RED MITES

Pale combs, weakness
Loss of weight
Use Pratts Red Mite Special.





GARDENERS AND TRUCK GROWERS

**SAVE
Time—Labor—Money**

AND MAKE

Better Quality Crops

BY USING

MASTER'S RAPID PLANT SETTER

For Transplanting

Cabbage, Tomatoes, Sweet Potatoes, Tobacco,
Cauliflower, Strawberries and All Similar Plants.

A PRACTICAL LABOR-SAVING TOOL

Any ordinary man with this Setter will set more plants
in a day than three men can do by hand—and he will
do it better and easier.

**You Can Set Out Your Crop
Just When You Are Ready—**

You do not have to wait for rain. Each plant is set,
watered and covered in ONE OPERATION. The shock
of transplanting is reduced to a minimum. Every plant
will start growing at once—even in the hottest, dryest
weather.

No Resetting—No Blanks

Your crop will mature evenly—you can be sure of your
crop right from the start.

Price—\$6.00 Each.

OAKLEY-PATE SEED CO.

JOPLIN, MO.



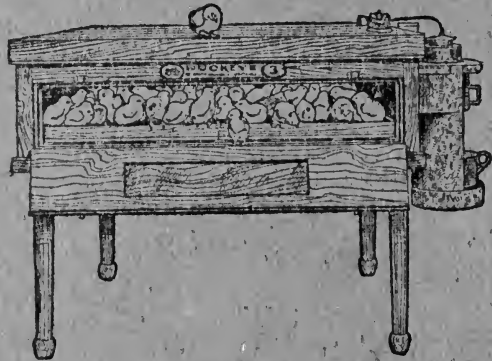
Where Not Otherwise Specified, We Prepay Postage or Express on Bulbs, Garden
and Flower Seeds, Within the Fifth Zone.

"BUCKEYE" INCUBATORS

The Perfect Hatchers

Are Guaranteed to Hatch MORE Chicks, and BETTER Chicks, Than Any Other Incubator.

We are agents for the famous Buckeye Incubators and Brooders. Years of experience in the poultry supply business has convinced us that the Buckeye is the most efficient hatcher on the market. The Buckeye Incubators are sold under an iron-clad GUARANTEE to hatch a chick from every hatchable egg. This is the guarantee the makers give with every machine sold.



WE HAVE IN STOCK THE FOLLOWING SIZES:

No. 14—Style E	\$16.50	No. 2—Standard	44.50
No. 16—Style E	27.50	No. 3—Standard	57.75
No. 17—Style E	36.75	No. 4—Standard	68.00
No. 1—Standard	37.50	No. 5—Standard	107.00

(Other sizes priced on application.)

"Buckeye" Portable Brooders

THE OIL-BURNER THAT BROODS LIKE A COAL-BURNER

THERE IS NO WASTE OF HEAT. The dead air space keeps all the heat in and all the cold out. THE "BUCKEYE" LAMP IS NOT ENCLOSED. Made in three sizes, and sold at the following prices:

No. 20—Metal Brooder	\$11.75	No. 10—Blue Flame Brooder....	17.50
No. 21—Metal Brooder	15.50	No. 11—Blue Flame Brooder....	20.00
No. 18—Standard Brooder.....	21.50	No. 12—Blue Flame Brooder....	22.50
No. 19—Standard Brooder	26.50		

The Standard Colony Brooder

COAL BURNING—SELF-FEEDING—SELF-REGULATING

Burns Any Fuel—Hard or soft coal, charcoal, coke, briquettes, or gas. Hard coal is best. All fuel should be nut size.

MADE IN TWO SIZES.

No. 18—Capacity up to
500 chicks\$21.50

No. 19—Capacity Up to
1000 chicks\$26.50

