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Reliable Seeds

*10th Annual
Catalogue
1903*



Shugart & Ouren Seed Co.
320 BROADWAY,
COUNCIL BLUFFS, IOWA

Annual Descriptive Catalogue of Seeds

Customers who order early have their seeds on hand when they want them, and avoid unnecessary delay during the rush of the busy season. Make out your order as soon as you get our Catalogue, remembering that heavy seeds and large quantities can be sent cheaply by freight, and will reach you in time, if ordered early.

Market Gardeners or other large planters requiring larger quantities of seeds than are here offered, are invited to write for our Special Price List. This list we cannot send to private gardeners, even if they apply for it, as it is intended only for those who grow for market. In writing please state whether you are a market gardener, florist, or dealer in seeds.

HOW TO SEND MONEY.

Always use the order sheet and envelope sent with Catalogue, when possible. Write plainly and be sure to give your name, post office, county and state every time you write to us.

Cash should always accompany the order. Remittances may be made at our risk by either of the following methods; (1st and best) Post Office Order, (2) Draft on New York, (3) Express Company's Money Order, (4) Cash by Express in amounts of not less than \$5.00, (5) Registered Letters.

No goods sent C. O. D., unless cash to the amount of one-fourth of the order accompanies same.

Seeds by mail. Sending seeds by mail is a very important branch of our business. We are prepared to fill all orders promptly and correctly the day they are received, in nearly all cases.

Our prices. In comparing our mail prices on seeds by the pound and one-fourth pound—you must bear in mind that we pay the postage.

We urge customers to inform us promptly on arrival of their orders, if same are not in good condition, well packed and filled exactly as ordered; also to report, after growth, the result, more especially if anything proves other than was expected.

While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, express or implied. If purchaser does not accept the seed on these conditions, they must be returned at once, and the money that has been paid for same will be refunded.

Shugart & Ouren Seed Company.



THE BEST SEEDS THAT GROW AND A LIST OF VARIETIES IT PAYS TO GROW.

WHAT WE OFFER—At prices named we pay postage on all vegetable and flower seeds ordered, by the packet, ounce or pound, excepting Peas, Beans and Corn, for which, if wanted by mail, add 8 cents per pint, 15 cents per quart, for postage. In ordering vegetable or flower seed to be sent by express or freight at your expense, deduct 10 cents per pound from single pound price, excepting for Peas, Beans, Corn and Onion Sets.

SPECIAL RATES ON SEEDS IN PACKETS OR OUNCES.

This offer is by mail, postage paid by us, to any postoffice in the United States:

For remittance of \$1.00 you may select seeds, in pkts. or ozs. only, valued at \$1.25, you save \$0.25							
“ “ 2.00 “ “ “ “ “ “ “ “	2.00	“	“	“	“	“	.60
“ “ 3.00 “ “ “ “ “ “ “ “	3.00	“	“	“	“	“	1.00
“ “ 4.00 “ “ “ “ “ “ “ “	4.00	“	“	“	“	“	1.35
“ “ 5.00 “ “ “ “ “ “ “ “	5.00	“	“	“	“	“	1.65

The varieties of vegetable seeds listed have been selected with great care and thoroughly tested. We are constantly adding new and improved kinds as come to our notice, but offer no old variety under a different name as a novelty. Should any customer desire seeds not listed we will be pleased to procure them.

ASPARAGUS.

Fr., *Asperge*—Ger., *Spergel*.

Soak seed in warm water 24 hours before sowing. Sow in early spring in rows one foot apart. Transplant to permanent bed when one or two years old.

Conover's Colossal, oz. 10c
 Conover's Colossal, ¼ lb. 15c
 Conover's Colossal, 1b. 40c
 Palmetto, oz. 10c
 Palmetto, ¼ lb. 25c
 Palmetto, 1b. 60c

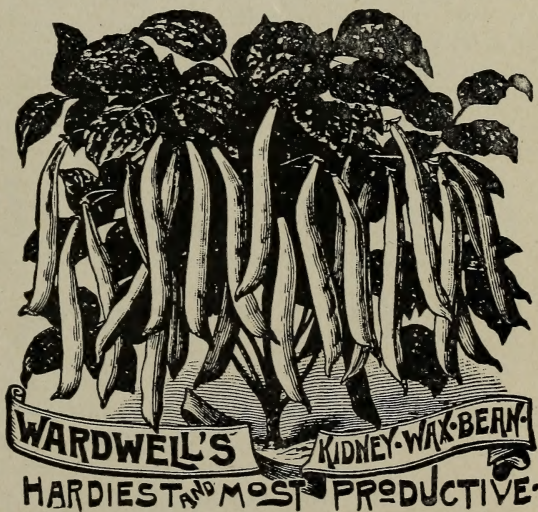
BEANS.

Dwarf Wax Varieties.

Fr., *Haricot*—Ger., *Bohne*.

Plant in succession—from April to August—in drills two inches deep, and from 18 to 24 inches apart.

Bismark Black Wax. Pods medium length, waxy-white color. 25 Qt. 1 Pk. 75 Bu. \$6 50
 Challenge Black Wax. The earliest wax podded bean. Failure
 Davis White Kidney Wax. When young the pods are very brittle. 20 1 50 5 00



BEANS—Dwarf Wax Varieties—Continued.

	Qt.	Pk.	Bu.
Flagolet Scarlet Wax. Pods very long and large.....	25	\$1 75	\$6 00
Golden Wax. The well-known standard	25	1 75	6 50
Keeney Rustless Wax. The pods are stringless and handsome.....	25	1 75	6 50
Kidney Wax, Wardwell's. Popular early variety.....	25	1 75	6 50
Prolific Black Wax. No one can afford to plant the old black wax.....	25	1 75	6 50
Valentine Wax. A popular sort wherever known.....	20	1 50	5 00
White Wax. Very desirable for snaps or pickles.....	20	1 50	5 00

Green Podded Varieties.

Burpee's Stringless. The pods are a rich green, very round and straight.	20	1 50	5 00
Bush Lima, Dreer's. The best of the Dwarf Limas.....	30	1 75	6 00
Bush Lima, Burpee's. A bush form of the true Large Lima.....	30	1 75	6 00
Bush Lima, Henderson's. A dwarf form of the Small Lima.....	30	1 75	6 00
Early Mohawk. This sort can be planted earlier than other kinds.....	20	1 50	5 00
Horticultural Dwarf. This is one of the best varieties for use shelled green	20	1 50	5 00
Improved Round Pod Valentine. For snaps there is nothing superior to this variety.....	20	1 25	4 50
Long Yellow Six Weeks. Pods long, straight, narrow, handsome.....	20	1 25	4 50
Refugee, or Thousand to One. For late planting and for use as pickles..	20	1 25	4 50
White Navy Field.....	15	1 00	3 00

Pole or Running.

Cut Short or Corn Hill. Very popular for planting among corn.....	25	1 50	5 50
Dutch Case Knife. Clear white, kidney shape, excellent quality, green or dry	25	1 60	6 00
Horticultural or Speckled Cranberry. For shell beans.....	25	1 50	5 50
Large White Lima. The well-known standard.....	25	1 75	6 50
Lazy Wife. Excellent for winter use.....	25	1 60	6 00
Old Homestead. With showy pods, which are most excellent for snaps.	25	1 75	6 50
Scarlet Runner. Cluster of showy bright flowers.....	30		
White Creasback. In good soil wonderfully productive.....	25	1 75	6 50

Eagle Claw Hand

Fodder Fork.....

The Only Tool ever invented and Manufactured that will handle Corn Fodder successfully. Self dump. Does not pierce the stock. Handles fifty stocks (or an arm load) at a time as fast as a man can pitch. Binds the fodder, straw, brush, etc., as you handle it. Saves time, twine, clothing and health. No getting wet while handling snowy or wet fodder. Price \$1.50 each.



BEETS.

Fr., Betterhave—Ger., Runkelruebe.

For early use sow as soon as ground is fit to work, in drills a foot apart and two inches deep. For general crop sow first week in May.

	Oz.	¼lb.	Lb.
Bastian's. Fine and early.....	10	20	50
Crosby's Egyptian Blood Turnip. Beets round, as early and of better quality.....	10	20	50
Dewing's Early Blood Turnip. A popular strain.....	10	20	50
Early Blood Turnip. The popular old standby.....	10	20	50
Eclipse Blood Turnip. Extremely early, round, blood-red.....	10	20	50
Edmund's Early Blood Turnip. A fine strain of very dark Blood-Turnip Beet.....	10	20	50
Egyptian Blood Turnip. Very quick growing; flattened Blood-Turnip..	10	20	50
Long Smooth Blood. A large and excellent late variety.....	10	20	50

Mangel and Sugar Beets.

Golden Tankard Mangel Wurtzel. Most popular; clean, handsome.....	15	35
Long Red. The standard; immense size.....	15	35
Red Globe. Red skin, globe shape; smaller than Yellow Globe.....	15	35
Sugar, Lane's Improved. American favorite for cattle feeding.....	15	35
Sugar, Klein Wanzleben. Contains the largest percentage of sugar.....	15	35

(Five pounds of Mangel or Sugar Beet for \$1.00; charges paid by purchaser.)

BROCCOLI.

Early Purple Cape. Produces heads very nearly like Cauliflower.....	35	1 00
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BUSSELL'S SPROUTS.

Carter's Perfection. The sprout becomes tender when touched by frost....	20	60
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Early Jersey Wakefield.

CABBAGE.Fr., *Chou Pommes*.
Ger., *Kopf kohl*.

The early varieties of Cabbage should be sown in hot beds about six weeks before ground would be fit to work out of doors. As soon as weather permits, transplant in rows three feet by eighteen inches. Winter Cabbage should be sown out of doors at such time as would produce good plants for setting from 1st to 20th of June.

	Oz.	¼lb.	Lb.
All Seasons. Fine, large heads; quite early and long-standing.....	20	60	\$1 50
Autumn King. This is an extremely large and solid-heading variety.....	20	75	1 75
American Drumhead Savoy. The best of all the Savoys.....	20	60	1 60
Charleston Large Wakefield. A strain of Wakefield in which the plant is larger and a little later.....	20	60	1 75
Early Flat Dutch. Round, flat.....	20	60	1 60
Early Large York. About ten days later.....	20	60	1 60
Early Etampes. Extremely early and of good quality.....	20	60	1 60
Early Jersey Wakefield (Select). The most popular.....	20	65	1 75
Early York, Dwarf. Very early; small heart-shaped.....	20	60	1 60
Extra Early Express. The earliest of all; similar to Etampes.....	20	60	1 60
Fleiderkraut. Extremely solid.....	20	60	1 60
Fottler's Brunswick. A grand strain.....	20	60	1 60
Hollander. Heads nearly round in form, very hard and solid.....	20	65	1 75
Henderson's Early Summer. A fine large hard-heading variety.....	20	65	1 75
Henderson's Succession. Large flat-heads, similar to All Seasons.....	20	60	1 60
Large Late Drumhead. A sure heading sort, enormous size.....	20	60	1 60
Marblehead Mammoth Drumhead. Large coarse head, of poor quality..	20	50	1 50
Mammoth Rock Red. Large solid heads, averaging ten pounds each...	20	65	1 75
Premium Late Flat Dutch. The well-known and popular standard variety.....	20	60	1 60
Red Dutch. The standard.....	20	65	1 75
Red Drumhead. "Solid as a rock;" deep red, of medium size.....	20	60	1 60
Stone Mason Drumhead. Of weak constitution.....	20	60	1 60
Surehead. Always sure to head.....	20	60	1 60
World's Beater, or Autumn King.....	20	75	1 75

CARROT.Fr., *Carrotte*—Ger., *Mohere*.

American grown Carrot seed is the best in the world. The Carrot thrives best in a light, rich, deeply tilled soil. For early use, sow as soon as the ground can be worked. For general crop sow any time from early spring until June 10th.

	Oz.	¼lb.	Lb.
Chantenay. One of the finest in quality for table use.....	10	20	40
Danver's Half Long. A great favorite; rich dark orange.....	10	15	35
Early Scarlet Horn. Very popular; standard early.....	10	20	45

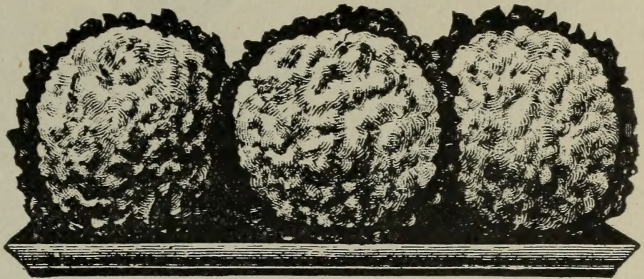
CARROT—Continued.

	Oz.	¼lb.	Lb.
Half Long Stump Root Nantes. For shallow soils.....	10	20	45
Improved Long Orange. A very fine strain; good keeper.....	10	15	40
Large White Belgian. Very productive.....	10	20	50
Oxheart Orange, or Guerande. Smooth and handsome; splendid quality.	10	15	40

Cauliflower.

Fr., *Choufleur.*
Ger., *Blumen-kohl.*

Soil and treatment adapted to the best results in growing cabbage, will be found equally successful with Cauliflower, except that the latter thrives a little better in cool moist situations.



Early Snowball.

	Oz.	¼lb.
Extra Selected Dwarf Erfurt. Similar in all respects to "Early Snowball" and nearly as early. It will give excellent results either in the home garden or for market use and is superior to most seed sold at higher prices	\$2 50	\$8 00
Early Snowball. The plants are compact with few narrow, upright leaves, and are well suited for close planting. The heads are solid, compact, round, very white and curd like and are developed earlier than those of any other sort.....	2 50	8 00

CELERY.

Fr., *Celeri*—Ger., *Sallertie.*

Sow the seed in open ground as soon as fit to work, shear off the top once before transplanting, to insure stocky plants. Transplant from first of June to first of July, according to the season wanted for use.

	Oz.	¼lb.	Lb.
Boston Market. White, crisp, and solid; of rather loose habit.....	15	30	\$1 00
Dwarf, Golden Self-blanching. Most popular of all.....	20	50	1 75
Golden Heart. Large, solid, golden-yellow heart.....	20	50	1 50
Giant Pascal. The best keeper.....	20	50	1 50
Plume White. Fine for early use; silvery-white leaves.....	20	50	1 50
Turnip Rooted, Celeriac. Smooth, round roots.....	15	35	1 25

CUCUMBER.

Fr., *Concombre*—Ger., *Gurken.*

Plant in hills four feet apart each way, in rich, warm, loamy soil. Do not plant till all danger of frost is over.

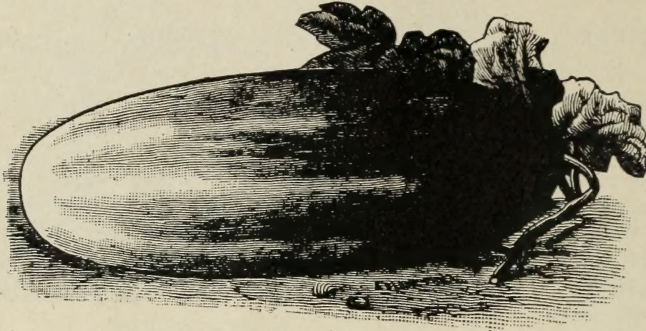


Improved Long Green.

	Oz.	¼lb.	Lb.
Boston Pickling. Unsurpassed for pickling.....	15	50	\$1 50
Early Cluster. A short, prickly, seedy variety.....	15	45	1 40
Early Frame, or Early Short Green. For slicing or pickling.....	15	45	1 40
Japanese Climbing. Will climb if given support; large, thick fruit.....	20	60	1 75
Jersey Pickle. Fine, long, slender fruits for pickling.....	15	50	1 50
Long Green Improved. A fine strain; dark green, 12 to 16 inches long..	15	50	1 50

CUCUMBER—Continued.

	Oz.	¼lb.	Lb.
Nichol's Medium Green. Fruits of medium size; full at both ends.....	15	50	\$1 50
Thorburn's Everbearing. Vines bear continuously; fine quality.....	15	50	1 50
Westerfield's Chicago Pickling. The true Westerfield strain.....	15	50	1 50
West India Gherkin. For pickling only.....	15	60	1 60



	Oz.	¼lb.	Lb.
White Spine, Extra Long. Grows 12 inches long.....	15	50	1 50
White Spine, Evergreen. A fine strain.....	15	50	1 50
White Spine, Arlington. The Boston favorite.....	15	50	1 50

ENDIVE.

Fr., *Chicoree Endive*—Ger., *Endivien*.

Sow and cultivate same as lettuce. It is one of the best salads for fall and winter use.

	Oz.	¼lb.	Lb.
Green Curled Winter. Leaves finely cut, giving the plant a rich mossy appearance.....	15	40	\$1 00
Moss Curled. Leaves much finer cut than the Green Curled.....	15	40	1 00

EGG PLANT.

Should be started in a hot-bed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the Tomato.

	Oz.	¼lb.	Lb.
Early Long Purple. Much earlier than the large N. Y. Purple.....	20	\$0 50	\$1 75
New York Improved Purple. Leading market variety.....	35	1 00	3 50
New York Improved Spineless. Free from the sharp spines natural to this plant.....	35	1 00	3 50

KALE OR BORCOLE.

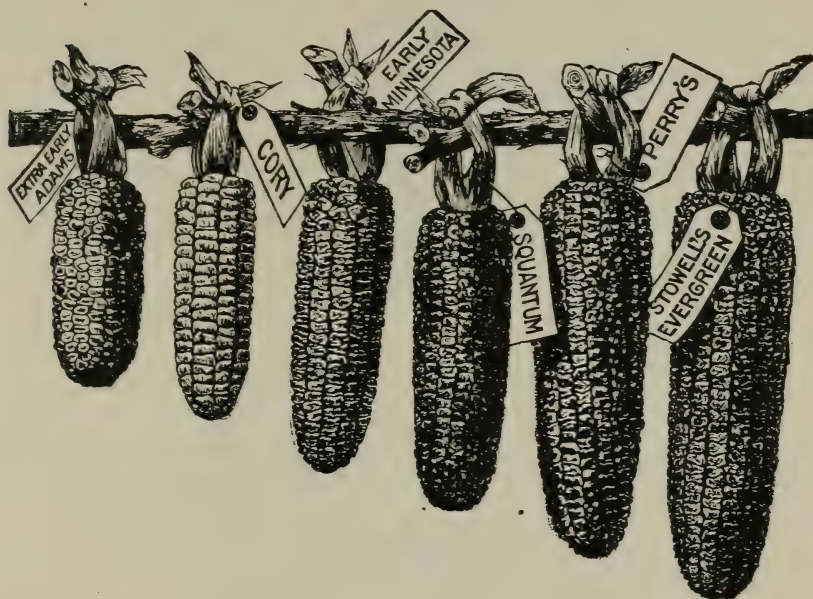
Kale or Borcole may be grown in almost any soil. The varieties are all extremely hardy, and are best when touched by frost.

	Oz.	¼lb.	Lb.
German Green Curled. The leaves are curly, bright green, very tender.	15	35	\$1 00
Green Curled, or Scotch, Tall. Beautiful plant about two and a half feet tall.....	15	35	1 00

KOHL RABI.

Treat much like Cabbage, except that it is difficult to transplant, and does better if the seed is planted where the plant is to grow.

	Oz.	¼lb.	Lb.
Early White Vienna. The best for table use.....	20	50	
Purple Vienna. This variety is the most largely grown for table use....	20	50	

SWEET CORN.Fr., *Mais*—Ger., *Welschkorn*.

	Qt.	Pk.	Bu.
Adam's Extra Early. This is not a true Sweet Corn.....	20	\$1 00	\$3 00
Cory White Cob and Grain. Mammoth extra early.....	20	1 00	3 00
Cory, Red. Standard early variety.....	20	1 00	3 00
Crosby's Early. A most excellent variety, remarkably early and of the best flavor.....	20	1 00	3 00
Country Gentleman. Fine quality, and irregular arrangement of the crowded, slender, deep grain.....	20	1 00	3 00
First of All. This is the earliest of all Sweet Corn.....	20	1 00	3 00
Hickox Improved. Very prolific, ordinarily every stock will have two large, fully developed ears.....	20	1 00	3 00
Minnesota. Ears larger than the Cory and matures between that variety and the Crosby.....	20	1 00	3 00
Mammoth Late. It is of excellent quality.....	20	1 00	3 00
Mammoth Sugar. An old and excellent table sort.....	20	1 00	3 00
Perry's Hybrid. An excellent second-early variety.....	20	1 00	3 00
Shaker's Early. Slightly later than the Crosby.....	20	1 00	3 00
Stowell's Evergreen. The standard main crop variety.....	20	1 00	3 00
Squantum. A fine second-early variety.....	20	1 00	3 00
Zig Zag Evergreen. Similar to Stowell's, but grains irregular on ear....	20	1 00	3 00

LEEK.

	Oz.	¼lb.	Lb.
American Flag. Hardy and of good quality.....	15	35	\$1 00
Large Rouen. Stands a long time in condition for use.....	15	35	1 00

LETTUCE.

Fr., *Lettuce*—Ger., *Lattich*.

Sow in autumn or very early spring for early use, and in succession during the spring months for late crop. It bears transplanting, and is improved by it.



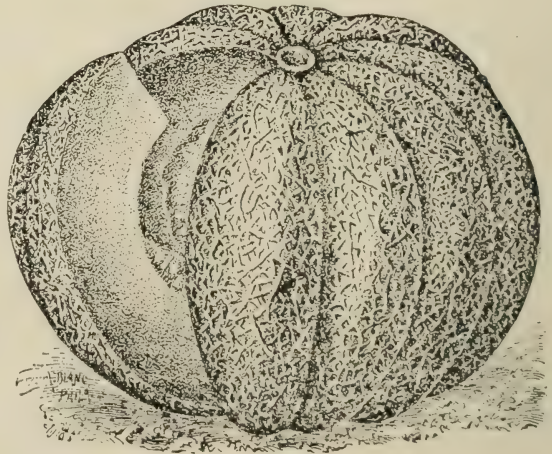
Prize Head.

	Oz.	¼lb.	Lb.
Boston Market, or White Seeded Tennis Ball...	10	25	75
Boston Curled. Of poor quality, but great beauty.....	10	25	75
California Cream Butter. Large green leaves....	10	25	75
Grand Rapids. A most popular cutting lettuce for forcing	10	25	75
Hanson's Improved. One of the finest to grow for market during the summer months	10	25	75
Prize Head, Early. Large, loose head; green, tinged with brown.....	10	25	75
Silesia Early Curled. A leading early sort; fine for cutting.....	10	25	75
Simpson, Black Seeded. Larger than Simpson's Early Curled.....	10	25	75
Simpson, Early Curled. Fine, loose heads; tender.....	10	25	75
Tennis Ball, Black Seeded. For forcing, extremely hardy.....	10	25	75
Tennis Ball, White Seeded. Fine for forcing	10	25	75
Yellow Seeded Butter. Dense yellow heads, crisp and tender.....	10	25	75

MELON—MUSK.

Fr., *Melon*—Ger., *Melone*.

	Oz.	¼lb.	Lb.
Bay View. Oblong melons of large size; thick fleshed	15	40	1 00
Banana Cantelope	15	40	1 00
Chicago Market. A favorite type of "Nutmeg Melon" in Chicago.....	15	40	1 00
Champion Market. A splendid variety of the Netted Gem type..	15	40	00
Extra Early Grand Rapids. Large; very early; quality inferior.....	15	40	\$1 00
Early Green Citron. A small, round melon, valuable on account of its extreme earliness.....	15	40	1 00
Emerald Gem, sweetest of all melons.....	15	40	1 00
Fine Netted Nutmeg. Round; heavily netted.....	15	40	1 00
Green Nutmeg. A popular old early variety.....	15	40	1 00



Early Hackensac .

Oz. ¼lb. Lb.

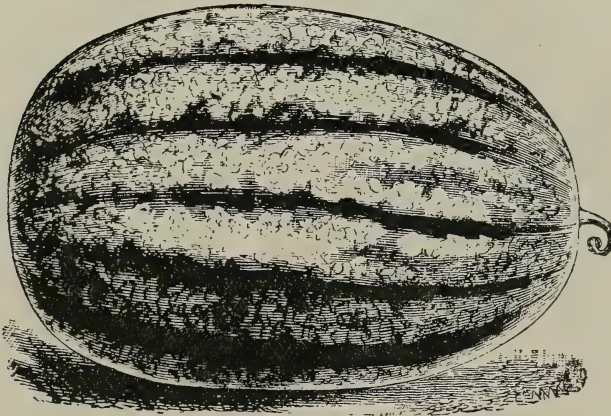
15 40 \$1 00

MELON—MUSK—Continued.

	Oz.	¼lb.	Lb.
Hackensack. Extra Early Improved. Ten days earlier than Hakensack	15	40	\$1 00
Hackensack. Large size; flattened at both ends.....	15	40	1 00
Jersey Belle. Extra early; of good size; an enlarged Jenny Lind.....	15	40	1 00
Jenny Lind. Small, early flattened.....	15	40	1 00
Long Island Beauty. This variety ripens as early and is similar to the Hackensack.....	15	40	1 00
Montreal Market. Of immense size.....	15	40	1 00
Miller's Cream. Popular in the West; fine flavor.....	15	40	1 00
Melrose. Rich light-green flesh, shading to salmon.....	15	40	1 00
Netted Gem. Oblong.....	15	40	1 00
Osage Green Fleshed. Delicious pea-green flesh.....	15	40	1 00
Princess. Handsome; nutmeg shape, of large size.....	15	40	1 00
Perfection. Same as Princess.....	15	40	1 00
Paul Rose. An ideal melon.....	15	40	1 00
Pomegranate.....	15	40	1 00
Rocky Ford. This has become one of the most popular of small or basket melons.....	15	40	1 00
Surprise. Smooth cream colored skin; flavor rather inferior.....	15	40	1 00
Shumway's Giant. A mammoth variety.....	15	40	1 00
Tip-Top. Smooth skin; sweet and juicy.....	15	40	1 00

MELON—WATER.

Fr., *Melondeau*—Ger., *Wassermelone*.



Kob's Gem.

Cole's Early. Extra early, but thin skinned; green, with white stripes...	10	20	50
Cuban Queen. The old favorite.....	10	20	50
Citron; for preserving.....	10	20	50
Duke Jones. A famous sweet Southern melon.....	10	20	50
Dixie. A famous oblong Southern melon; good shipper.....	10	20	50
Florida Favorite. An oblong melon; of fine flavor.....	10	20	50
Ford-Hook Early. Earliest large melon.....	10	20	50
Georgia Rattlesnake. A large oblong melon.....	10	20	50
Gray Monarch, or Long White Icing. Very popular.....	10	20	50

MELON—WATER—Continued.

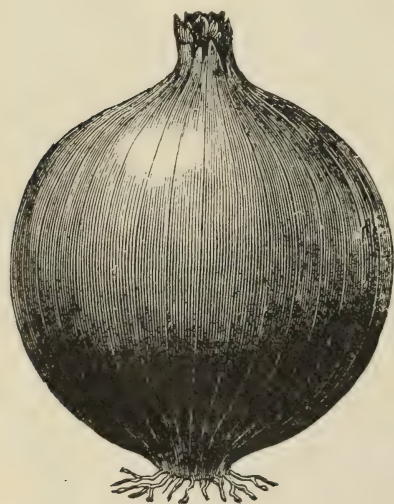
	Oz.	¼lb.	Lb.
Iceing, or Ice Rind, Dark Skin. Of round form; sugary flavor.....	10	20	50
Ice Cream. True white-seeded; oblong; luscious	10	20	50
Jumbo, or Jones. A great favorite in the South; rich flavor.....	10	20	50
Kolb's Gem. The great market melon; carries well, but of poor flavor....	10	20	50
Kentucky Wonder. A popular market melon in the West.....	10	20	50
Kleckley's Sweet. Sweetest of all.....	10	20	50
Mountain Sweet. The old time favorite.....	10	20	50
Mammoth Iron Clad. Large oblong	10	20	50
Pride of Georgia. Round in form; skin striped.....	10	20	50
Peerless. One of the best sorts for private gardens.....	10	20	50
Phinney's Early. An extra early; of medium size; oblong form.....	10	20	50
Sweet Heart. Oval form; mottled light-green skin; red flesh.....	10	20	50
Seminole	10	20	50
Scaly Bark	10	20	50
The Boss.....	10	20	50
Vick's Early. Extra Early; oblong; skin varies in color	10	20	50

ONION.Fr., *Oignon*—Ger., *Zwiebel*.

We take pride in the record of our fine strains of Onion Seed.

CULTURE—Onion seed should be sown as soon as possible in the spring, even if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds, and before dry weather sets in. After thoroughly pulverizing the soil, sow thinly, 4 to 5 pounds to the acre, in drills one foot apart and about ¼-inch deep, in strong land, well manured. When well started, say four inches high, thin out to stand three or four inches apart in the drills, keeping them well hoed and free from weeds.

Onions delight in rich, deep, sandy loam, and succeed well if grown for a succession of years on the same ground. Deep plowing prevents blight. To get heavy crops of finest shape and high colored bulbs, especially Danvers and



Southport Red Globe.

other Globes, large quantities of well-rotted manure must be used—15 to 20 cords per acre would be none too much. If well-rotted manure is not to be had, use high grade commercial fertilizer containing a large percentage of potash. Onions keep best when ashes are used. When harvesting, protect the bulbs from rain or dew while in the open air or they will be discolored.

	Oz.	¼lb.	Lb.
Australian Brown. The greatest feature of this distinct new variety is its splendid keeping quality	10	25	\$ 75
Extra Early Red Flat. Matures very early, yields abundantly, and is of mild flavor.....	10	25	75
Large Red Wethersfield. This is the standard and market variety over a large section of the country.....	15	35	1 00
Large Red Globe, Southport. Brings the highest price on market and is very profitable	15	40	1 25

ONION—Continued.

	Oz.	¼lb.	Lb.
Mammoth Silver King. Skin silvery white; flesh pure white, very tender	15	50	1 60
New Queen. White or Extra Early Bartletta. For pickling	15	50	1 60
Southport White Globe. Owing to its large size, it is later in ripening than the White Portugal	15	50	1 60
Spanish King, or Prize Taker. It is of immense size, measuring from twelve to eighteen inches in circumference	15	35	1 00
White Portugal, or Silver Skin. This is the standard white	15	50	1 60
Yellow Globe Danvers. Our strain is most carefully selected	15	35	1 00
Yellow Danvers. A fine, productive variety of medium size	10	25	75

Onion Sets

Yellow Bottom	Market Price
Red	"
White	"
Top, or Button Onion	"

PEAS.

Fr., *Pois*—Ger., *Erbsen*.

American Wonder.

Most of our Peas are grown for us especially, and cannot fail to give satisfaction.

Extra Early Dwarf Varieties.

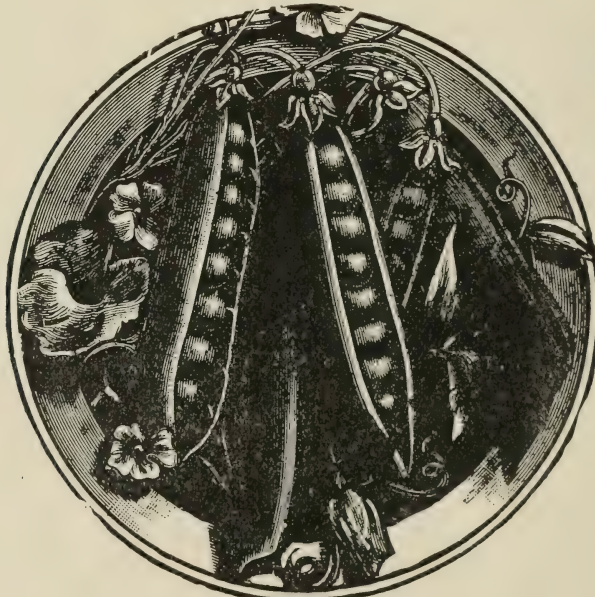
	Qt.	Pk.	Bu.
Alaska. Matures all the crop at once and is an invaluable variety for market gardeners and canners	20	\$1 50	\$5 00
Bliss' American Wonder. True stock; extra fine	25	1 75	6 50
First and Best. The earliest and most even stock of White Extra Early Peas	20	1 50	5 00
Improved Tom Thumb. Vines dwarf, about nine inches high	20	1 50	5 00
McLean's Little Gem. When green it is very large, sweet and of delicious flavor	25	1 75	6 50
Nott's Excelsior. A most desirable sort for the market gardener, and unsurpassed for the home garden	25	1 75	6 50
Premium, Little Gem. Market gardeners use more of this sort than any other wrinkled pea	25	1 75	6 50

PEAS—Second Early Variety—Continued.

	Qt.	Pk.	Bus.
Bliss' Abundance. D deservedly popular.....	20	\$1 50	\$5 00
Bliss' Everbearing. Very prolific.....	20	1 50	5 00
Hosford's Market Garden. Very Prolific.....	20	1 50	5 00
Heroine. Medium early; long, well-filled pods.....	20	1 50	5 00
Pride of the Market. Very popular.....	20	1 50	5 50
Shropshire Hero. Well filled pods; very prolific.....	20	1 50	5 00

Late Varieties for General Crop.

Black Eyed Marrowfat. An old time favorite; large, handsome pods; enormous cropper.....	15	90	3 00
Champion of England. The popular standard.....	15	1 00	3 50
Large White Marrowfat. Similar to Black Eyed, but a little better quality.....	15	90	3 00
Stratagem. By many this variety is considered the best of the English peas.....	20	1 50	5 00
Telephone. Large peas, of rich sugary flavor.....	20	1 50	5 00
Yorkshire Hero. The peas are of fine quality and will be preferred to any other by those who like a rich, marrow like pea.....	20	1 50	5 00



Alaska Pea.

PARSLEY.

Fr., *Persil*—Ger., *Petersilie*.

Seed germinate slowly, and should be sown in early spring.

	Oz.	¼lb.	Lb.
Champion Moss Curled. The leaves are of a peculiar extra dark green color	10	20	50
Doubled Curled. Fine dwarf.....	10	20	50
Fern Leaf. Invaluable as a garnishing plant.....	10	20	50
Triple Curled. This is a most beautiful variety.....	10	20	50

PARSNIPS.

	Oz.	¼lb.	Lb.
Hollow Crown. A great cropper; tender, sugary.....	05	15	40
Improved Guernsey. Roots very long.....	05	15	40

PEPPER.

Fr., *Pimento*—Ger., *Sanischer Pfeffer*.

Start plants in hot-beds or in boxes in the house. Transplant when ground becomes warm and danger of frost is past.

	Oz.	¼lb.	Lb.
Golden Dawn. Golden-yellow peppers, mild and sweet.....	20	50	\$1 50
Large Bell, or Bull Nose. Large, mild; glossy red.....	20	50	1 50
Long Red Cayenne. Hot and pungent.....	20	50	1 50
Red Cherry. Small bright-red peppers; very hot.....	20	50	1 50
Ruby King. Especially fine for salads, stuffed for mangoes.....	20	50	1 50
Sweet Mountain, or Mammoth. Really identical with Bull Nose.....	20	50	1 50



Large Bell.

PUMPKIN.

Fr., *Potiron*—Ger., *Kurbis*.

King of Mammoth. This is the very best genuine strain of the true Mammoth Pumpkin.....	10	30	75
Large Field. A very hardy and prolific variety.....	10	30	75
Large Cheese, or Kentucky Field. It is an excellent keeping variety, with the flesh of exceptionally fine quality.....	10	20	50
Large Tours, or Mammoth. The pumpkins attain an enormous size and will attract great attention when placed on exhibition.....	10	30	75
Quaker Pie. A most prolific variety.....	10	30	65
Sweet, or Sugar. A handsome prolific variety.....	10	30	65
Tennessee Sweet Potato. Pear shaped fruits and good size.....	10	30	75

RADISH.

Fr., *Radis*, *Rave*, *Petite Rave*—Ger., *Rettig*, *Radies*.

French Breakfast. Most popular, red, tipped with white; quick growing..	10	20	45
Giant White Stuttgart. An immense white summer radish.....	10	20	45
Icicle. An excellent new long white variety..	10	20	50
Improved Chartiers. Long; crimson, tipped with white.....	10	20	50
Long Scarlet Short Top. The popular standard.....	10	20	45
Long White Vienna, or Lady Finger. Excellent.....	10	20	45
Long Bright Scarlet. Tipped with white.....	10	20	45
Scarlet Olive Shape. Original strain; quite early; very crisp.....	10	20	45

RADISH—Continued.

	Oz.	¼lb.	Lb.
Turnip, Scarlet Globe, Vick's. We recommend this especially to gardeners whose markets demand a large, round, forcing radish.....	10	20	40
Turnip, Early Scarlet. The standard; small, round, red.....	10	20	45
Turnip, Early Deep Scarlet. Deep scarlet turnip forcing radish; quick growing.....	10	20	45
Turnip, Early Scarlet White Tip. Brightest scarlet, tipped with white...	10	20	45
Turnip, Early Scarlet White Tip Forcing. Also called Rosy Gem.....	10	20	45
Turnip, White. Both skin and flesh white; crisp and tender.....	10	20	45
Turnip, White Globe. White skin, and crisp white flesh.....	10	20	45
White Olive Shape. White skin and crisp white flesh.....	10	20	45
Wood's Early Frame. Similar to Long Scarlet, but shorter roots.....	10	20	45
White Strasburg. A fine solid summer radish, of large size.....	10	20	45



Chartier, White Strasburg and half long deep scarlet.



Early Scarlet Turnip, White Tipped.

Fall and Winter Varieties.

	Oz.	¼lb.	Lb.
China Rose, Winter. Excellent quality; good keeper.....	10	20	50
California Mammoth White Winter. Long; of immense size.....	10	20	50
Long Black Spanish. Black skin; white flesh; keeps well.....	10	20	50
Long White Spanish. White skin and flesh; keeps well.....	10	20	50
Round Black Spanish. The favorite winter Rettig of the Germans.....	10	20	50

SALSIFY, OR VEGETABLE OYSTER.

Fr., *Salsifits*—Ger., *Bocksbart*.

Sow in early spring, in drills fifteen inches apart, and thinned to six inches in the row.

Mammoth Sandwich Island. When cooked is a good substitute for oysters, having a very similar flavor.....	20	35	1 25
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SPINACH.

Fr., *Epinard*—Ger., *Spinat*.

For summer use, sow at intervals of two or three weeks from early spring to August.

Bloomsdale. Is the most popular with our market gardeners	Oz.	¼lb.	Lb.
Long standing Thick Leaved. Having all the good qualities of other sorts and continuing in condition for use much longer	05	10	25
Round Thick Leaved. Recommended for market gardeners.....	05	10	25

Special prices in large quantities to market gardeners.

SQUASH.

Fr., *Courge*—Ger., *Kurbiss*.

Plant as soon as the weather becomes settled and warm, the bush sort in hills four feet apart each way, and the large growing ones eight feet apart each way.



Hubbard Squash.

	Oz.	¼lb.	Lb.
Boston Marrow. A fall and winter variety, very popular.....	10	25	75
Early Summer Crookneck. The old standard sort.....	10	25	75
Essex Hybrid, or Hard Shell Turban. A good squash for fall and winter use..	10	25	75
Fordhook. Bright yellow outside and straw yellow within.....	10	30	75
Improved Hubbard. The well known popular standard winter squash..	10	35	1 00
Marblehead. An excellent variety resembling the Hubbard.....	10	25	75
Mammoth Chili. The largest of all squashes, growing to an immense size.	10	35	1 00
Mammoth White, or Bush Scollop. The fruit is a beautiful clear waxy white.....	10	25	75
Prolific Marrow. Shaped somewhat like the Boston Marrow, but is a decided improvement on it, being much earlier and more productive....	10	25	75
Vegetable Marrow. Skin a greenish yellow, flesh white, soft and of rich flavor.....	10	25	75
Warty Hubbard. This is similar in size and quality to the well known Hubbard.....	10	35	1 00
Yellow Bush Scollop. Differs from the white only in color.....	10	25	75

TURNIP.

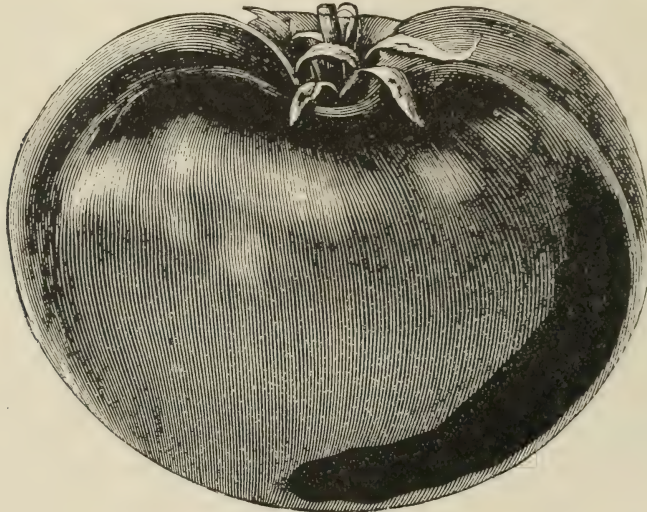
Fr., *Navet*—Ger., *Rube*.

Aberdeen Purple Top. For both table and stock feeding.....	10	20	50
Extra Early Purple Top Milan. The earliest in cultivation..	10	25	75
Early White Dutch. Popular market variety.....	10	20	50
Improved Golden Ball. Very tender and of fine flavor.....	10	20	50
Purple Top White Globe. A fine globe shaped table turnip.....	10	20	50
Purple Top Strap Leaf. Standard early variety.....	10	20	50
Sweet German. Flesh hard and crisp.....	10	20	50
White Egg. Oval, with thin white skin.....	10	20	50
Yellow Globe. Fine for table and stock feeding.....	10	20	50

TOMATO.

Fr, *Pomme d' Amour*—Ger., *Liebesapfel*.

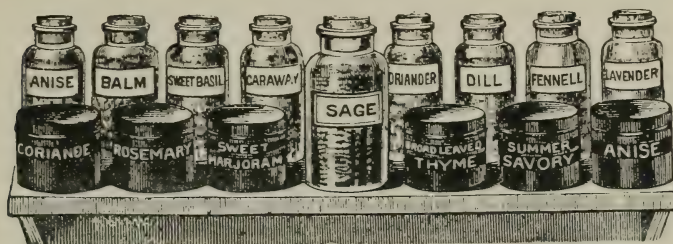
DWARF CHAMPION—We make a specialty of this very distinct variety. A single plant of it was first found nearly fifteen years ago in a field of Livingston's Acme. Its dwarf, compact and upright growth enables it to be planted 2 or 3 feet apart each way. Heavy manuring, instead of producing a superabundant growth of vine (as in many varieties), increases the yield and size of the fruit. In form and color they resemble Acme—smooth and symmetrical in shape, ripening close around the stem. Matures the fruit early, is very productive, medium large, and crowded close together on the branches; foliage an unusually dark green. True stock. Pkt. 5; ½oz. 15; oz. 25; ¼lb. 75; 1lb. \$2.50.



Dwarf Champion.

	Oz.	¼lb.	Lb.
Atlantic Prize. Small, irregular, bright red fruits; extremely early.....	20	50	\$1 50
Ignotum. Smooth, solid, bright red; uniformly large.....	20	50	1 50
Imperial. Large purple fruited, early.....	20	50	1 50
Livingston's Beauty. Large, solid, smooth tomato; purplish pink.....	20	50	1 50
Livingston's Favorite. Bright red, smooth tomato of good size.....	20	50	1 50
Livingston's Acme. The well known standard bright-pink.....	20	50	1 50
Mikado. Large-fruited purple; potato leaf.....	20	50	1 50
Matchless. A large, bright red tomato.....	20	75	2 25
Ponderosa, or "Monstrous 400." This is the largest fruited tomato in cultivation and of fine quality for slicing.....	30	75	2 50
Red Pear. Used for preserves and to make "tomato figs".....	20	50	1 75
Strawberry, Husk or Ground Cherry.....	20	60	1 75
Stone. Large, solid, handsome, scarlet fruits, highly esteemed for market and canning.....	20	50	1 50
Trophy. Very large, solid and generally smooth; selected strain.....	20	50	1 60
Yellow Plum. Esteemed for preserves.....	20	60	1 75
White's Excelsior. The vines are of a dark green, grow rapidly and to a great size, bearing a heavier crop than any other variety and continues bearing until killed by frost. The fruit is dark or purple red, very large and in great clusters, and retain their size until the last end of the season. The seed cavity is small, the skin is tough, will bear long shipments. Our seed is direct from the originator.....	20	50	1 75

HERBS.



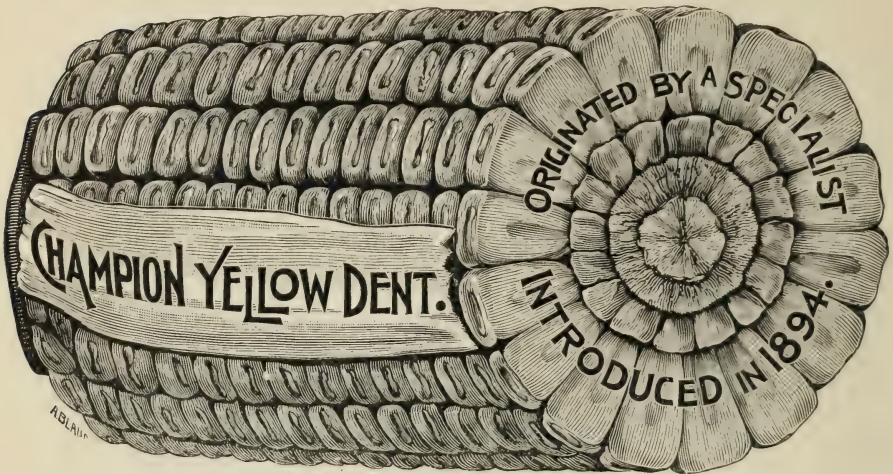
Herbs in general delight in a rich, mellow soil. Sow seeds early in spring in shallow drills one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly; do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely.

	Pt.	Oz.	¼lb
Anise.....	05	25	1 00
Balm.....	05	20	
Basil (sweet).....	05	15	
Borage.....	05	15	
Caraway.....	05	15	75
Coriander.....	05	20	
Catnip, or Catmint.....	05	35	
Dill.....	05	25	75
Fennel.....	05	15	
Horehound.....	05	20	
Hyssop.....	05	20	
Lavender.....	05	15	
Majoram (sweet).....	05	35	1 25
Rosemary.....	05	30	
Rue.....	05	15	
Sage, Broad Leaf.....	05	45	1 50
Summer Savory.....	05	15	
Saffron.....	05	15	
Thyme.....	05	45	1 50
Tansey.....	05	15	
Wormwood.....	05	15	

BIRD SEED.

Hemp, 20c per lb., postpaid. Canary, 20c per lb., postpaid. Rape, 20c per lb., postpaid. Mixed hemp, rape and canary, 20c per lb., postpaid.

SEED CORN.



Our Farm Seeds are uniformly of the very best grade. They have been grown especially for seed, carefully selected and thoroughly cleaned. The prices quoted include bags and delivery to any freight depot in Council Bluffs.

The varieties of Field Corn we offer are the best in general use. They are all well matured, cured and shelled with great care. We test all varieties before sending out, that there may be no doubt as to vitality if properly planted and the conditions are favorable. To avoid delay when ordering late in the season, it would be well to mention your second choice, or state whether we shall send a sort adapted to your locality or refund the money, provided we are sold out of your first choice at the time your order arrives.

It only costs about 25 cents an acre to use our Carefully Selected and Tested Seed Corn. Is it wise to risk doubtful corn from the crib?

Champion Yellow Dent—A grand thoroughbred corn. Tested and proven. All and more than claimed for it. It is with much increased confidence that we again offer Champion Yellow Dent Corn. A tested variety which, having gone through the crucible of wide-spread and thorough test in all parts of the corn belt and in the cotton states the past summer, has proven to be all and more than we claim for it. We are much gratified with the enthusiastic reports coming from all localities. Champion Yellow Dent is destined to be a money maker. This corn is a very high average yielder. And high average yields for a series of years are what fatten the farmers' "pocket books." Price, $\frac{1}{4}$ bushel 40c; $\frac{1}{2}$ bushel 75c; 1 bushel \$1.25; 10 bushels \$10.00.

Improved Leaming Corn—This popular corn is too well known to enter into a description of its merits here. Suffice it to say: That it is a very uniform, medium-sized, very early (maturing in 90 to 115 days), very heavy, long eared corn. With stock growing medium tall and very thick and strong, with a large amount of foliage. During the past two years this corn has come to the front in the dairy regions of the northern U. S. and in the Dominion, as a hard to beat ensilage corn. During the past winter and spring we had a very large trade in this variety for ensilage corn. We have nice pure seed of it. Prices, peck 40c; half bushel 75c; bushel \$1.25; 5 bushels \$5.50; 10 bushels \$10.00.

Champion White Pearl—True merit alone has won bright laurels for this corn. "It being now recognized as the leading standard sort of pure white, very long grained, very floury, best milling, early general crop corn, of the highest possible quality. Very small white cob. Short, thick, robust, deeply rooting stock with its ear very low upon it. Thus standing severe storms and drouths well. Very uniform in fertilization and maturing. Maturing in 100 days. An immensely high average yielder all over the corn belt, and in the cotton states. A beauty, and in every respect a first-class, white, sure cropping crop. Prices, peck, 40c; half bushel 75c; bushel \$1.25; 5 bushels \$5.50; 10 bushels \$10.00.

St. Charles White—A large growing red cobbled white dent corn, with a profuse growth of foliage. Originated and much esteemed in the vicinity of St. Louis, Mo., and in the south as a general crop sort, and quite popular in the north as an ensilage corn. We have nice pure seed. Prices, peck 35c; half bushel 60c; bushel \$1.00; 5 bushels, \$5.00; 10 bushels \$9.00.

Iowa Silver Mine—Stock grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stocks; every one had an ear, many stocks had two or three good ears, and the originator says that has been characteristic every year that he has grown it. The type is very even. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn and possesses many of the features which have made the Iowa Gold Mine so popular, while the ear is larger. It is hardy and a wonderful resister of drouth. Prices, peck 40c; half bushel 75c; bushel \$1.25; 5 bushels \$5.50; 10 bushels \$10.00.

Iowa Gold Mine—A popular yellow dent corn originated in Iowa. It has very long grain and very small red cob. Matures in about 95 days, and has given fine satisfaction throughout the corn belt. Our seed was grown from direct headquarters stock. Prices, peck 40c; half bushel 75c; bushel \$1.25; 5 bushels \$5.50; 10 bushels \$10.00.

Pride of the North—An extra early yellow dent corn; too well known to warrant us giving a detailed description of it here. Suffice to say we have genuine pure seed. Prices, peck 40c; half bushel 75c; bushel \$1.25; 5 bushels \$5.50; 10 bushels \$10.00.

CLOVER AND GRASS SEEDS.

Medium Red Clover—The standard everywhere for hay or pasture. Per lb. 30c; 3 lbs. 75c, postpaid; per bushel \$7.50.

Mammoth Red Clover—For hog pasture or as a fertilizing crop. Too coarse for hay. Per lb. 30c; 3 lbs. 75c; per bus. \$7.50.

Alsike Clover—Unexcelled for hay and a wonderful cropper. It is a perennial, very hardy, sweet, fragrant and desirable also for pasture. Does well on wet land which is unfit for any other clover. Per lb. 35c, 3 lbs. 90c; per bus. \$9.00.

Alfalfa, or Lucerne Clover—Very popular in many portions of the country, and it is especially of value in all parts of the west, northwest and south. Under proper management it yields ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in the greatest drouth. Sow broadcast about 30 lbs. to the acre. Comes up very spindling and slowly, and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. Postpaid, per lb. 35c, 3 lbs. 90c; by freight per bushel \$7.50.

White Dutch Clover—Desirable in pasture mixtures. Also used largely for lawns, as it makes a close sod. Lb. 40c; 3 lbs. \$1.00. By freight 10 lbs. \$2.50; bushel \$12.50.

Crimson Clover—Also called *Giant Incarnate*. An annual variety of special value for sowing in corn for fall pasture or spoiling. Per lb. 25c, 3 lbs. 65c; per bushel \$6.00.

CLOVER AND GRASS SEEDS—Continued.

Sweet Clover—Also called *Honey or Bee Clover*. Of delightful fragrance and much liked by bees. Per pkt, 5c, lb. 50c. By express or freight, 5 lbs. or more @ 25c per lb.

Timothy—Used universally for hay. Per lb. 20c, 3 lbs. 50c; bushel \$2.00.

Kentucky Blue Grass—Unexcelled for lawns and pastures. Our seed is new crop and the best grade of fancy cleaned. Per lb. 25c, 3 lbs. 50c; bushel of 14 lbs. \$2.00.

Fancy Red Top—Used for wet land. Our seed is the best grade of fancy cleaned. Per lb. 25c, 3 lbs. 50c; bushel of 14 lbs. \$1.60.

Orchard Grass—One of the most valuable of pasture grasses. Grows well also in the shade. Per lb. 30c, 3 lbs. 80c; bushel of 14 lbs. \$2.50.

Meadow Fescue—Also called *English Blue Grass*. Succeeds on all soils, but gives best results on moist soil. Per lb. 30c, 3 lbs. 75c; by freight 10 pounds or more @ 12c.

Early Amber Cane—This popular and well known variety is the earliest and makes the finest of amber syrup and good sugar. Succeeds well from Texas to Minnesota. Per lb. 15c.

Early Orange—A well known variety, well adapted to the south and west. It is from eight to ten days later than Early Amber. Per lb. 15c.

Fodder or Forage Cane—Cane seed is also now largely grown for stock feeding. It yields heavy. It can be raised anywhere, and is sown extensively in dry sections, where tame grasses cannot be sown readily. Cattle, horses and sheep relish it greatly on account of its sweetness. For forage sow fifty pounds per acre. Market price.

Seed Rye—Rye does best on rich sandy soil, almost a sure crop every year; should be sown in August or September, either in drills or broadcast, at the rate of one to one and a half bushels per acre. Is raised both for pasture and grain. Per bus. of 56 lbs. 60c.

Navy Field Beans—Plant after danger of frost is past, in dry, light soil. Best crops are grown in rich soil; but beans do well in ordinary soil. Cultivate with one-horse cultivator, or a hoe, frequently, when plants are dry, but never when wet. Plant one and one-half bushels to the acre, in hill same as corn, or in drills. Per lb. 15c.

German Millet—Much better than common and yields much more. One of the best for hay or fodder crops; three to four feet high. A great yielder; large close heads. Per lb. 25c, 3 lbs. 50c, bus. of 48 lbs. \$1.00.

Common Millet—Not as tall as above, but some prefer it for horses. Per lb. 15c, 3 lbs. 40c, bus. 90c.

Hungarian—Preferred by some to millet. Per lb. 25c, 3 lbs. 50c, bus. 48 lbs. \$1.25.

Perennial Rye Grass—For permanent meadows or pastures. Per lb. 25c, 3 lbs. 65c. By freight, 10 lbs. or more @ 8c.

Red Kaffir Corn—This grows taller than the white; the stalks are slenderer, but more juicy and very leafy. Per lb. 15c, per 100 lbs. 2.00.

White Kaffir Corn—It grows from four to five feet high, making a straight, upright growth. It has a stalky stem, with numerous wide leaves. Per 100 lbs. \$2.00.

Buckwheat, Common—Buckwheat should be sown about the 20th of June, broadcast, at the rate of from one to three pecks per acre. Per lb. 15c.

Buckwheat, Silver Hull—This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. Per lb. 15c.

Buckwheat Japanese—This new variety has been raised here with good results. The kernels are twice the size of any other buckwheat, of a rich dark brown color and manufacture a superior flour. Per lb. 15c, postpaid.

Dwarf Essex Rape—This plant is extensively grown for forage. Farmers who raise much stock and desire to get young cattle, sheep, lambs or young hogs into favorable condition can do it most cheaply by growing this rape. Prepare the ground as for

turnips, and sow as soon as frost is out of the ground, and is ready in about six weeks. Also sow in June or July, with a turnip drill, in rows $2\frac{1}{2}$ half feet apart at the rate of $2\frac{1}{2}$ lbs. of seed per acre. It may also be sown broadcast at the rate of 3 or 4 pounds to the acre. It is not used for hay, and when eaten down before it has made its full growth, it will grow up again with more or less vigor. Our stock is the *True Essex Dwarf*, and not the the worthless annual. Postpaid, oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 30c. By express or freight 10 lbs. 80c, 50 lbs. \$3.50, 100 lbs. \$6.50.

SEED POTATOES.

Extra Early Ohio—Fancy northern grown. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Market price.

Early Ohio—Grown in Iowa. Write for prices on late varieties.

SEED SWEET POTATOES.

Price subject to market changes. Write for price on large lots. We ship about April 12, usually.

Early Yellow Jersey—In spite of the many so-called new varieties, all of which we have tested, the Early Yellow Jersey holds the first place. The earliest, most productive, of short, "chunky" shape, and of the very best quality. Not stringy. Very few small ones.

Yellow Nansemond—The old standby; by some growers considered equal to the Jersey.

Vineless Sweet Potatoes—A novelty which has proved very popular in some places. Can be planted much closer, do not require the lifting or trimming of vines, and for this reason are more desirable than the older varieties. They are good keepers and of excellent quality as a table potato. Don't fail to try them.

Red Jersey and White Southern Queen—We can supply choice seed of these varieties, *if ordered by April 1st.*

SPELTZ.

The wonder grain from Russia.

Russia has given us *Bromus Inermis*, the most notable addition to our list of grasses in many years. She has come to the front with a grain which is fully demonstrated to be of extraordinary value for growth on poor soils and in drouthy sections. The chaff adheres to the grain when threshed. One South Dakota farmer says: "The Speltz did remarkably well. It is a wonderful 'stooler' and robust grower, yielding nearly 60 bushels to the acre." While the grain is of undoubted value for milling purposes, its present use will be confined to feeding, for which purpose it is very superior. Large pkt., 5c; lb. 20c, postpaid. Market price.

All prices are subject to market fluctuations.

Market prices and quotations on larger quantities of above seeds given upon application.



LIST OF LEADING VARIETIES OF FLOWER SEEDS

	PER PKT.		PER PKT.
Alyssum, sweet	05	Lobelia Gracilis	05
“ dwarf	05	Larkspur, double, tall	05
Asters, comet or branch, White Giant	10	“ double, dwarf	05
“ comet or branch mixed	10	Marigold, double dwarf, French	05
“ German quilled, mixed	05	“ double dwarf, African	05
“ Truffant's Pæony Flowered, colors mixed	10	Morning Glory, mixed	05
“ Victoria, mixed	10	Moonflower	05
“ Mignon, mixed	10	Mignonette, sweet, large flowering ..	05
“ good mixed	10	“ Giant White	05
Balsam, double mixed	05	“ Giant Machett	05
“ “ Camelia	05	Poppies, single and double mixed ..	05
“ “ white	05	“ carnation, mixed	05
“ “ dwarf, mixed	05	“ Shirley Imperial (perennial)	05
Bachelor's Button	05	Pansy, Trimardeau, mixed	10
Castor Bean, Sanguineus, mixed	05	“ Bugnot	10
“ “ Zanzibariensis, mixed ..	05	“ grand mixture, German	10
Candy Tuft, mixed	05	“ good mixture	05
“ “ dwarf	05	Petunia, single, mixed	05
“ “ white	05	“ double, mixed	05
Canna, mixed	05	Phlox, Drummondi, mixed	05
“ Mme. Crozy Hybrids	05	“ “ large flower, mxd	05
Carnation, German, mixed	10	“ “ large flower, white	05
“ Marguerite, mixed	10	Pinks, Chinensis, double mixed	05
Chrysanthemum, annual, mixed	05	“ Imperialis, double mixed	05
Cosmos, Early Flowering	05	“ Heddewigii, double mixed	05
“ Giant of California	05	“ “ single mixed	10
Calliopsis, mixed	05	Portulaca, double mixed	10
Convolvulus Minor, mixed	05	“ single mixed	05
California Poppy	05	Smilax	05
Daisy, double mixed	10	Salvia, Splendens	10
Four O'clock, Marvel of Peru	05	Sweet William, double mixed	05
Forget-Me-Not, Alpestris	05	“ “ single	05
Gourds, ornamenta , mixed	05	Stocks, Ten Weeks	05
“ sugar trough	05	Verbenia, mixed	05
“ dipper	05	“ Mammoth, mixed,	10
“ dish cloth	05	Wild Cucumber	05
“ nest egg	05	Wild Flower Garden Mixture	05
Hollyhock, double mixed	05	Zinnia, mixed	05
		“ Zebra	05

SWEET PEAS.

A choice, carefully revised selection, including the choicest new sorts.

The seeds should be sown *as early as the ground can be worked* in the spring to enable the vines to get a good, strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench six inches deep; in this sow the seed and cover two inches deep. As soon as the plants begin to show through, fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of summer.



Sweet Peas.

- America.—Crimson scarlet, irregularly striped.
- Aurora.—White ground, flaked with bright orange.
- Lottie Eckford.—White grown, blended with blue lavender.
- Mars.—Bright, fiery crimson; a gorgeous flower.
- Mrs. Jos. Chamberlain.—White striped, and flecked with bright rose color.
- Navy Blue.—An entirely distinct new color, (not tint) elegantly veined, nearly like deep violets.
- New Countess.—Both standards and wings are pure light lavender.
- Prima Donna.—Lovely shade of soft pink of large size and fine form.
- Pink Friar.—Soft carmine rose, beautifully shaded.
- Othello.—A beautiful dark chocolate red.
- Salopian.—Deep crimson, suffused with rich orange scarlet.
- Schazada.—Rich, dark maroon, shaded purple.

Named varieties separate. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c. Each of the above in splendid mixture, oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Nasturtiums.—Few flowers impart such rich "bits of beauty" to the garden as the different types of Nasturtiums. In addition to their use in the garden and on trellises, we would recommend planting the seed freely along fences, hedges, etc., or wherever it is desired to have bright colors in profusion. Prices, finest dwarf, mixed, oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00. Finest tall, mixed, oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

- Black Knight.—Deep maroon, clear and shining, free flowering.
- Blanche Burpee.—White, variety.
- Blanche Ferry.—Extra early standards, a carmine pink, wings almost pure white.
- California.—Light flesh pink.
- Crown Jewel.—Primrose yellow, veined with violet rose.
- Emily Eckford.—Light reddish mauve, blue wings.
- Emily Lynch.—Deep rose pink, shaded with buff.
- Golden Gleam.—Deep primrose yellow, the best yellow.
- Golden Gate.—Pinkish mauve and lavender.
- Gray Friar.—Purple shadings on a white ground.
- Katherine Tracy.—Brilliant pink, free bloomer.
- Lady Penzance.—Delicate rose, silky texture.
- Lady Nina Balfour.—Delicate lavender, shaded with a beautiful shade of gray.

POULTRY SUPPLIES.



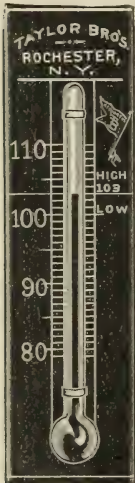
We handle a complete line of Poultry Supplies of the best quality. Prices are subject to important market changes; transportation charges to be paid by purchaser except where noted.

Philadelphia Poultry Marker.—A very convenient little spring punch, as shown in

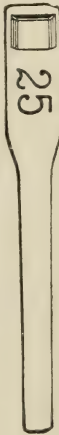
cut, for marking chickens. Price 25c, postpaid.

Tested Thermometers.—For incubators. Each 80c, postpaid.

Champion Leg Band.—Made of soft, pliable brass band, which is far superior to any other material.



The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened, and can be instantly adjusted to fit any bird from a pigeon to a turkey. Price, 20c per doz.; 100 \$1.25, postpaid.



Crushed Oyster Shells.—This is a most

important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00.

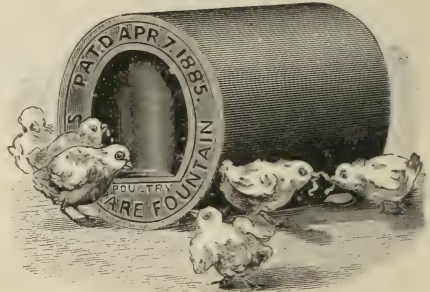


Caponizing Instruments.

\$2.50 per set, postpaid.



The Old Way.



The New Way.

Stone Drinking Fountains.—Keep the water cool and clean, and prevent the birds from getting wet. Price, 2-quart size, 25c; doz. \$2.50; gallon size 35c; doz. \$3.50; 2-gallon size 50c; doz. \$5.00.

Fine Bone Meal.—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.



Mica Crystal Grit.—Undoubtedly the best quality grit on the market. We have the regular size, and also a small size for young chicks. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00.



Ashton's Poultry Specific.—A positive cure for Roup, Kanker, Gapes, Pips, Cholera, Swell-head, Scaly Leg, and all Diseases of the Head, Eye and Throat. Price 50c and \$1.00 per bottle.

MISCELLANEOUS.

Perfect Plant Food.—An unsurpassed fertilizer for plants, which is prepared especially for plants grown in the house, garden or conservatory; clean, largely soluble in water, producing healthy plants, free from vermin, and early and abundant blossoms. Per lb. Pkg. 25c; postpaid for 40c.

Lawn Fertilizer.—A plant food which will force a luxuriant growth; also a very desirable and beneficial fertilizer for garden use; Price, 10 lbs. 60c; 25 lbs. \$1.00; 100 lbs. \$3.25, by freight or express.

TWINE.

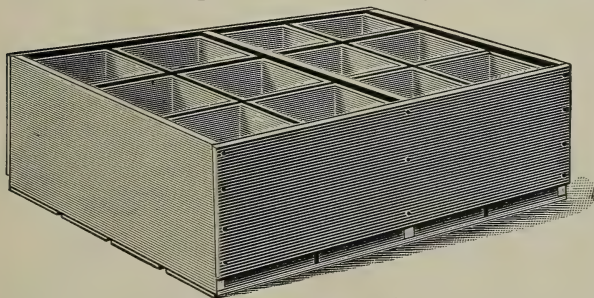
Raffia.—Imported; best grade. Gives better satisfaction than anything else for tying plants, asparagus, bunches, etc. Light, neat, strong, durable and very cheap. Lb. 25c; 10 lbs. \$2.00.

White Cotton Twine.—For tying herbs, radishes, beets, celery, onions, salsify, etc. Price, 20c per lb.

Jute.—For tying vegetables, etc. Lb. 15c. (For Twine, Jute and Raffia sent by mail, add 15c per pound postage. Prices on twine subject to market changes.

FRUIT PACKAGES.

Being the largest dealers in the west in fruit packages, we can furnish you the best stock made, at low prices. Prices are subject to change during season.



Berry Boxes.—Made of the best white wood, heart stock, cut smoothly, and perfect shape; size $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{3}{8}$, and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes complete for shipment, and are all ready for putting together,

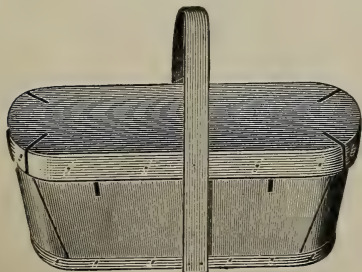
which can be done very rapidly. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100, 35c; per 1,000, \$2.50. If a large lot is wanted ask for price.

Annealed Tacks.—For making boxes. Per lb. 30c; 4 lbs. \$1.00.

Magnetic Tack Hammer.—Picks up the tacks and saves much of the labor. Price, 15c each.

Crates.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." Price, 24-quart crates, per 10, \$1.00; per 100, \$7.00.

Crate Nails.—Of barbed wire, and far superior to any other. Price, 12 lbs. (will make 100 crates) for \$1.00



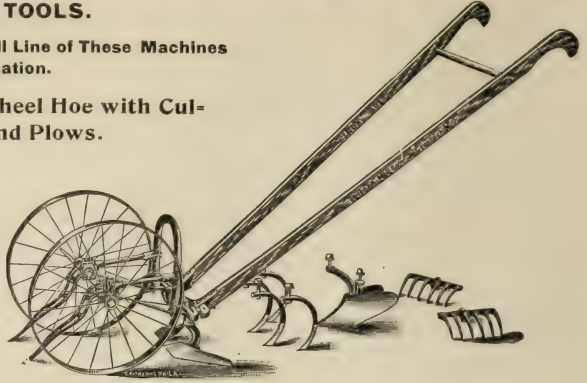
Climax Grape Basket.—Illustrated herewith is the best for shipping grapes, cherries, etc. It is of the standard 8-pound size, making a strong but light package. Baskets are nested for shipment with the covers and bent handles in separate packages; also used for egg baskets. Price, 10, 40c; 100, \$2.50. Ask for prices on large lots.

FARM AND GARDEN IMPLEMENTS. THE IRON-AGE TOOLS.

Separate Catalogue Containing Full Line of These Machines
Free on Application.

"Iron Age" No. 1, Double Wheel Hoe with Cultivators, Rakes and Plows.

An indispensable machine to the market gardener or anyone cultivating a garden to the size of a one-half acre. This machine, complete, with all attachments. **Price, \$6.00.**



"Iron Age" No. 6, Combined Double Wheel Hoe, Hill and Drill Seeder.

A practical tool for the market gardener. Will sow all kinds of seed from celery to beans, with the greatest regularity. Can be changed instantly from drill sowing to hill dropping, or the reverse. Complete with cultivators, rakes, hoes, plows. **Price, \$10.00.**



"Iron Age" No. 7.—
Same as No. 6; no attachments. **Price, \$7.50.**

"Iron Age" No. 17 Combined Single Wheel, Hoe and Drill Seeder.

This machine sows only in drills. It does not alternate into a hill planter. Many market gardeners demand a separate machine for planting in hills. It is equipped with a complete set of cultivators, such as hoes, cultivator teeth, rakes, plows, vine lifter, and an attachment for marking out the rows. **Price, \$8.00.**

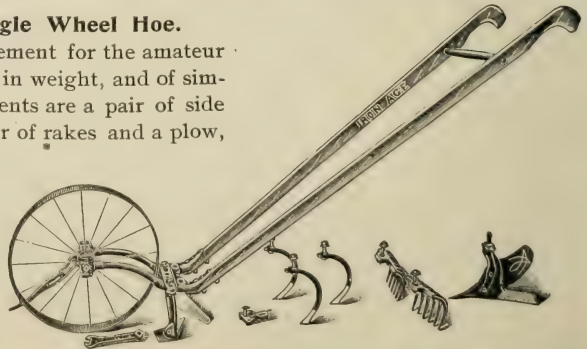
"Iron Age" No. 18.—Same as No. 17, with no attachments. **Price \$6.00.**

"Iron Age" No. 20, Single Wheel Hoe.

A strongly constructed implement for the amateur or market gardener. It is light in weight, and of simple construction. The attachments are a pair of side hoes, three cultivator teeth, pair of rakes and a plow, which combined makes a useful garden tool. **Price, \$5.00.**

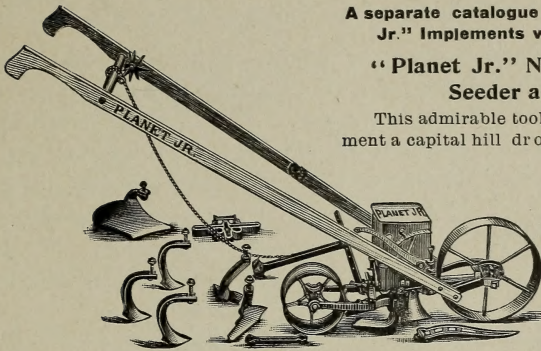
"Iron Age" No. 21, Plain Single Wheel Hoe.

The same as No. 20, with only the side hoes. **Price, \$3.25.**



NOTE.—All these tools have the celebrated Iron Age high wheel (16 inches high) and many other points of merit, and are well known to be satisfactory and complete.

THE "PLANET JR." GARDEN TOOLS.



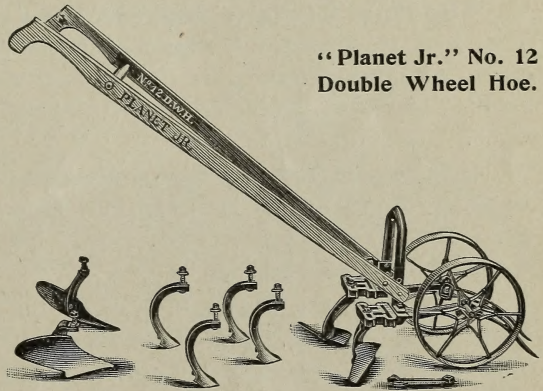
A separate catalogue containing full line of the "Planet Jr." Implements will be sent to all who apply for it.

"Planet Jr." No. 4, Combined Hill and Drill Seeder and Single Wheel Hoe.

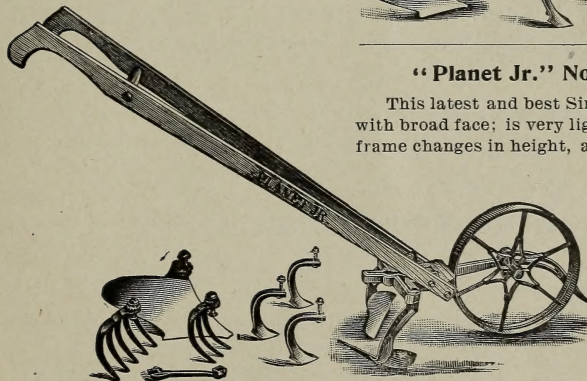
This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. With this one implement a farmer can do practically all the work in his small crops. Price, complete, **\$10.50.**

Planet Jr. No. 4, with no attachments, simply as a drill seeder. Price, **\$8.50.**

The thoughts of back-breaking, hand-hoeing and weeding prevent many a man from making money out of a garden. The easier, surer and better way is to use a "Planet Jr." Double Wheel Hoe. Cultivates perfectly all garden crops, astride or between the rows. Throws the dirt to or from the row, cultivates the middles, breaks up the crust and levels the surface. Plows, turning furrows either right or left, hills up and furrows out. Adjustable to any width of row. Strong, durable and lasting. Price, **\$7.00.**



"Planet Jr." No. 12 Double Wheel Hoe.



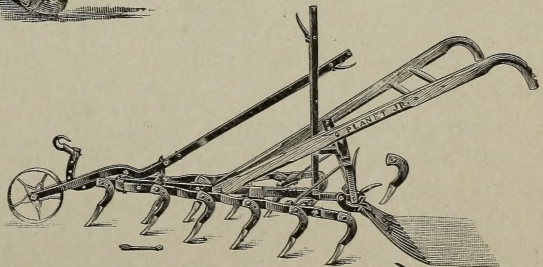
"Planet Jr." No. 16 Single Wheel Hoe.

This latest and best Single Wheel Hoe has 11-inch wheel with broad face; is very light, strong and easy running. The frame changes in height, and the wheel may be attached to the other side of the frame when both sides of the row may be hoed at one passage. Price, **\$5.85.**

"Planet Jr." Harrow and Cultivator Combined.

This tool is recommended to farmers, market gardeners and strawberry growers. It has a high frame and chisel shaped teeth. The foot-lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. It contracts to 12 inches and expands to 32 inches. Price, complete, **\$8.50.**

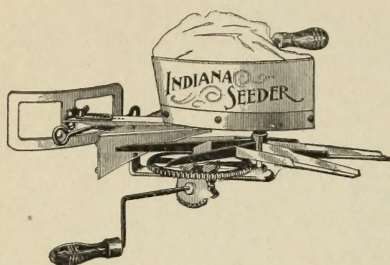
Plain Harrow, **\$5.80.** Harrow with wheel **\$6.90;** complete **\$8.50.**



THE "COLUMBIA" BROADCAST SEED SOWER.

A Practical Machine for Sowing Correctly All Varieties of Farm Seeds.

Perfect in distribution. Mechanically constructed. Neatest and most simple, Has automatic cut-off and regulator. The lightest running of all Seed Sowers. Strongest in construction. The lowest priced standard machine manufactured. Each machine packed separately. The many advantages of this seeder should appeal to every shrewd buyer.



Price, \$1.25.

The New Cyclone Seeder.—Will sow timothy, clover, wheat, oats, rye, buckwheat, Hungarian, bone dust, red top, turnip, millet, corn, cotton and all other grains and seed perfectly even, and any desired amount to the acre, and from forty to sixty acres a day. Price, \$1.50.

Improved Cahoon Seed Sower.—A favorite with farmers in all parts of America. Reliable in every respect. The old standard make for sowing wheat, oats, hemp, barley, rye, buckwheat, grass seeds, etc. Price, \$2.75.

Rotary Corn Planter.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at the proper depth. It is easily worked and a most satisfactory tool in every way. Price, \$1.25.

Hot-Bed Thermometers.—Each, \$1.00.

Garden Trowels.—5-inch, 10c; 6-inch, 15c.

Florist Trowels.—Extra heavy, 50c.

Concave and Curved Seed Potato Knife.—Each, 35c, postpaid.

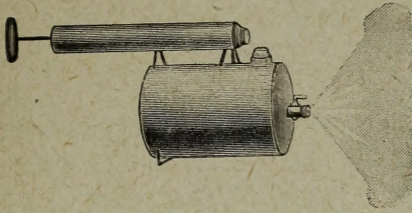
Lang's Hand Weeder.—It is, in our opinion, the best weeder made. Its special advantages over all other weeders of this class is, that it has a band which passes over the fingers, which when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. Price, 25c; \$2.50 per doz; 30c each, postpaid.

Excelsior Weeding Hook.—Can be used to great advantage among small and tender plants. Price, 10c; \$1.10 per doz., or postpaid for 20c each.

Hazeltine's Weeder.—Blade is solid steel, oil tempered, and has five sharp edges. Price, 30c, or postpaid for 35c each.

THE UTICA BLIZZARD HIGH PRESSURE SPRAYER.

(Patent Applied for.)



The handiest and easiest working Sprayer made for spraying fruit trees, tobacco, potatoes, poultry houses, whitewash, etc. It sells at sight as evidenced by our experience last season. Holds one gallon of mixture, and after pumping in a few strokes of air, works continuously. Will throw a broad-spread, mist-like spray. Also direct from

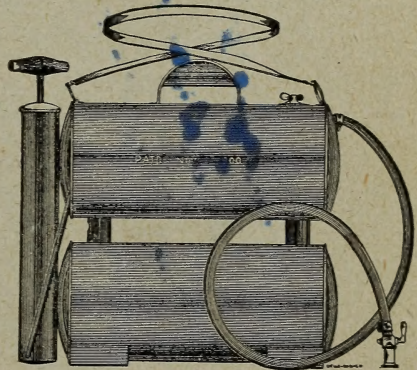
the stop-cock a coarse Bordeaux spray, ten to twelve feet high, and a straight stream much higher. Is equipped with our Utica stop-cock and nozzle as described under head of Utica High Pressure Sprayer.

Utica Blizzard, No. 35, galvanized iron tanks, retail price, each..... \$2 00
 " " No. 30, brass tanks, retail price, each..... 3 00

THE UTICA HIGH PRESSURE DOUBLE CYLINDER SPRAYER.

The best in the world. Four gallons carried easily.

Made of heavy galvanized iron, strongly braced and reinforced in every part. Heads swelled and double seamed. Heavy cast brass filler, cap and screw. Strong, 2-inch force pump, with heavy rods, best calf leather plunger and spring brass spreaders for leathers. Brass ball-check valves. The most perfect working sprayer ever invented. It is also made of 20-ounce copper, which will last a lifetime. Adapted for all classes of spraying. This sprayer, when filled and charged, which takes half a minute, will spray continuously for 15 minutes, and will throw a stream thirty feet high. It is especially fine for large work in potato fields,



vineyards, tobacco plantations, fruit tree spraying, white washing, chicken house spraying and greenhouse work. Also for applying disinfectants in barns, etc.

No. 15, made of sheet steel, retail price, each..... \$5 50
 No. 40, made of galvanized iron, retail price, each..... 6 00
 No. 20, made of copper, retail price, each..... 8 00

All complete, with 30 inches of hose, as represented above.

Extra hose, retail price, 12 cents per foot.



CLARK'S SURE THING CATTLE FLY KILLER OIL.

The best compound for keeping flies off horses and cattle, and killing lice on hens, cattle, etc. Was sold with big success last season, and is pronounced by the trade who handled it superior to any other.

Retail price, per gallon..... \$1.00

STRAWBERRY PLANTS

Combination—Self Fertilized

This variety we especially recommend. They produce larger and smoother berries than any other. Very sweet and palatable. Price 75c per 100; \$4.00 per 1000.

We can supply you with the following additional varieties, price 65c. per 100; \$3.00 per 1000:

May King.	Warfield.
Mt. Vernon.	Beder Wood.

GRAPEVINES

The Royal Vernage

The very best grape for all purposes ever introduced in this country. Very prolific, hardy, never mildew, excellent flavor, early bearing, splendid keepers, beautiful color, handsome clusters.

Berries are at least one-third larger than the Concord, slightly oval in shape, firm meat, sweet, fruity flavor.

The vines are easily grown, rapid growers, hardy in this climate, do well in any situation, bear young, and produce a large crop.

Color, a whitish green, changing to a roseate blush on the side kissed by the sun. Price \$1.00 each.

RASPBERRIES

Gregg transplants..... per 100, \$1.50; per 1000, \$10.00

BLACKBERRIES

Snyder..... per 100, \$1.50; per 1000, \$10.00

RHUBARB SETS

Peach flavor.....5c. each; per doz. 40c.; per 100, \$2.50

ASPARAGUS ROOTS

Barr's Mammoth.....	per 100, \$.75;	per 1000, \$4.00
Palmetto.....	“ “	.85;	“ “ 4.50
Mammoth White.....	“ “	1.00;	“ “ 5.00

Cabbage, Tomato and other Vegetable Plants in season.