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SEED LABORATORY

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Spring
1900



Savage & Reid

SALEM,

OREGON.

SEED CATALOGUE

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Savage & Reid

SALEM, OREGON.

SAVAGE & REID'S

Catalogue and Price List.

With the return of another season we would take all of our many customers by the hand with a hearty greeting.

It is with a great degree of satisfaction that we feel justified in saying that the most pleasant relations have been sustained with all those with whom we have had a business experience. It shall be our aim to so conduct our business in the future that these conditions may be continued and that we may merit the confidence of all our patrons.

Seeds Postage Free. As usual, we offer to send all vegetable and flower seeds in quantities of one pound or less by mail post-paid to any postoffice in the United States at the prices named in the Catalogue, except in the case of a few heavy seeds, such as beans, corn and peas, in regard to which special note is made in the catalogue under these different headings. In ordering vegetable or flower seed to be sent by **Express or freight** at your expense, deduct 10c per pound from single pound price, except for beans, corn, peas and onion sets.

Write your Name, Postoffice, County and State on the order; inclose with the same sufficient money to pay for the goods, as per price given in this catalogue. Money can be sent safely either by Postoffice Order, Express Money Order, Bank Draft or Registered Letter. Postage Stamps will be received for small amounts.

We have taken great care in the selection of our stock and feel confident that our seeds are such as will give general satisfaction, we can therefore assure our patrons, that not only is the quality of our seeds first class, but that we have plenty of stock to fill their orders and that we will use the greatest care in filling our orders promptly and carefully.

Seeds in Bulk. We carry a full stock of Garden and Grass Seed in bulk from which we can supply Gardeners and farmers at the lowest market rates.

Bee Supplies. We would call special attention to our bee keepers' supplies. We believe that the stock which we offer is superior to anything which has ever been offered on this market before. If you are interested in Bees, send for our catalogue of bee keepers' supplies.

If you want anything in the seed line which you do not find quoted in this Catalogue, write us. We can probably supply you with it.

Wishing you all a prosperous year, we are,
Yours Truly,

Savage & Reid,

322 and 324 Commercial Street, Salem, Oregon.



VALUABLE TABLES.**Table Showing the number of pounds in bushels, and quantity of seed required to sow an acre of ground.**

	Lbs. per Bushel.	Lbs. to Acre.		Lbs. per Bushel	Lbs. to Acre.
Alfalfa or Lucerne.....	60	20 to 30	Grass, Hungarian.....	48	25 to 30
Barley—broadcast.....	56	125 to 130	Grass, Millet for pasture..	50	25 to 30
Beans, Dwarf or Bush, hills	60	40	Grass, Millet, for seed ...	50	15
“ “ “ drills	60	80	Grass, Mixed Lawn.....	14	100
Beans, Tall or Pole, hills,	60	25	A much larger quantity of seed is required to make a close fine lawn than for other purposes.		
Beet, Garden—drills.....		6	Grass mixture.....	36	
Beet, Field—drills.....		4 to 6	For mowing { Clover		5
Broom Corn—drill.....	46	12	or grazing { Timothy		10
Buckwheat—broadcast...	50	45	{ Red Top		10
Cabbage in beds to cover 1			Hemp—broadcast.....	44	30 to 40
acre after transplanting		$\frac{1}{4}$	Melon, Water—hills.....		2 to 3
Carrots—drills.....		2 to 3	Melon, Musk—hills.....		2 to 2½
Cheat	30	75 to 85	Oats—broadcast	36	80 to 90
Clover, Red—broadcast..	60	10 to 15	Onion, Black Seed—drill.		4 to 6
Clover, White—broadcast	60	6 to 8	Onion, Black Seed, for bot-		
Clover, Alsike—broadcast	60	8 to 10	tom sets.....		30
Clover—Sainfoin.....	45	40 to 50	Onion Sets—drills.....		250
Corn, Sweet—hills.....	50	10 to 15	Parsnip—drills.....		3 to 5
Corn, Field, to cut green			Peas—drills.....	60	75 to 100
for fodder — drills or			Peas—broadcast.....	60	100 to 150
broadcast.....	56	100 to 125	Potatoes—hills.....	70	500
Cucumber—hills.....		2	Pumpkin—hills....		3 to 4
Flax—when wanted for seed	56	30	Radish—drills.....		8 to 10
Flax—when wanted for fibre	56	50	Rye—broadcast.....	56	100
Grass, Kentucky Blue, for			Sage—drills.....		8
pasture.....	14	20 to 30	Spinach—drills.....		10
Grass, Kentucky Blue, for			Squash, buse varieties—hills		4
Lawns.....	14	100	Squash, running varieties—		
Grass, Orchard.....	14	20 to 40	hills.....		3
Grass, English or Austra-			Sugar Cane.....		4 to 5
lian Rye, for meadow.	20	30 to 50	Tomato—in beds to trans-		
Grass, English or Austra-			plant.....		$\frac{1}{8}$ to $\frac{1}{4}$
lian Rye, for lawns ...	20	100 to 200	Turnip and Rutabaga—drills		$\frac{1}{2}$ to 2
Grass, Italian Rye.....	20	30 to 50	Turnip and Rutabaga—		
Grass, Red Top.....	14	20 to 40	broodcast.....		3
Grass, Timothy	45	10 to 15	Vetches—broadcast	70	150
Grass, Meadow Fescue or			Wheat—broadcast.....	60	80 to 100
English Blue Grass....	20	20 to 35	Wheat—drills..	60	70 to 80
Grass, Mesquite, in the chaff	10	20 to 30			
Grass, Tall Meadow Oat..	10	30 to 50			

Write for our Catalogue of Bee-Keepers' Supplies.

FOREIGN NAMES OF VEGETABLES AND HERBS.

ENGLISH.	GERMAN.	FRENCH.	ITALIAN.
Anise.....	Anis, Grüner Anis.....	Anis.....	Aniso, Anacio.....
Artichoke.....	Artischoke.....	Artichaut.....	Articiocca.....
Asparagus.....	Spargel.....	Asperge.....	Sparagio.....
Balm.....	Citronen-Melisse.....	Melisse Citronelle.....	Melissa.....
Basil.....	Basilikum.....	Basilic grand.....	Basilico.....
Beans.....	Bohnen.....	Haricots.....	Fagioli.....
Beet.....	Rübe.....	Betterave.....	Barbabetola.....
Borage.....	Boretsch.....	Bourrache.....	Boragine.....
Brocoli.....	Spargelkohl.....	Chou Brocoli.....	Brocoli.....
Brussels Sprouts.....	Rosenkohl.....	Chou de Bruxelles.....	Cavolo di Bruxelles.....
Cabbage.....	Kopfkohl, Kraut.....	Chou pommé.....	Cavolo cappuccio.....
Cabbage Savoy.....	Wirsing.....	Chou de Milan.....	Cavolo di Milano.....
Caraway.....	Feld-Kümmel.....	Cumin des prés.....	Carvi.....
Carrot.....	Carotten, Möhren.....	Carotte.....	Carota.....
Cauliflower.....	Blumenkohl.....	Chou-fleur.....	Cavolofiore.....
Celery.....	Sellerie.....	Célieri.....	Sedano.....
Celeriac.....	Knoll-Sellerie.....	Célieri-rave.....	Sedano-rapa.....
Chervil.....	Kerbel.....	Cerfeuil.....	Cerfoglio.....
Chicory.....	Chicorienwurzel.....	Chicorée sauvage.....	Cicoria selvatica.....
Coriander.....	Coriander.....	Coriandre.....	Coriandorlo.....
Corn Salad.....	Feldsalat.....	Mache.....	Valeriana.....
Corn.....	Mais.....	Mais.....	Mais.....
Cress.....	Garten-Kresse.....	Cresson alenois.....	Agretto.....
Cress, Water.....	Brunnenkresse.....	Cresson de fontaine.....	Nasturzio aquatico.....
Cucumber.....	Gurken.....	Concombre.....	Cetriolo.....
Dandelion.....	Löwenzahn.....	Pissenlit.....	Dente de leone.....
Dill.....	Dill.....	Aneth.....	Aneto.....
Egg Plant.....	Eierpflanze.....	Aubergine.....	Petonciano.....
Endive.....	Endivien.....	Chicorée Endive.....	Indivia.....
Fennel.....	Fenchel.....	Fenouil.....	Finocchio.....
Garlic.....	Knoblauch.....	Ail.....	Aglio.....
Horse Radish.....	Meer Rettig.....	Raifort sauvage.....	Rafano.....
Hyssop.....	Isop.....	Hyssope.....	Issopo.....
Kale.....	Blatterkohl.....	Chou vert.....	Cavolo verde.....
Kohl Rabi.....	Knollkohl.....	Chou-rave.....	Cavolo rapa.....
Lavender.....	Lavendel.....	Lavende.....	Lavanda.....
Leek.....	Porree, Lauch.....	Poireau.....	Porro.....
Lettuce.....	Lattich, Kopfsalat.....	Laitue.....	Lattuga.....
Marjoram.....	Majoran.....	Marjolaine.....	Maggiorana.....
Melon.....	Melone.....	Melon.....	Popone.....
Melon, Water.....	Wasser-Melone.....	Melon d'eau.....	Melone d'aqua.....
Mushroom.....	Schwamm.....	Champignon.....	Fungo pratajolo.....
Nasturtium.....	Kapuciner Kresse.....	Capucine.....	Nasturzio.....
Okra.....	Ocher.....	Gombaud.....	Ocra.....
Onion.....	Zwiebel.....	Ognon.....	Cipollo.....
Parsley.....	Petersilie.....	Persil.....	Prezzemolo.....
Parsnip.....	Pastinake.....	Panais.....	Pastinaca.....
Peas.....	Erbsen.....	Pois.....	Pisello.....
Pepper.....	Pfeffer.....	Piment.....	Peperone.....
Pumpkin.....	Melonen-Kurbiss.....	Potiron.....	Zucca.....
Radish.....	Radies.....	Radis.....	Ravanello.....
Rhubarb.....	Rhabarber.....	Rhubarbe.....	Rabarbaro.....
Rosemary.....	Rosmarin.....	Romarin.....	Rosmarino.....
Rue.....	Raute.....	Rue.....	.....
Saffron.....	Safran.....	Safran.....	Zafferano.....
Sage.....	Salbei.....	Sauge.....	Salvia.....
Salsify.....	Haferwurzel.....	Salsifis.....	Sassefrica.....
Sorrel.....	Sauerampfer.....	Oseille.....	Acetosa.....
Summer Savory.....	Bohnenkraut.....	Sarriette annuelle.....	Santoreggia.....
Spinach.....	Spinat.....	Epinard.....	Spinace.....
Squash.....	Kürbiss.....	Courge.....	Zucca.....
Tansy.....	Gemeiner Rainfarn.....	Tanaisie.....	Atanasia.....
Thyme.....	Thymian.....	Thym.....	Timo.....
Tomato.....	Liebesapfel.....	Pomme d'Amour.....	Pomo d'oro.....
Turnip.....	Weisse Rübe.....	Navet.....	Navone.....
Wormwood.....	Wermuth.....	Absinthe.....	Assenzio.....

General List of Vegetable Seeds.

The vegetable seeds, which we herein list, have been selected with great care and have been thoroughly tested. All are first class and we think are the best varieties obtainable. We are constantly adding to our list such new and improved kinds as come to our notice, and believe that we are offering a very complete assortment, but, should any customer desire seeds not listed we will be pleased to procure them.



Green Globe Artichoke.

ARTICHOKE.

Large Green Globe. The variety used as a table vegetable. The edible portion is the flower head. Sow early in drills one foot apart, and when about ten inches high transplant into rows four feet apart and two feet in the row. Mulch during dry weather. It prefers rich, deep loam and should be well manured every spring. Will produce only a small crop the first year, but continues in good bearing about five years. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 90c.

For Artichoke Tubers, See Garden Roots.

ASPARACUS.

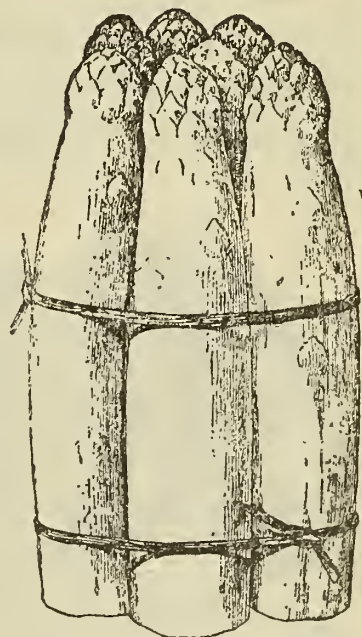
Sow the seed early in the spring, in drills, about one inch deep. Thin out when the plants are three or four inches high. Keep the soil mellow and free from weeds during the summer. In the fall or succeeding spring, the plants may be set in beds about one foot apart each way, and the crown six inches below the surface. The soil should be rich and deeply cultivated to secure a good crop. A saving of two years' time may be made by purchasing plants two or three years old instead of sowing seed.

Conover's Colossal. Large and of rapid growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Palmetto. About the same size as Colossal, but earlier. Shades on the bright green in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Columbian Mammoth White. It produces pure white shoots, and requires no artificial blanching. On this account it brings in the market a much higher price than any other sort. It is a strong grower, and comes remarkably true from seed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c.

Barr Mammoth. Has very large tender stocks of a very light color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Columbian Mammoth White.

For Asparagus Roots See Garden Roots.

BEANS.

If ordered sent by mail, add 10 cents per lb. for postage.

Six pounds of seed to 100 yards of row.

Plant about the middle of April, if the ground is warm and the season favorable. The best mode of culture is in rows two feet apart, and the beans three inches apart and two inches deep in rows. Keep well hoed and draw the earth up to their stems only when dry, as earth scattered on the leaves when wet with rain or dew will cause them to rust and injure the crop.



Extra Early
Refugee.

GREEN PODDED VARIETIES.

Extra Early Refugee. Claimed to be the earliest green-podded variety. Similar to, but two weeks earlier than the old Refugee. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Early Long Yellow Six Weeks. Hardy standard variety; vine vigorous and productive. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Early Mohawk. The hardiest of the bush kinds. The pods are pale green, large and broad. The vines continue in bearing a long time and will withstand a light frost. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Improved Red Valentine. The earliest Valentine Bean. Productive, tender and of excellent flavor. Round-podded. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Refugee or Thousand to One. The best late kind; very productive. The pods are dark green veined with purple, tender and crisp, and considered the best variety for pickling. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Broad Windsor. Stalks erect, strong and shrubby. The bean is large, broad and flat. They are best green-shelled. To insure well-filled pods, pinch off the top and ends of the shoots when the pods are forming. The best of the English Dwarf Beans. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.



Red Valentine.



Horticultural.

DWARF HORTICULTURAL. A strong grower, producing a large crop. The bean is highly prized for use green-shelled, being preferred by some to the Lima; also good dry-shelled. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.15.

Royal White Kidney. The bean is large, long, slightly curved, and pure white. It yields a heavy crop, and is one of the best, either green-shelled or dry. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Henderson's Dwarf Lima. The earliest Lima Bean known. Bean small and of fine flavor. Pkt. 10c; 1 lb. 20c; 5 lbs. 90c.

CANADIAN WONDER. An immense green podded dwarf bean of the finest quality. Many of the pods measure fifteen inches in length and are very tender and of the most delicious flavor. For string beans or cooked as Limas it is equally desirable, and we are glad to be able to offer such a splendid variety to our patrons. The vines are strong and vigorous in growth, producing their handsome pods in great profusion for a long time during the season. Pkt. 10c; 1 lb. 20c.

Burpee's Bush Lima. A Bush form of the large flat pole Lima. Pkt. 10c; 1 lb. 20c; 5 lbs. 90c.

✓ **Improved Tree Bean.** The most prolific field variety. Grows twenty inches high and branches out like a tree. Pkt. 10c; 1 lb. 10c; 10 lbs. 75c.

WAX VARIETIES.

Davis Wax. A hardy, rustless and immensely-productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up off from the ground. Cooked when young, they are tender, juicy and of fine flavor. It is one of the best for market gardeners, because of its hardiness, productiveness, handsome appearance, its good shipping and selling qualities, and the small proportion of waste and second-quality pods. Canners say "it is just what we want, a long, straight, clear white pod, which does not discolor in canning." The large, white, handsome kidney-shaped dry beans are attractive. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.35.

Davis Wax.

Rust Proof, or Detroit Wax. It is not likely to rust even when exposed to very wet weather. Pod flat, good length and very broad. It is valuable for shipping, as it keeps fresh and crisp a long time. It is extra early; quality in the pod all that can be desired, and also excellent green shelled. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

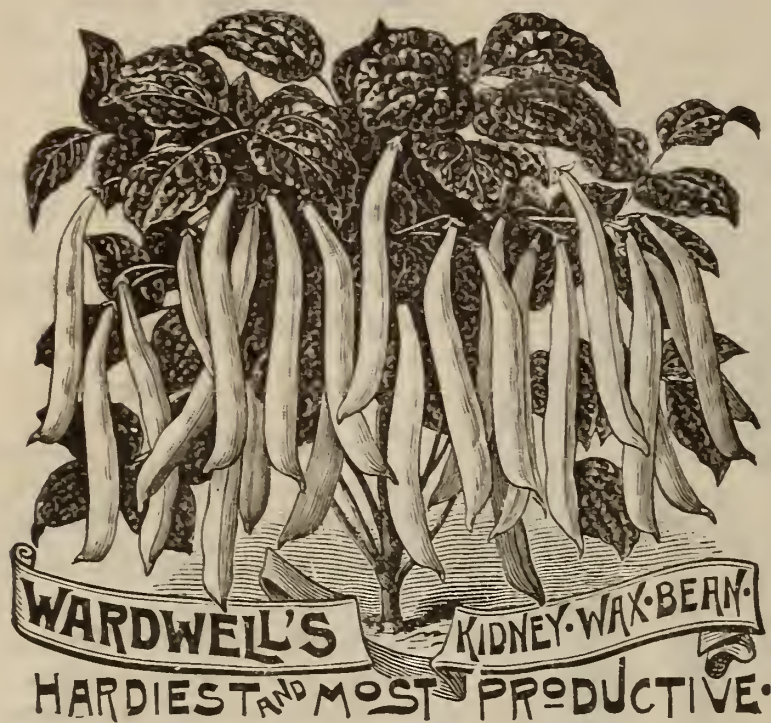
Golden Wax Dwarf.

The standard wax bean. The pods are large and long and entirely stringless. As a snap bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell beans grown for winter use. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.



Golden Wax Dwarf.

German White Wax. A variety similar in every respect to the Black Wax, except in color, which is pure white. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.



most desirable for first crop. The plants are vigorous and very productive; pods resemble those of the prolific German Wax, but a little flatter. Ripe beans jet black, medium size. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

POLE OR RUNNING.

Three pounds of Seed to 100 yards of row.

All under this head require poles and should not be planted until the ground is warm and all danger of frost is past, as they are more tender than the dwarf varieties. Plant about the middle of May, if the season is suitable. They succeed best in sandy loam, with a shovelful of rich light und well rotted compost to each hill, well incorporated.

Early Dutch Knife Case. This is one of the earliest and most prolific varieties; it has long, flat pods, with white seeds, and is good green or dry. Pod green. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Large White Lima. The standard pole Lima Bean. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Indian Chief, or Tall Black Wax. Remarkable for its fine, tender and succulent pods, which are produced in great abundance. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

White Crease Back. A good early green-podded pole bean. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

London Horticultural. Very desirable for the family garden. Vines vigorous, bearing light green pods, streaked with red. The bean is large, oval, cream colored, beautifully splashed with red, and has no superior, green shelled or dry. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Kentucky Wonder. Pods green, very long. Productive. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Asparagus. Pods long and slender, sometimes growing to one foot in length. Green in color. A good yielder and extensively used for canning. Pkt. 10c; 1 lb. 20c.

Scarlet Runner. The most productive, perhaps, of all the Kidney Beans. It is cultivated for the beauty of its flowers, as well as for the economical uses to which its pods and seeds can be applied. Pkt. 10c; 1 lb. 20c.

Wardwell's Kidney Wax. A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax like pods. They are fleshy, tender and excellent, and are ready for the table earlier than many wax varieties. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Black Eyed Wax. This is an early and vigorous growing variety. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Extra Challenge Black Wax. Extremely early, and may be considered the



BEET.

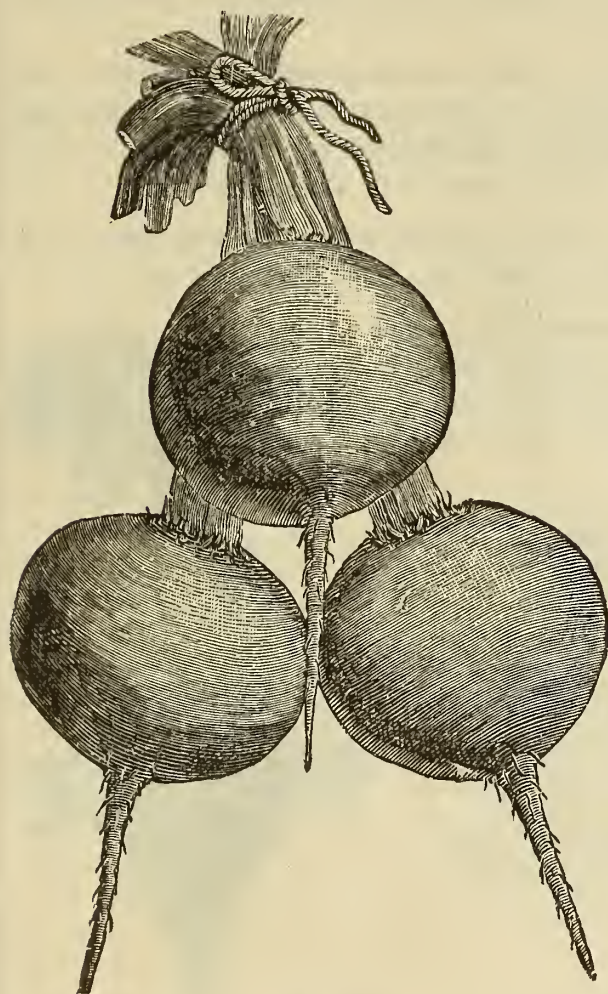
Five ounces of seed to 100 yards of row.

The soil best suited for beet culture is that which is rather light, provided it is well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked in the spring, for an early supply. When the plants are large enough, thin out to stand six or eight inches apart in the rows. Continue sowing for a succession as late as the middle of July for the early varieties. Keep free from weeds. The Sugar and Mangel-Wurzel varieties are grown for feeding stock, and should be sown from April to June in drills two feet apart, and afterwards thinned out to stand one foot apart in the rows. Keep them well cultivated.

Eclipse. This variety has proven itself one of the best early turnip beets yet introduced on account of its wonderfully rapid growth, small tops, and extra fine quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Bassano. This variety produces a large top and leaf stalks that are excellent cooked with the young roots. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

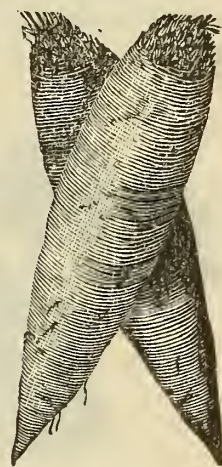
Bastian. A very early, light colored turnip beet. Pkt. 5c; 1 oz. 8c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



Eclipse Beet.

Long Dark Blood. Excellent for winter; sweet and tender blood, red, long and smooth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Half Long Blood. One of the very best for winter use; does not become woody, and keeps equally as well as the Long Dark Blood. The root is as smooth and handsome and the flesh as brilliant in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

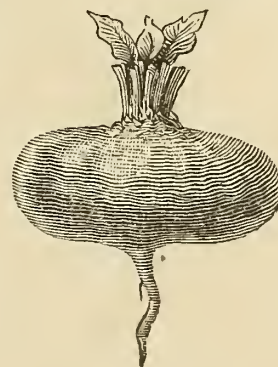


Half Long Blood

Early Blood Turnip. The leading turnip-shaped variety; of medium size, rapid growth, not liable to become woody; keeps well. Flesh, bright red, tender and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Egyptian. Early, red, smooth, skin, small top, grows much above ground; good for spring and early summer use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Edmand's Blood Turnip. A market gardener's strain of great regularity in shape; deep blood skin and very dark flesh of best quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Early Egyptian.

Early Blood Turnip. **Swiss Chard, or Sea Kale Beet.** Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves re-appear and make excellent greens. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 65c.

MANGEL-WURZEL AND SUGAR BEETS.

Mammoth Long Red. A very large variety, growing much above ground. One of the heaviest cropping varieties. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs. express to be paid by purchaser, \$2.50.



Golden Tankard.

Golden Tankard. This is undoubtedly one of the most profitable varieties to grow for stock, as it is an enormous cropper, and said to be the most nutritious Mangel in cultivation. Color, bright yellow. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Yellow Globe. A large, round, orange-colored variety, excellent quality, keeps well. Pkt. 5c; $\frac{1}{4}$ lb. 20c; 1 lb. 40c.

Golden Giant Intermediate, or Leviathan. A variety of great merit for stock feeding. Skin, yellow; flesh, white and sweet. Pkt. 5c; $\frac{1}{4}$ lb. 20c; 1 lb. 40c.

Lane's Imperial Sugar. This is an excellent variety and one of the best for stock feeding. Pkt. 5c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

French White Sugar. Large and excellent. The flesh is of a fine grain, tender and sweet. Superior for stock feeding, and for the table when young. Pkt. 5c; $\frac{1}{4}$ lb. 20c; 1 lb. 35c.

German Imperial White Sugar. It gives the best results raised in sandy soil free from alkali. Good for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Klein Wenzleben.



Golden Giant Intermediate.

Vilmorin's Improved Sugar. Very rich in sugar and does well on new lands. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c. 1 lb. 50c.

Klein Wanzleben. This is the variety which is considered the best in Germany for producing sugar, and it is now taking the lead in this country for this purpose. Our stock of seed is imported direct from one of the most careful German growers, and should be used where the best results are desired. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

BROCOLI.

One ounce of seed to 100 yards of row

Produces heads in the autumn like cauliflower, but is more hardy. Sow about the middle of May; transplant in well-enriched soil and manage the same as winter cabbage. For an early crop, the seed should be sown in a hot-bed, and cultivated the same as early cauliflower. It succeeds best in a moist soil and cool climate and can be had in perfection from November till March.



Brocoli.

Early Purple Cape. This is the best for the North, producing compact heads of a brownish purple and of good flavor. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.15.

White Cape. Similar to the Purple Cape, except in color. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.15.

BRUSSELS SPROUTS.

One ounce of seed to 100 yards of row.

Produces from the stem small heads, resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May and manage the same as winter cabbage.

Dwarf Improved. Producing compact sprouts of extra quality. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Brussels Sprouts.

CHERVIL.

Sow at any time in the spring in shallow drills, one foot apart, in well-prepared ground.

Curled. The leaves are used for flavoring soups and stews, and for garnishing, same as parsley. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c.

CHICORY.

Sow in April in drills half an inch deep, in good, mellow soil, and cultivate like carrots. Cut up and dry the roots, and roast and grind like coffee. Mix about one-fourth of ground Chicory with the coffee before cooking. It takes the deleterious effect from the coffee and improves its flavor. The plants can be blanched and used as a salad.

Large Rooted. The best known substitute for coffee. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 75.

CORN SALAD, OR FETTICUS.

Sow during August or early in September, in drills a quarter of an inch deep and six inches apart. Just before the winter cover thinly with straw or leaves.

Large Seeded. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c



Corn Salad.

COLLARDS.

Similar to Cabbage, known also as Cole or Colewort. Sow in autumn in rows a foot apart, and treat the same as cabbage. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

CABBAGE.

Cabbage will thrive in almost any soil; but to bring it to the greatest perfection, the soil should be deep, rich and moist. The ordinary method for early use is to sow it in hot-bed or cold frame in winter, or very early in the spring. For field culture they may be sown in beds and transplanted. In transplanting, set the plants up to the first leaf, no matter how long the stem may be. Keep the ground well stirred and free from weeds, and if large crops are wanted, manure very heavily. There is hardly a possibility of using too much manure.

We take special care to have our stock of Cabbage Seed the very best, and we feel safe in recommending it as being of the very finest strain. We are sure that market gardeners who use our cabbage Seed once will call for it again.



Extra Selected Early Jersey Wakefield.

flat heads, solid, and uniform in shape and color. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Extra Early Express. Produces fair-sized heads in eighty to eighty-five days from sowing of seed. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Early York. Small, but very early. Pkt. 5c. 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Winnigstadt. A fine, tender cabbage, excellent for summer; will do well for fall or winter, if sown late. The best variety to sow in the late summer for growing plants to winter over in the cold frame. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Early Flat Dutch. A medium early kind. Heads large, round, slightly flattened. It grows low on the stem and is a sure header; firm, fine-grained, tender and excellent. Keeps almost as well as the late kinds. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.



Henderson's Early Summer.

Extra Selected Early Jersey Wakefield. Special strain of fine seed from the farms of one of the oldest and most reliable Cabbage Seed Growers in the United States. Just the thing for market gardeners. The heads are of excellent quality, and of large size for so early a variety. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Charleston or Large Wakefield. A strain of Wakefield, in which the plant is larger and later, the head larger and not so pointed. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Burpee's Allhead. The earliest of all large cabbage, and larger than any other summer cabbage. Deep



Winnigstadt.

German Filderkraut. Heads rather larger and more pointed than the Winnigstadt, which it resembles. It is of excellent quality, and highly esteemed for making kraut. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Henderson's Early Summer. About ten days later than the Jersey Wakefield. The head is round and the largest of the early kinds. They can be set close in the row, as the outer leaves are small. It remains long without bursting, is firm and of the best quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

We Bring Potash direct from Germany.

Fottler's Improved Brunswick. This is without exception the best Early Drumhead variety in the market and is used by the market gardeners to succeed the earliest varieties; also for a late crop. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Succession or All Seasons. Medium early; heads large, round, slightly flattened; grows low on the stem and resembles the Early Summer, except that the heads are usually larger. It is also a good keeper, and can be used as a fall and winter variety. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.60.

Henderson's Autumn King. Enormous solid heads, dark green in color; few outer leaves, which allows an unusually large crop to be grown per acre. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.00.

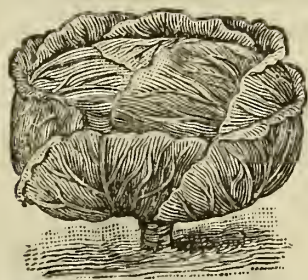
Premium Flat Dutch. *Special Strain.* The standard late variety. Produces large, round heads. Flattened on top. Heads sure to form. Keeps well and is of excellent flavor, tender and sweet. Our seed is the very best strain. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.60.



Premium Flat Dutch.

Danish Ball Head. Very round, solid, winter sort from Denmark. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.75.

Stone Mason Marblehead. A large drumhead variety; sure to head, fine grained, tender, remarkably sweet and delicious. It is very hardy, enduring severe frost and easily kept all winter. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Premium Drumhead.

Premium Drumhead. *Extra Stock.* A large and very popular variety for winter. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.60.

Surehead. Large, round, tender and rich, with very few outer leaves, being nearly all solid. Stands a drought better than any other cabbage. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Mammoth Rock Red. *True.* This is the best, largest and most reliable heading red cabbage. The head is large, round, solid, and of a deep red color. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Red Dutch. Used for pickling. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Vandergaw. A sure heading, quick growing Flat Dutch sort. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Netted Savoy. This is the finest of the Savoy Cabbages, and a general favorite wherever it is known; of excellent flavor. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Drumhead Savoy. Forms a large and compact head very tender and excellent in winter; delicious, rich flavor. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Drumhead Savoy.

For Cabbage Plants see List of Vegetable Plants.

CARROT.

Three to four pounds of seed to the acre.

This vegetable succeeds best in sandy loam, well enriched. For early crop sow in the spring as soon as the ground is in good condition. For late crops, sow until the middle of June. Sow in drills one inch deep and eighteen inches apart, thinning out to three or four inches.



No. 1.—Danver's Half-Long. No. 2.—Long Orange. No. 3—Scarlet Stump Rooted. No. 4.—French Forcing. No. 5.—Scarlet Stump Rooted. No. 6.—Ox-Heart.

inches at the neck and of most beautiful shape and rich orange color. It is of extra quality and very productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Danver's Half-Long Orange. Probably the best of the half-long type; broad-shouldered, cylindrical, admirable in color, fixed in habit, a wonderful producer; the best of all for the stock breeder, and valuable for the market gardener. With this variety, the planter secures the largest return to the acre with the least difficulty of harvesting. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

Chantenay. A stump-rooted variety having an unusually broad shoulder. One of the very best carrots for either private use or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; 5 lbs., purchaser to pay express charges, \$2.00.

Half-Long Scarlet Stump Rooted. A little later than the Horn varieties, but equal to them in grain and quality. Has no hard core, and is first-class for either table or stock feeding. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Long Orange. The long red carrot is an old stand-by for winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Large White Belgian. The lower part of the root is white; that growing and exposed above ground green. Principally used for stock feeding. Heavy cropper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs., purchaser to pay express charges, \$1.80.

Short White. A half-long, smooth variety, very heavy at the shoulder and tapering regularly to the point. Color, light green above ground, white below. Flesh white, solid and crisp. A heavy cropper; profitable to grow for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Short White.

French Forcing.

The best forcing variety. Red, small and round. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1 00.

Early Scarlet Short Horn. A favorite summer variety, fine grain and flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Ox-Heart or Half-Long Guerande. This carrot is one of the most valuable, either for family use or market. It is an intermediate between the Half-Long and Horn varieties, attaining a diameter of three to four

USE OUR VEGETABLE FERTILIZER IN YOUR VEGETABLE GARDEN.

CAULIFLOWER.

One-half ounce of seed will produce 1000 plants.

Sow for early about the middle of September or October, in a bed of clean rich earth. Transplant into frames and cover with sashes and shutters during severe weather, giving the plants light and air every mild day. Where this is not practicable, they may be had nearly as early by sowing the seed in a hot bed in January or February and when the plants are large enough transplant three inches apart in boxes or in the soil of another hot bed, until the time to plant out, say from the 20th of March to the 10th of April. If hardened off by exposure, they are seldom injured by planting out as early as the ground can be properly prepared, into a bed of the richest earth, two and a half feet apart each way.



Extra Early
Dwarf Erfurt.



Extra Early Snowball.

Extra Early Dwarf Erfurt. *Extra Selected.* Remarkable for reliability in heading. Scarcely a plant fails to produce a good head. Very dwarf, with solid, pure white heads of superior quality. One of the earliest. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00; 2 oz. \$3.75; $\frac{1}{4}$ lb. \$6.00.

Early Erfurt. *Ordinary Strain.* Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Extra Early Snowball. *Extra Selected.* The earliest and handsomest of all cauliflowers. This is unquestionably the best type of cauliflower yet produced. It *excels all others* in earliness. Owing to the short outer leaves, it can be planted as close as eighteen inches apart. It is equally good for late planting. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00; 2 oz. \$3.75; $\frac{1}{4}$ lb. \$6.00.

Early Snowball. *Ordinary Strain.* Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Early Paris. One of the popular white sure heading varieties, for either early or late. Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Large Late Algiers. A fine variety, and one of the best for late use; the heads remain firm and solid for a long time. The best late Cauliflower for this section. Pkt. 5c; 1 oz. 75c; 2 oz. \$1.35. $\frac{1}{4}$ lb. \$2.50.

Veitch's Autumn Giant. Vigorous in growth and very large, Pkt. 5c; 1 oz. 65c; 2 oz. \$1.20; $\frac{1}{4}$ lb. \$1.75; 1 lb. \$6.50.

For Cauliflower plants see Vegetable plants



Large Late Algiers.

CELERY.

Three ounces of seed to 100 yards of row.

When two or three inches high, transplant to furrows; when eight to ten inches high, fill up the furrows, continuing at intervals to hill up until fully matured and blanched, taking care not to get earth between the stalks. The vigor and quality of the stalk are improved by partially topping when transplanting. Cultivate thoroughly and keep well watered.



Kalamazoo

Perfection Heartwell

Giant Pascal

Golden Self-Blanching

Golden Hearted

Golden Self-Blanching. Close, compact, handsome; heart, beautiful golden yellow; outer stalks, yellowish white; ribs perfectly solid, crisp and well-flavored; excellent keeper. A fine celery, highly recommended. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$2.50.

Perfection Heartwell. The finest and largest of the winter varieties, either for the family or the market garden; of superior quality; heart, golden yellow. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

White Plume. This variety differs from many others, in the fact that it does not require banking—the stalk and the white inner leaves and heart are naturally white. The blanching is completed by tying with matting or pressing the soil. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Golden Hearted. A variety of great value, splendid keeper, remarkable for its fine quality. Heart of bright golden color. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Giant Pascal. Large, and of unusually rapid and vigorous growth. The stalks are easily blanched. Firm, crisp and tender; of a beautiful golden tint, and possessing in a high degree the rich, nutty flavor, which is a sure indication of its superior quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



White Plume Celery.

Pink Plume. The same as White plume, except that the stalks are tinged with pink. It is of very attractive appearance and possesses the rich flavor and long-keeping qualities for which the red celeries are noted. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Kalamazoo. One of the best varieties. Half dwarf. Pkt. 5c. 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Giant White Solid. A standard variety and one of the largest. A strong vigorous grower; crisp, tender and of good flavor; firm, and keeps longer than most others. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Boston Market. A cluster of small stalks. Very fine flavor. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Celeriac. Turnip Rooted. Roots resemble turnips. This vegetable is esteemed in Europe for a salad. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.



Celeriac.

For Celery Plants, See Vegetable Plants.

CORN.

If ordered sent by mail, add 10 cents per pound for postage.

Two pounds of seed to 200 hills.

SUGAR OR SWEET.

The Sweet or Sugar varieties, being liable to rot in wet or cold ground, should not be planted until the ground has become warm. For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, or in rows four feet apart, and drill the seed so that the plants will stand eight inches apart in the rows.

Early Cory. The earliest sweet corn; the ears are much larger than any of the other early varieties; quality very fine. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

White Cob Cory. Similar to Early Cory, but has white cobs. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Early Minnesota. One of the earliest kinds of Sweet Corn. The ears are of the best quality, very productive. A popular early variety. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Crosby's Early. Early, and a great favorite. Rather small ears, but productive and of excellent quality. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Perry's Hybrid. Stalk of medium height. The ears are large and grow long on the stalk. Kernels large, very white, tender and sweet. Pkt. 10c. 1 lb. 15c; 10 lbs. \$1.25.

Mammoth Sweet. Produces the largest ears of any variety, which are filled to the tip with large, full kernels; sweet, tender delicious. A popular variety for canning; also good for market or home use. Pkt. 10c. 1 lb, 15c; 10 lbs. \$1.25.

Early Adam's or Burlington. A very early variety, not a sweet corn but white and tender, and extensively used for the table. 1 lb. 15c; 10 lbs. \$1.25.

Black Mexican. One of the sweetest and most desirable for family use. When dry, the kernels are black. The corn, when in condition for the table, cooks remarkably white and is very tender. It is especially rich in sugary qualities. A good yielder. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Country Gentleman. This is one of the newer varieties that has proven itself worth planting. The ears are from eight to nine inches long and from three to four of them are borne on a stalk. The plant is six feet high and medium early. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.



Early Minnesota.



Stowell's Evergreen. Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy and productive, and the best late variety for general use. Also very tender and sugary. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

FIELD VARIETIES.

King Philip. A very early variety for field corn. Ears ten to twelve inches long, eight-rowed, large reddish kernels. 1 lb. 10c; 10 lbs 90c.

Early Canada (Flint). Also known as the Yellow Flint. A rapid-growing early yellow kind, and, on this account, used much for replanting. Superior where the seasons are short. 1 lb. 10c; 10 lbs. 90c.

Early White Flint. A variety much used for making hominy. Productive, early, and of beautiful appearance. 1 lb. 10c, 10 lbs. 90c.

Pride of the North. A very early Dent variety, ripening with the Flint sorts, and can be grown as far north as any other variety of Dent corn. Stalks small with broad leaves. Ears short, twelve to sixteen-rowed, well filled. Grain long, yellow, making an extra quality of meal. 1 lb. 10c; 10 lbs. 90c.

Leaming (early). An early selected variety of Yellow Corn, small grain, weighty, productive. 1 lb. 10c; 10 lbs, 90c.

Champion White Pearl. A large, white, late Dent variety, pearly white kernels. 1lb. 10c; 10 lbs. 80c.

Southern Fodder Corn. Best for green feed. 1 lb. 10c; 10 lbs. 80c.

Pop Corn. Small white. 1 lb. 15c.

Pop Corn. Rice. 1 lb. 15c.

BROOM CORN.

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

Improved Evergreen. An improvement on the Common Evergreen. The result of many years' careful selection. Does not grow as tall as the old variety. The brush is fine and of a light green tint. Pkt. 5c; 1 lb. 25c; 10 lbs. \$1.00.

CUCUMBER.

One ounce of seed to 75 hills

For very early Cucumbers, sow a few seeds in a hot bed upon pieces of sod (grass side down) so that they can be readily removed to transplant in the open ground. For general crop, sow as soon as all danger of frost is over. They succeed best in a warm, moist, rich loamy soil. Continue planting at intervals for a succession, in hills about four feet apart each way. The hills should be previously prepared with a shovelful of well-rotted manure. Thin out to four of the strongest plants to each hill. The Cucumber should be gathered when large enough for use, whether required or not. If left to ripen it destroys the productiveness. For pickles, plant from June until the middle of July.

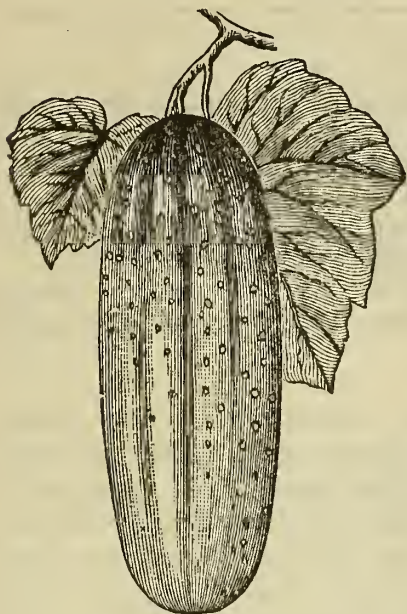
Cool and Crisp. One of the newer varieties. The fruit is long, dark green, with white spines. The flesh is crisp and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Russian. The earliest and hardiest productive variety. The fruit is of small size and produced in pairs. Pkt. 5c; 1 oz. 10c. $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Early Frame or Short Green. A good old popular variety, of medium size, straight and excellent for table use or pickling when young. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Early Frame



Peerless White Spine.

Early Cluster. A productive early kind. The fruit which is not large, is borne in clusters, and is crisp and of good flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Peerless White Spine. Even in shape at both ends and uniform in size and color. In demand for pickling; also a fine market and table sort. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

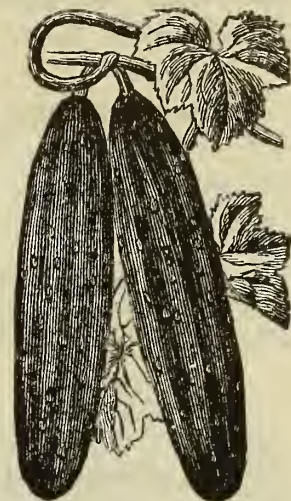
Boston Pickling. The best short pickling variety, of fine form and flavor; enormously productive; crisp and tender; Largely used by the pickle factories in this section. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Chicago, or Westerfield Pickling. A decided favorite with Chicago market gardeners. Fruit of medium length, pointed at both ends, with large and prominent spines. Color deep green. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Long Green. The leading long green variety for pickling; of excellent quality and productiveness; fruit dark green, firm and crisp; one of the best for slicing green. It can be gathered at any size, while young, for pickles. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Small Gherkin or Burr. Also known as the West India, or Jerusalem Pickle; used for pickling while young and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c.

Japanese Climbing. The vines are healthy and vigorous and their strong tendrils enable them to climb poles or fences. Quality excellent either for pickling or slicing. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c.



Long Green.

CRESS OR PEPPER CRESS.

Curled. The best variety. Upland. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c.

Water. Should be sown near the edge of running streams, It has a very pleasant and agreeable taste. Perennial aquatic plant. Pkt. 5c; 1 oz. 50c,

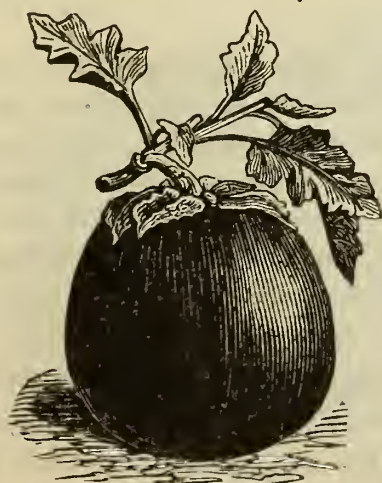
ECC PLANT.

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.

Early Long Purple. Fruit rather long, usually largest at the blossom end; a hardy kind, productive and of good quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c 1 lb. \$2.00.

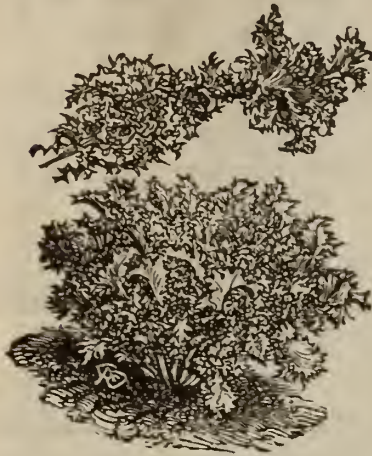
New York Improved, Large Purple. The leading market variety. Large, round, dark, excellent, and the most productive. Pkt. 5c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Black Pekin. Oval round, of medium size, very dark, glossy and handsome. Flesh, delicate. Prized for the family garden. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.



New York Improved.

ENDIVE.



Endive.

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

Green Curled. Standard sort for fall and winter. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.35.

White Curled. For early use. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.40.

Broad Leaved Batavian. (*Escarolle.*) Has broad, thick leaves, which form a large, loose head. Fine for soups and stews. If blanched by tying the outer leaves together, it makes an excellent table salad. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.35.

KALE OR BORECOLE.

While this vegetable may be grown in almost any soil, yet the richer the soil the larger the crop. Not desirable until touched by frost. Sow about the latter part of April and transplant in June. Cultivate the same as cabbage.

Dwarf Green Curled Scotch. Very dwarf and spreading. Best strain. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Tall Scotch Curled. Bright green, spreading and beautifully curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Siberian. (German Greens.) A variety extensively grown for winter greens. It is uniformly dwarf, green curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Tall Scotch.

KOHL RABI.

A vegetable intermediate between the cabbage and turnip. Sow in spring in rows twenty-four inches apart, afterwards thinning the plants to eight or ten inches. When the thickened stem above ground is two or three inches through, they are fit to eat and should be used at once, being tough when old. They are cooked same as turnips.



Kohl Rabi.

Early White Vienna. Handsome and delicate white bulb. Pkt 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.

Early Purple Vienna. Purple ball. A good kind. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.

Mr. W. C. Johnson, of Clark Co., Wn., who has been very successful in growing Kohl Rabi says "Every farmer should cultivate **Kohl Rabi** for Winter green feed for stock. For sheep they are unsurpassed; while fed on them, they will produce more and better wool than when fed on any other green feed. For cows they are equal to Mangels; horses eat them well and when fed on them are nealthy. They are very good for table use until about as large as a goose egg; after they get larger the lower part is fibrous but good for stock.

To harvest, cut off close below the bulb with an adz or sharp mattock. They will keep better than any other vegetable. After October 1st the lower leaves may be stripped off and fed to cows or calves without injury to the bulbs. They are very hardy and if planted on good ground as directed, they will produce 30 to 90 tons per acre. I raised one ton on a row 24 rods long."

LEEK.

The Leek belongs to the onion family. Prized for soups, and is thought for this purpose to be superior to onions. Cultivation similar to that for onions, but hill up about the neck to blanch it.

Large Rouen, or American Flag. A favorite large American market sort. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Monstrous Carenton. Rather larger than the Flag, but very tender and mild on account of its rapid growth. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Large Rouen Leek.

LETTUCE.

Two ounces of seed to 100 yards of row.

Lettuce thrives best in good, rich, moist ground, and is a universal favorite, is almost free from insects and disease, which makes it of easy culture to every one. To grow fine head lettuce for the principle early crop, sow the seed in September in the open ground. Transplant, when large enough, into cold frames, and protect the plants during the winter in the same manner as for early cabbage, then set the plants out early in April; or sow the seeds in hot beds in February or March, and afterward, for early salad, transplant into a sheltered border with a southern exposure. For successive crops, sowings may be made in open ground as early as the spring opens, and continued until July.

Simpson's Early Curled. A leading early market variety. Forms a dense mass of finely-curved and wrinkled leaves that are excellent and tender and do not wilt readily. A good market kind. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Simpson's Black Seeded. A variety of the Curled Simpson, but growing much larger and of excellent quality. One of the best for forcing.

Simpson's. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Early Prize Head. Heads of mammoth size. Remains tender and crisp throughout the season. Very hardy. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Early Tennis-Ball, Black Seeded. Well-formed heads, hardy and crisp, of excellent quality. One of the earliest of the heading varieties. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Tennis Ball.

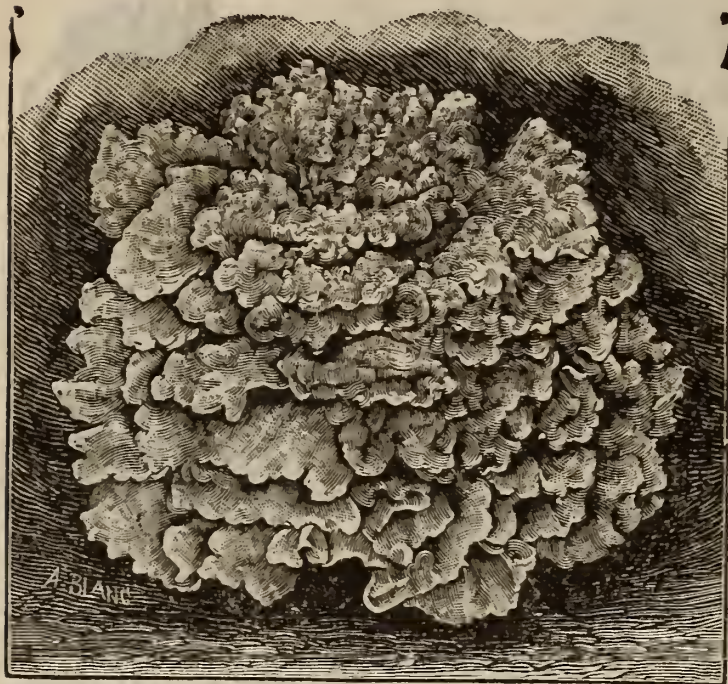
Brown Dutch. Forms a large, solid head, somewhat coarse in appearance, but having the inner leaves well blanched, sweet, tender and of good flavor. Outer leaves tinged with brown. Very hardy. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Hanson's Head.

Tilton's White Star. Forms a large, loose head of excellent quality, which blanches well. The leaves are broader, thicker and darker than the Black Seeded Simpson, and it grows larger and more rapidly. Good for forcing and early planting out doors. Does not run to seed quickly. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Hansen's Head. The leading curled heading variety, of large size, sweet, tender and crisp, even to the outer leaves. Of a beautiful green without the white within. Free from any bitter taste, either for summer or forcing. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Grand Rapids.

Grand Rapids Forcing. Large tender heads; more extensively used for early forcing than any other variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Denver Market. The special characteristic of this sort is that it has a beautiful, curled, savoy-like leaf which gives it a very attractive appearance. It is a drumhead variety of very excellent quality, and extremely early. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

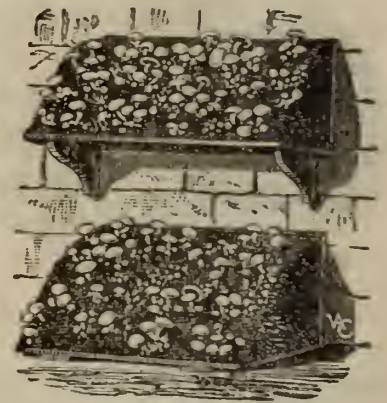
White Paris Cos. A distinct variety, forming oblong, upright heads, largest near the top. It is hardy, tender and crisp, and does not run to seed as quickly as some other Cos varieties, of which it is generally considered the best. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

MUSHROOM SPAWN.

The Mushroom is an edible fungus that does not produce seed, but is propagated from the white fibers resembling roots, that spread from the base of the stool, termed spawn. They are grown in cellars, caves, or wherever a uniform temperature of 60 to 70 degrees can be maintained. Make beds of fermenting manure, which should be large and deep enough to acquire a heat of about 70 degrees. When at the proper temperature, insert bits of spawn at intervals. As soon as signs of growth appear, place two inches of soil over them and cover all with straw. Water is used if necessary, which should be warmed to the temperature of the bed. Mushrooms appear in six or eight weeks, and should be collected when at the proper size for the table.

French. Mushrooms obtained from this spawn are very highly esteemed. In 3-lb. boxes, per box \$1.75.

English. In bricks, 30c. per lb. postpaid; by express, 20c. per lb.



Mushrooms.

MUSTARD.

Used alone as "greens," or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.

White English. Leaves mild, tender when young, and generally preferred for salad. The seed, which is light yellow, is largely used with pickles and in salads. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

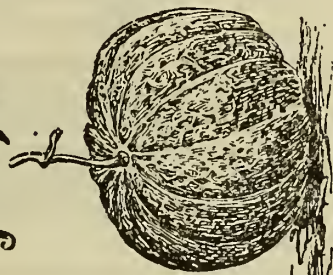
Southern Giant Curled. Very large leaves. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c.

MELON — MUSK.

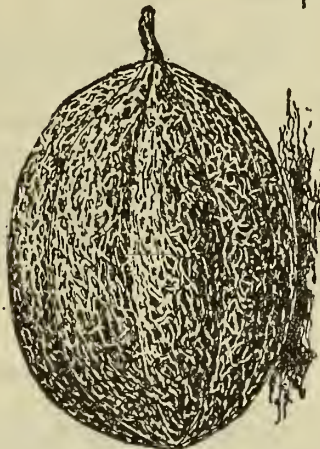
One ounce of seed to 75 hills.

Melons thrive the best in a light, enriched soil. Plant early when danger of frost is past and the ground has become warm and dry, in hills six feet apart each way. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill; then plant ten to twelve seeds. After all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Be careful not to plant pumpkin or squashes near them as they will hybridize.

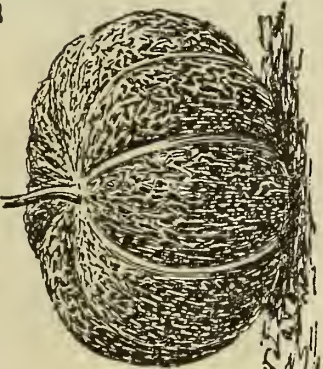
Jenny Lind.



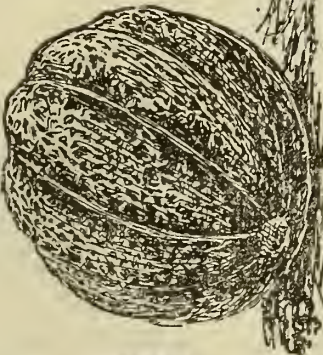
Casaba.



Small Green Nutmeg.



Osage.



Baltimore.



GREEN FLESHED.

Jenny Lind. Small, but very early and of good quality; green flesh. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

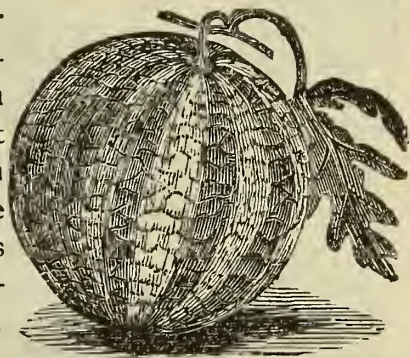
Rocky Ford. Grown largely in Colorado and shipped in car load lots all over the country. Nutmeg shape, small to medium in size, pale green and finely netted. Flesh green, quality very fine, due to the fact that they are grown on 15 feet of virgin soil, with irrigation. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Early Baltimore, or Acme. A good sized, oval round, very desirable variety. The flesh is thick, highly flavored and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Cosmopolitan. A new variety. Flesh green, firm, sweet and uniformly high flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Small Green Nutmeg. From the uniformity in size, it is a very profitable variety for field culture for the market; shaped round, medium size, flattened at each end, heavily netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Extra Early Hackensack. One of the most popular varieties of Musk-melon grown by market gardeners. It attains a large size, is round in shape, and flattened at the ends. Is of a most delicious flavor and wonderfully productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Montreal Nutmeg.

Montreal Nutmeg. Grows to an immense size, flattened at both ends, very thick flesh and rich in flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Skillman's Netted. Very early and of small size; flesh light green, very thick and sweet. Shape varies from oval to round. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 70c.

Casaba. Of extraordinary size and delicious flavor, usual weight from twelve to fifteen pounds. Late, oval and netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

YELLOW FLESHED.

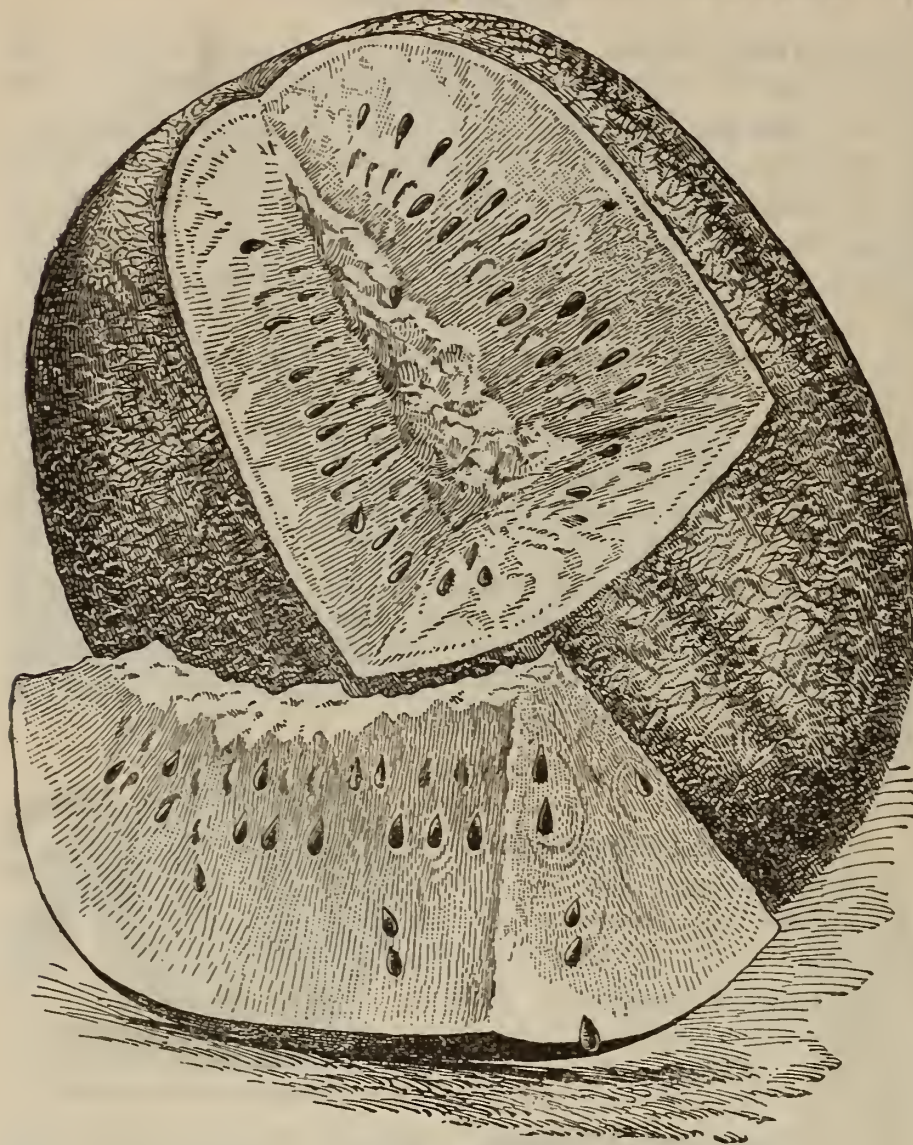
Osage, or Miller's Cream. The finest-flavored melon in cultivation, and the best melon grown for the market gardener, for the trucker, for the farmer, for the small planter. Without question, the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Orange, Christiana. Very large, green skin; yellow flesh, delicious flavor, and is an excellent melon. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Large Yellow Canteloupe. An oval variety, good sized, skin yellow, marbled with green; flesh salmon colored, sweet, highly perfumed and of good flavor; early and productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Emerald Gem. Fruit medium sized, slightly flattened at the ends. Flesh deep salmon yellow highly flavored. One of the leading varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 75c.

Write for Special Prices on Larger Quantities of Melon Seeds.

MELON—WATER.

Sweet Heart.

Black Spanish. A black seeded variety, large, round, very dark green skin; flesh red, sweet and delicious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Dark Icing. A distinct variety, resembling in size and shape the Ice Cream or Peerless, but is lighter in color and faintly mottled. The rind is not thick but rather firm. The flesh is remarkably juicy, sweet and delicious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Light Icing, or Jordan's Gray Monarch. A very large variety, light green in color; flesh light red, tender and sweet. Considered by many the best melon grown. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Kentucky Wonder. Oblong in shape; skin dark green; flesh a beautiful scarlet color, crisp and not tough, rich and sugary flavor, always firm, very solid and never mealy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Cuban Queen.

One ounce of seed to 30 hills.

The water-melon is prized for its refreshing coolness in warm weather, and delicious sweetness. They thrive best in rather sandy soil, well manured, and planted in hills eight feet apart each way. Prepare the hills and treat the same as described for Musk-melons.

Phinney's Early.

Very early, productive, and keeps well; bright red flesh, sweet, tender and well flavored; particularly valuable for market gardeners. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Hungarian Honey.

A very early sort from Hungary. Fine for northern latitudes; perfectly round, flesh brilliant red; seeds very small. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Sweet Heart. Early, large, bright skin. Flesh bright red, firm, solid, but very tender, melting and sweet. A long keeper and splendid shipper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Dark Icing.

Mountain Sweet. A general favorite with melon growers; large, and oblong; dark green; thin rind; flesh red, solid, rich and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Cuban Queen. The flesh is dark red and of excellent flavor. It has a very tough rind, and carries in good condition without breakage. One of the largest varieties grown. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.



Ice Cream.

Ice Cream, or Peerless. White seeded; fruit of medium size, nearly round; color, pale green; thin rind, flesh solid; scarlet, crisp, and of a delicious flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Kolb's Gem. A profitable variety to grow for shipping. Vines of medium size, but remarkably vigorous and healthy. Fruit of the largest size, round or slightly oval marked with irregular mottled stripes of dark and light green in sharp contrast. Outer rind or shell exceedingly hard and firm. Flesh bright red. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit cylindrical, square at the ends, smooth, distinctly striped and mottled light and dark green. Flesh bright scarlet and very sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Citron Red-Seeded. For preserving. Small, round, flesh white and solid. Pkt 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Write for Special Prices on Larger Quantities of Melon Seeds.

MARTYNIA.

A strong growing, hardy annual. Sow in May in the open ground three feet apart each way where the plants are to remain or may be sown in hot-bed and transplanted. Highly prized for pickling; gather the plants when young as they become hard and worthless with age. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

NASTURTIUM.

The Nasturtium is very popular as an ornamental plant and also for the table. The leaves, when young, are used as salad, and also in connection with the flowers for garnishing, and the seed for capers and pickles, for which purpose they should be gathered while green and tender.

Tall Mixed. Mostly used, as they produce the largest seeds. They have also very handsome foliage and beautiful flowers. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c.

For other varieties, see Flower List.

OKRA, OR GUMBO.

Very extensively grown in Southern states. Its long pods when young are used for flavoring soups, stews, etc., and are considered very nutritious. Sow in drills from two to three feet apart, and thin out from nine to twelve inches apart in the row. Two ounces of seed to 100 yards of row.

Improved Dwarf Green. Very early, with long green slender pods. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

White Velvet. The pods are smooth or very slightly ribbed, large, remain tender a long time, and are of the best quality. Pkt 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

25 Cts.'

Worth of Seeds EXTRA will be allowed on each ONE DOLLAR sent for Seeds in PACKETS and OUNCES.

Thus any one sending us \$1.00 can select seeds in PACKETS and OUNCES to the value of 1.25; for \$2.00, seeds in PACKETS and OUNCES to the value of \$2.50; for \$3.00, seeds in PACKETS and OUNCES to the value of \$3.75.

This premium does not apply where any other premium is taken.

OUR SEEDS ARE THE BEST AND OUR PRICES ARE LOW.

ONION.

If ordered by express or freight, deduct 10c. from single pound price.

Sow thinly in drills one foot apart and about one-quarter inch deep, in March or early in April, thinning them to stand three or four inches apart in the drills and keeping them well hoed and free from weeds. For main crop, the Yellow Danvers and Red Wethersfield are usually preferred. They delight in strong, rich, deep, loamy soil. The ground should be deeply dug and heavily manured with well-rotted manure.



Oregon Yellow Danvers. This improved variety is pronounced by all onion growers who have tried it the very best strain of Yellow Danvers in cultivation. It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled. Our seed is grown from selected bulbs by one of the most experienced onion growers in Oregon. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.60.

Yellow Danvers. The old standard variety. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Yellow Globe Danvers. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Extra Early Flat Red. About ten days earlier than the Wethersfield, and somewhat smaller; close grained and heavy; mild flavor; excellent keeper. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Early Large Red Globe. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Large Red Wethersfield. Round, good size and flavor; productive, keeps well. the standard red variety, Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Giant Rocca. Light red, of immense size and globular form. It is of rapid growth, and yields enormously. Flesh mild and sweet. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

White Globe. A handsome, globe-shaped variety. Flesh fine, very white, rich and sweet. A good keeper. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

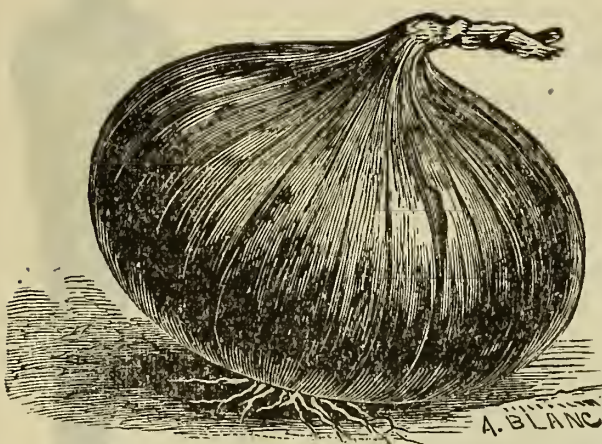
Small Queen. A very nice silver-skinned Tripoli Onion, as remarkable for its keeing qualities as for its rapid growth. Very mild flavored. If sown thickly, they produce small, very firm bulbs, good for pickling. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 80c; 1 lb. \$2.50.

Prize-Taker. An immense, globe-shaped, bright straw colored variety. Probably the largest globe variety known and in quality one of the best. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.00.

Mammoth Silver King. An immense white onion of mild flavor. Very thick through, but inclined to be flat rather than globe-shaped. Very showy and attractive in appearance. Sells well to the fancy trade. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.



Prize-Taker.



Australian Brown.

Australian Brown. A new Onion from Australia, noted for being early and for its good keeping qualities; it is a beautiful yellowish-brown in color and of good size. It is just the thing to market when onions bring the best price. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Extra Early Barletta. A small onion of a pure paper-white color, very mild and delicate in flavor. Valuable for table use and for pickling. Its extreme rapidity of growth will astonish everyone who raises it for the first time. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

White Portugal, or Silver Skin. A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white onion; also grown largely for sets. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 80c; 1 lb. \$2.50.

ONION SETS.

It ordered by mail, add 10c per lb. for postage.

Bottom Onion Sets. Grown from black seed. Plant early in the spring in shallow drills twelve feet apart and four inches apart in the drills, and they will produce small green onions for the table in a short time. If sets are allowed to grow instead of being pulled for early table use, they will make large onions much earlier than they can be obtained from spring planting of seed. Either yellow, red or white. 1 lb. 15c.

Top Onions. These do well either for a small bunch or for large onions. 1 lb 15c.

Multipliers. Grown for the green top; they do not make a first class large onion, 1 lb. 15c.

Shallots. 1 lb. 20c.

Chives. (German *Snittlach*.) A delicate little plant belonging to the onion family, being perfectly hardy and coming quite early in the spring. 20c per bunch, postpaid.

Garlic. The Garlic is the most pungent in taste and has the strongest odor of all the onion family. It is largely used in the south of Europe for flavoring soups, stews, etc. The roots or bulb are composed of many small bulbs. Bulbs per lb. 15c.

Write for prices on large quantities of Onion Sets.

PARSLEY.

Two ounces of seed to 100 yards of row.

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow rich soil. Sow thickly, early in April in rows one foot apart and one half inch deep; thin out the plants to stand six inches apart in the rows. The seed is slow in germinating, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To hasten germination, soak the seed a few hours in warm water, or sprout in damp earth, and sow when they swell or burst. For winter use, protect in a frame.

Champion Moss-Curled or Fern-Leaved. Leaves bright green, beautifully curled and crested, like fern or moss; nothing better for garnishing could be desired. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Triple Curled. A fine, free-growing, but not a large variety. The leaves are bright green, and the plant is very hardy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Hamburg, or Turnip Rooted. A fleshy-rooted kind; the roots used for flavoring soups. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Moss Curled.

PARSNIP.

Three ounces of seed to 100 yards of row.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and one-half inch deep, in a rich, deep, well-manured soil, deeply dug. Cultivate similarly to carrots, and thin out to five inches apart in the rows. The roots improve by remaining in the ground over winter for spring. Valuable for feeding stock as well as for table use.

Large Sugar, or Hollow Crown. The best variety in cultivation; roots long, very smooth, white, tender, sugary and of excellent quality. Pkt. 5c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Improved Guernsey. A greatly improved and wonderfully fine strain of Guernsey Parsnip. The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper. The roots are very smooth, the flesh is fine grained and of most excellent quality.



Parsnip.

PEPPER.

Three ounces of seed to 100 yards of row.

Sow in drills on a warm border, late in spring or commencement of summer, and thin them to stand sixteen to eighteen inches apart; or they may be sown nearly in the season in a hot bed, or flower pot, and transplanted.

Large Bell, or Bull Nose. Early, glossy, red, very large and mild. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

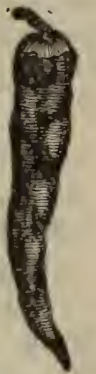


Golden Dawn. Of same shape and size as the Large Bell, but of more delicate flavor. Color, yellow. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Red Cayenne. The variety sold in the market; small and pungent. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Chili. Small; used in pickles and pepper sauce. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Ruby King. Beautiful bright red pods, four to six inches long; very mild. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c.



Cayenne.

Large Bell, or Bull-Nose.

PUMPKIN.

Ground should be rich. Leave only one or two vines in a hill. When the soil and climate are favorable, they are a profitable crop for feeding purposes.



Connecticut.

Connecticut Field, or Large Yellow. A good pumpkin. Grown principally for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

Cushaw, or Crookneck. Large, productive, fleshy and excellent. Color, light cream. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Sweet, or Sugar. Round, not large, but very sweet, an excellent table variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

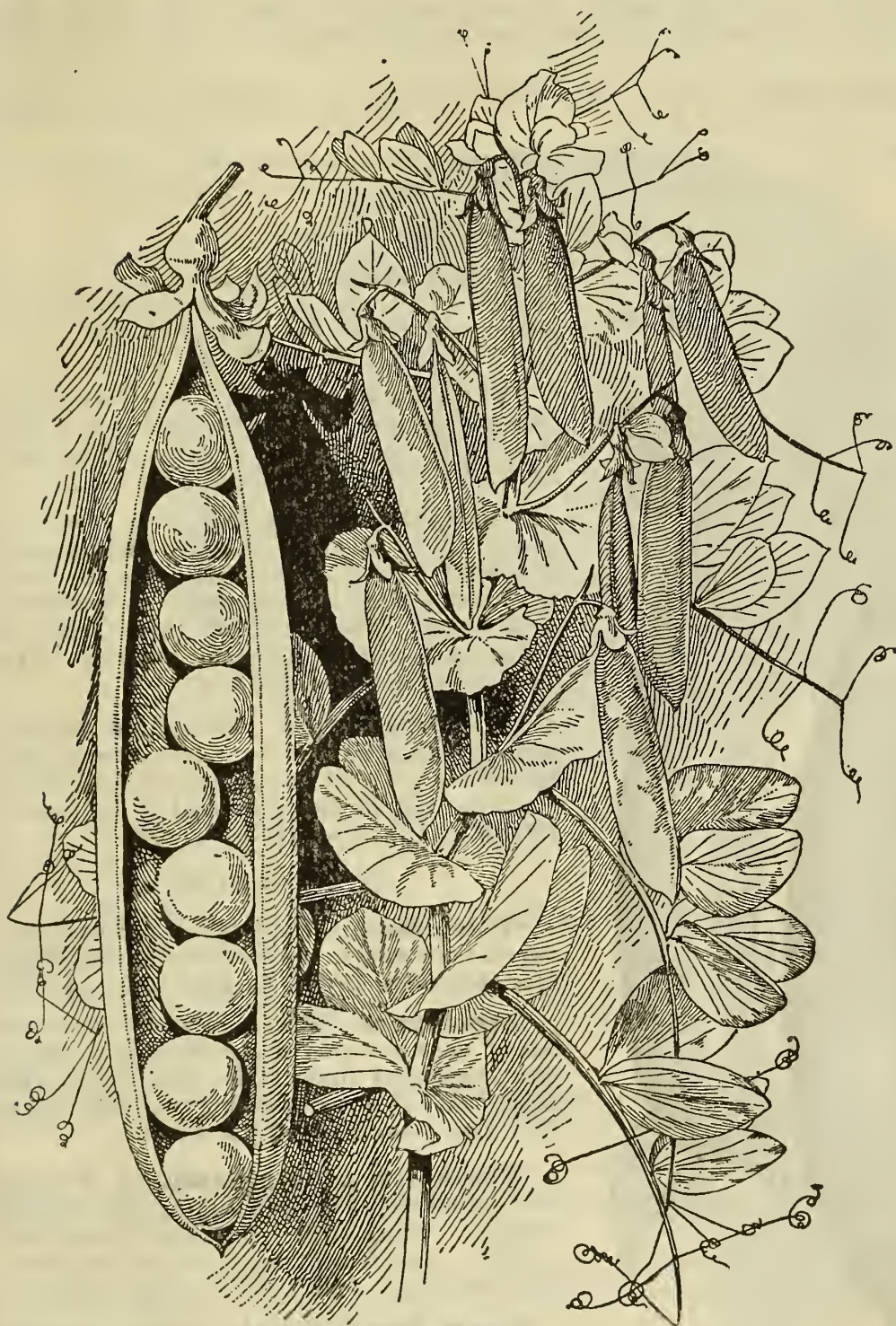
Large Cheese. Large oval shaped, mottled light green and yellow; flesh very thick; sweet and nutritious. More nearly related to the squash than the Large Yellow. Pkt. 5c. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Mammoth Tours. A productive French variety which grows to an enormous size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Winter Luxury. This is an improvement of the old, well-liked Sugar Pumpkin, and is admitted by all who have grown it to be the very best pie pumpkin on the market. Its size is uniformly about nine to ten inches in diameter. In color a beautiful deep orange yellow, with a very close netting, almost as russeted as a potato. It is a good winter keeper and unequaled as a cooking variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

PEAS.

If ordered sent by mail, add 10 cents per lb. for postage
Three quarts of seed to 100 yards of row.



Nott's Excelsior.

Peas mature earliest in a light, rich soil. For general crop, a rich deep loam is the best. They thrive better if the ground has been manured for a previous crop; but if the ground is poor and requires manuring, take well decomposed manure. When grown in gardens they are sown in double rows, six to eight inches apart, the tall ones requiring brush which is stuck in between the rows. Commence sowing the extra early varieties as early as the ground can be worked in February or March, continuing for a succession every two weeks until June, then discontinuing until the middle of August, when a good crop may be secured by sowing the extra early and early sort for fall use. The wrinkled varieties are not as hardy as the small, hard sorts, and if planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. The dwarf varieties

are best suited from their dwarf habit, for small gardens, or for forcing, and can be planted in rows one foot apart.

EARLY VARIETIES.

* **Nott's Excelsior.** A splendid variety. Perhaps the most valuable of all the dwarf early wrinkled peas. Unsurpassed in earliness, yield and quality. It grows about one-half as tall again as the American Wonder and is much more productive; of vigorous growth. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Alaska. Extra early, and very uniform in growth. The dark green color of the pods makes it very desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it one of the most desirable extra early peas for market gardening; height, two feet. Pkt. 10c; 1 lb. 20c; 10 \$1.00.

—Varieties marked (*) are wrinkled.

First and Best. Very early. One of the very best for market gardeners, as the whole crop ripens in a few days, so that the ground may be cleared and another crop planted. About forty-five days is the average from planting until the crop is ready for market. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50

***American Wonder.** One of the earliest and most productive dwarf wrinkled peas in cultivation; requires no brush and is of most exquisite flavor. The vines grow eight or more inches high, according to the soil and season. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

***McLean's Little Gem.** A very early dwarf pea; green, wrinkled and very delicious. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

***Premium Gem.** One of the earliest dwarf green wrinkled varieties. Prolific and of excellent quality. Similar to the Little Gem. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

SECOND EARLY VARIETIES.

***McLean's Advancer.** Comes in next after the Gems. Used extensively by canners. Height two and a half feet. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

***Veitch's Perfection.** Large, wrinkled, popular and very productive; needs no sticks. Best variety for general crop in family garden. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

***Bliss's Everbearing.** A cross between the Little Gem and the Champion of England; height about two feet; pods long, peas very large, unsurpassed in sweetness and flavor. The value of this variety is found in its long continued bearing. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

***Yorkshire Hero.** One of the largest, sweet, wrinkled kinds; vines strong and spreading, pods of good size and well filled, medium late, height two and a half feet. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

LATE VARIETIES.

***Telephone.** Peas large, wrinkled, very sweet; pods enormous and well filled; height four feet. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

***Stratagem.** Select. Vines not large but of vigorous growth, producing a heavy crop; beautiful long pods, well filled with large peas of good quality; two feet high. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

***Champion of England.** A leading late, sweet wrinkled pea among the tall varieties. Vines large, luxuriant and very prolific. For family use it has no superior; five feet. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Dwarf Sugar Edible Podded—Gray Seeded. One of the best edible podded kinds. Early; peas large, tender and very sweet. Pkt. 10c; 1 lb. 15c.



Stratagem.

Black-Eyed Marrowfat. A good Marrowfat pea; yields heavy; height three feet. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Melting Sugar. It grows to the height of five feet, bears a profusion of large, broad pods. Pkt. 10c; 1 lb. 20c.

FIELD VARIETIES.

Small White. Standard sort, 1 lb. 10c; 100 lbs. market price.

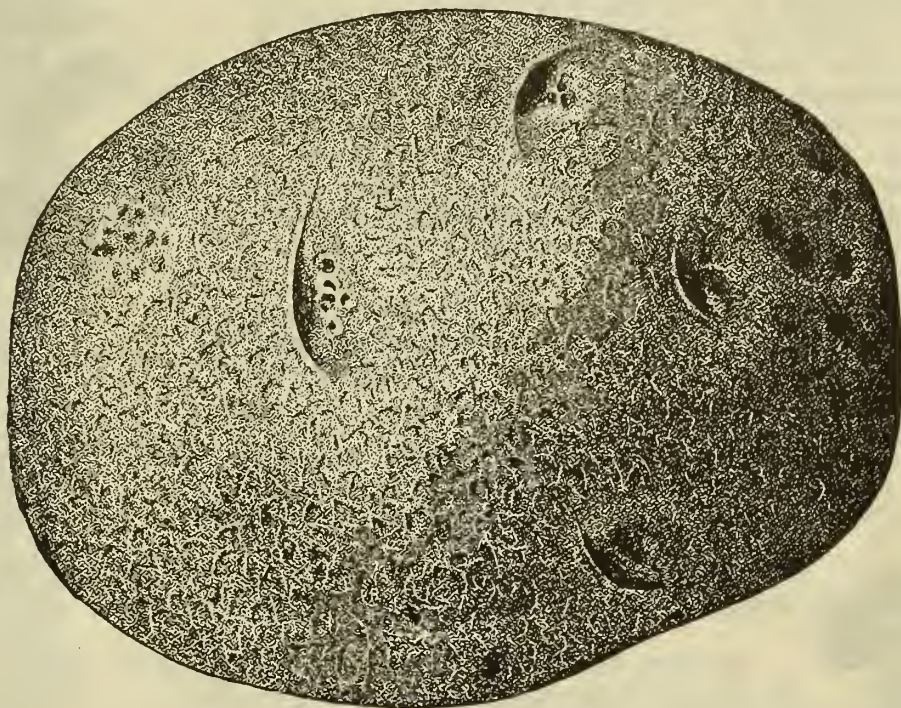
Blue Prussian. Blue Pea. 1 lb. 10c; 100 lbs. market price.

Swiss. Three-cornered white pea. Good for cooking. 1 lb. 10c; 10 lbs. 60c.

—Varieties marked (*) are wrinkled

POTATO.

The soil best suited to the potato is that of a rich sandy loam, but it seems to thrive in almost any soil or climate, not requiring heavily-manured ground to insure a crop. In heavy soils and if heavily manured, it is more liable to disease than in naturally good, light soil. Plant as early in the spring as the ground can be worked, and, if you wish a healthy, vigorous growth and a crop free from rot, in hills or rows three feet apart and one foot apart in the rows. In warm, light soil, cover about four inches, and in cold wet ground, three inches deep. Cultivate to keep down the weeds, and draw the earth to the plants as they advance in growth.



Charles Downing. An early, flat round potato, with shallow eyes. Short vines. It is a good yielder, and one of the best new varieties. By mail, 1 lb. 20c; 3 lbs. 50c; by express or freight, 1 bu. \$2.25.

Sir Walter Raleigh. A very fine Potato. By mail, 1 lb. 20c; 3 lbs. 50c; by express or freight, 1 bu. \$2.00.

Burpee's Extra Early. Earlier than Early Rose. Uniform in size, oblong in shape, and smooth. Flesh is pure white. By mail, 1 lb. 20c; 3 lbs. 50c; by express or freight, 1 bu. \$2.00.

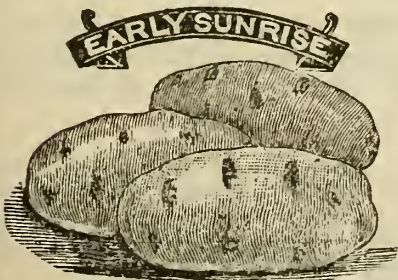
Briggs Extra Early—Originated in Oregon. Very early. Large, smooth, fine quality; flesh white. By mail, 1 lb. 20c; 3 lbs. 50c; by express or freight, 1 bu. \$1.50.

The Bovee. A recent introduction, which is unsurpassed in earliness, yield and good quality. A very heavy cropper. By mail, 1 lb. 25c; 3 lbs. 60c; by express or freight, 10 lbs. \$1.00; 1 bu. \$4.50.

Peerless. Large size, very productive good quality, white skin and flesh. Excellent for general crop. By mail, 1 lb. 20c; by express or freight, 1 bu. \$1.25.

Freeman. A potato of great merit. Eyes very small. A large cropper. By mail, 1 lb. 20c; 3 lbs. 40c; by express or freight, 1 bu. \$1.30.

Early Sunrise, Early Beauty of Hebron, and Early Rose. Either, by mail, 1 lb. 15c; by freight, per bu. \$1.00.



Carman, No. 1. A very fine second early variety. By mail, 1 lb. 20c; 3 lbs. 40c; by express or freight, 1 bu. \$1.20.

Rural New Yorker No. 2. A splendid medium early potato; eyes very few and shallow; skin and flesh pure white; splendid table variety and immense yielder. By mail, 1 lb. 20c; by freight, 1 bu. \$1.20.

Write for prices on larger quantities.

RADISH.

Six ounces of seed to 100 yards of row.

Radishes thrive the best in a light, rich, mellow soil. Heavy or clay soils not only delay their growth, but produce a crop much inferior in appearance and flavor. Sow the early varieties for very early use, in sheltered borders as soon as the ground can be worked, in well-manured, deeply dug and finely-raked soil. If not well stimulated into a rapid growth, they become fibrous and tough. Sow in drills ten inches apart and thin to two inches in the rows, and sow at intervals of two or three weeks until September for a succession. The winter varieties should be sown in July and August. Like the turnip they make their best growth in the autumn, and remain crisp all winter. Before using, put in cold water, which adds to their freshness.

Scarlet Turnip White Tipped. Similar to the Scarlet Turnip-rooted, only that the under side of the bulb and tap-root is white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Scarlet Turnip. A small, round, scarlet, turnip-shaped, small-topped variety, of quick growth, mild and crisp when young. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Scarlet Turnip, Tipped.
White.

Early White Turnip. Similar to Scarlet Turnip, except incolor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Golden Globe, or Summer. Shape, globular; color amber; the flavor, mild; keeping long in eating condition. Twenty-five days to maturity. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 65c.

Half-Long Deep Scarlet. A handsome variety resembling somewhat the Olive-Shaped, but of a deeper scarlet. Good for forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Chartier. Of rapid growth. Soon ready for the table, remaining crisp and tender until fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



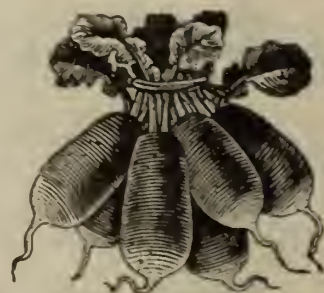
Improved Chartier.

Lady Finger, or White Vienna. Crisp and tender in summer. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

Early Long Scarlet Short-Top. The standard family and market gardeners' variety; long, bright scarlet, with small top. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early Long, Brightest Scarlet. A long radish. Color, strikingly bright scarlet, general appearance very attractive. Extra early; flesh very tender. Valuable for forcing on open ground. Pkt. 5c; 1 oz. 10c, $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

French Breakfast. Oblong shaped, rapid growth, very mild and tender; of a beautiful scarlet tipped with white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



French Breakfast.

White Stuttgart. Root large, often four inches in diameter, top shaped, skin white. Flesh white and crisp, and not becoming strong or pithy until very late, so that those not used as a summer radish can be stored for winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

White Strasburg. A very desirable summer variety. Both flesh and skin pure white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

TRY SLUG SHOT FOR BUGS.

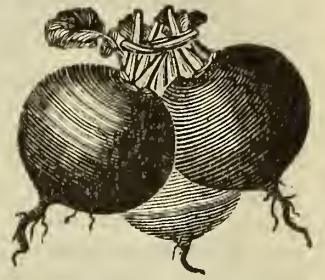
WINTER VARIETIES.

China Rose Winter. One of the best winter varieties. A general favorite. Flesh white, firm and of superior quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Round Black Spanish. A fine globe-shaped winter radish, very popular with the Germans, and known as *Rettig*; good quality and flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

Long Black Spanish. A large winter variety, one of the hardiest, with dark green leaves; firm in texture, keeping until spring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

California Mammoth White. A winter variety, white fleshed, firm and of excellent quality. It is the largest radish grown. Called by some the Mammoth Russian. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Round Black Spanish.



Victoria.

RHUBARB, OR PIE PLANT.

Four ounces of seed to 100 yards of row.

Cultivated in the garden for pies and sauce. No market gardener or family should be without it. May be propagated from seeds, but is usually grown from roots. The soil should be deep and rich—the richer the soil the better.

Linnaeus. The earliest. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c, 1 lb. \$1.50.

Victoria. Very large; finest cooking variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

For Rhubarb Roots see Garden Roots.

SUNFLOWER.

The sunflower is now in larger demand than ever before. Its uses are varied. The leaves are good for stock, the seed for poultry and the manufacture of oil. Cultivate the same as corn. The double varieties are cultivated as flowers. See Flower List.

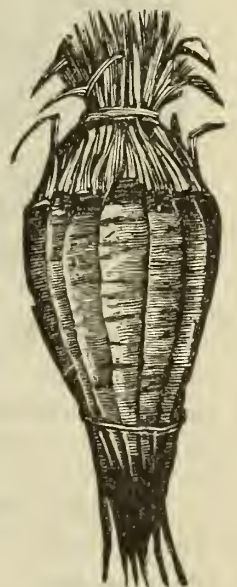
Mammoth Russian. The largest and most productive variety. $\frac{1}{4}$ lb. 10c; 1 lb. 20c. By express or freight, purchaser paying charges, 1 lb. 10c; 10 lbs. 80c.

SALSIFY, OR VEGETABLE OYSTER.

Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts to grow. Succeeds best in a light, well enriched mellow soil, dug two spades deep. Sow early in the spring in drills fifteen inches apart, in rows one inch deep. Thin out to six inches apart, keeping clear of weeds.

Long White. The favorite market variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.10.

Mammoth Sandwich Island. A very fine variety; growing nearly twice the size of the old sort. This is taking the lead in the market and we recommend its use. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.



Salsify.

SUGAR-CANE.

Cultivate the same as corn. It is surprising that more attention is not paid to growing sugar-cane, as it affords one of the most prolific and profitable crops for stock feeding known.

Early Amber. Early and rapid growth. Pkt. 5c; $\frac{1}{4}$ lb. 10c; 1 lb. 25c.

SPINACH.

Four ounces of Seed to 100 yards of row.

This is an important gardeners' crop, of easy culture. For spring and summer use, sow either broadcast or in drills one foot apart and one inch deep, as early as the ground can be worked and every two weeks for a succession. As it grows, thin out for use, keeping it clear from weeds. For winter and early spring use, sow in September, in well manured ground. Cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves.

Bloomsdale. A very early variety. Is hardy and may be planted for early spring use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Long Standing. An improved variety, slow in going to seed, and perhaps the best for general use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Round Summer. The leaves of this variety are unusually thick, fleshy and tender. It is also hardy and may be sown as soon as the ground can be thoroughly prepared. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Prickly Seed, or Fall. The hardiest variety having smaller leaves but not so productive as the Round leaved. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Monstrous Viroflay. This variety produces the largest leaves of any, yielding an enormous crop. Excellent for the family or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Long Standing.

SQUASH.

If ordered by express or freight, deduct 10c. from single-pound price.

Three ounces of seed to 100 yards of row.

A very tender plant, of rapid and luxuriant growth; will not stand any frosts or cold nights and should be planted in a rich, warm, light soil, after the weather has become settled and warm. Plant in well manured hills in the same manner as cucumbers and melons, the bush varieties three or four feet apart each way, and the running varieties from six to eight feet apart.

SUMMER VARIETIES.

Early White Scallop Bush The earliest variety for market or shipping. It grows to a large size, scalloped like a patty-pan, and bearing an abundant crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Mammoth White Bush, Scalloped. An improvement on the preceding in point of size, being twelve to fifteen inches across; very productive and uniform in growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



White Scallop Bush.

Early Mammoth Summer Crook-Neck. Twice the size of the ordinary Summer Crook-Neck; also earlier and more warty; a decided advance on the old kind. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Early Yellow Bush Scallop. An early, flat scallop shaped variety; color yellow; flesh pale yellow and well flavored; very productive; used when young and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.



Early Summer Crook-Neck.

Poultry raisers should consider our list of Poultry Supplies.

LATE VARIETIES.

Orange Marrow. An improved Boston Marrow. Quite distinct, very early, and of most delicate flavor; suitable for fall and winter. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Hubbard. The standard winter squash, best known. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Marblehead. A variety about as large as the Hubbard, having a very hard rind, of a bluish tint; flesh deep orange colored; very dry and sweet. It is also one of the best keepers. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Hubbard Squash.

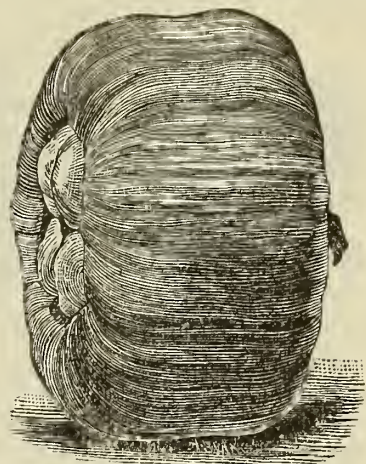
Mammoth Chili. This is the largest variety known, and in rich soil has attained a weight of two hundred pounds. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Essex Hybrid, or American Turban. A good fall and winter variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Fordhook. One of the best winter squashes; fine quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

English Vegetable Marrow. White flesh; outside yellow; grows about nine inches long; ribbed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Sibley. Shell smooth, thin, and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



American Turban.

TOMATO.

One ounce of seed to 100 yards of row.

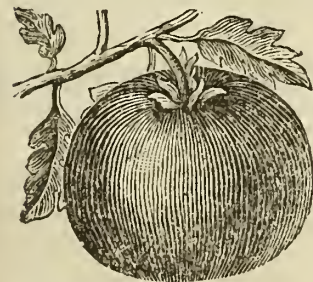
The value of the tomato as a table vegetable can hardly be over-estimated. For early crop, so as soon as desired in hot-beds. When two inches high, transplant in the beds to four or five inches apart each way, to give the plants room and make them bushy, always keeping them well aired. If they crowd each other before time to transplant, root-prune by drawing a sharp knife deeply between the plants. When danger of frost is past, transplant to rich loose soil, keeping well watered and cultivated.

Atlantic Prize, Extra Early. An early variety, of good size and smooth surface. Many objections to the usual early kinds, such as under size and deeply corrugated, rough skin, are overcome in this tomato. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Early Michigan. A very smooth, perfectly shaped tomato, solid and without core. A strong grower and heavy cropper. Early. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Acme. One of the earliest; is of a strong and vigorous growth, very productive; fruit of a medium size. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Livingston's Perfection. One of the best medium early kinds; round, uniformly smooth; vines very productive; fruit deep scarlet, firm and of excellent quality. Vines continue long in bearing. Sow this variety for main crop. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Livingston's Perfection.

Livingston's Beauty. For shipping and early market it cannot be excelled on account of solidity and toughness of skin. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Use Our Vegetable Fertilizer in Your Vegetable Garden.

Livingston's Favorite. One of the best for general crop; vines vigorous, continuing in bearing all season; fruit very large, uniformly smooth, firm, without hard core; ripens medium early; holds its size well till frost; is very fleshy, with few seeds. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Royal Red. Vines stronger and more vigorous than the Favorite; fruit larger, brighter, deeper red and fully as good in quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$2.00.

Ignotum. A very large tomato of fine grain, good flavor and without hard core. Fruit red, smooth and solid. Very productive. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

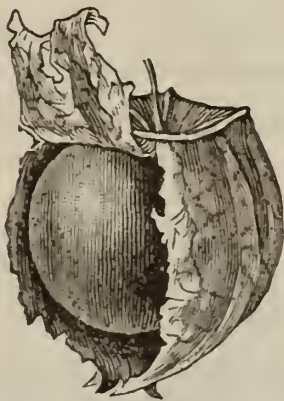
New Imperial. This fine new tomato is very early, large, quite fleshy and free from any hard core. The fruits are red, smooth and of fine form. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

Fordhook First. A very early, large, smooth tomato of good form and yield. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Optimus. A second early kind; uniform in size; color bright red; smooth and handsome. One of the very best for this climate. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Dwarf Champion. Quite distinct in foliage and habit of growth, being compact and upright, fruits early, and resembles the Acme in appearance. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

New Stone. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.25.



Ground Cherry.

Golden Queen. Very handsome; flesh, yellow, rich, and of superior quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Yellow Plum-shaped Tomato. Fruit a little larger than the Pear-shaped; of even plum shape; skin and flesh clear, deep yellow color; very popular for preserving. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 85c; 1 lb. \$2.75.

Husk Tomato or Ground Cherry. Fine for sauce, preserves, and for eating fresh. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 85c; 1 lb. \$2.75.

For Plants, see under heading Vegetable Plants.

TOBACCO.

Connecticut Seed Leaf. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Havana. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

TRY GROESBECK'S EGG FOOD.

IT WILL MAKE MONEY FOR YOU.

TURNIP.

Three ounces of Seed to 100 yards of row.

The turnip delights in a light, rich, sandy loam which has been well manured. For early use, sow the early varieties as soon as the ground opens in the spring, in drills from twelve to fifteen inches apart. Thin out to from six to nine inches in the rows. Or, if sown broadcast they will produce a fine crop, but not as large as if sown in drills. Keep the ground well stirred and free of weeds. For a succession, continue to sow every two weeks until June, then discontinue until the middle of July. For a fall and winter crop, sow on potato ground, making your last sowing not later than the first of September.

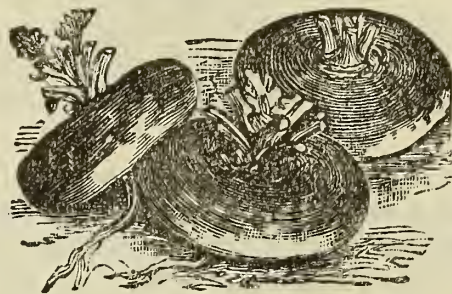
WHITE-FLESHED KINDS.

Extra Early Purple-Top Milan. The earliest variety of turnip. Top small, erect, strap-leaved; bulb very flat, a deep purple above, white underneath; flesh white, firm and delicate. An excellent keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Extra Early White Milan. As early as the above and a beautiful pure white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Early Red-Top Strap Leaved. One of the best; flat and good size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early White Flat Dutch. A leading white-fleshed variety and one of the best, either for the family, market garden or field crop. It is of medium size and produces a large crop. The flesh is firm but tender, and of a superior rich, buttery flavor. A good keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

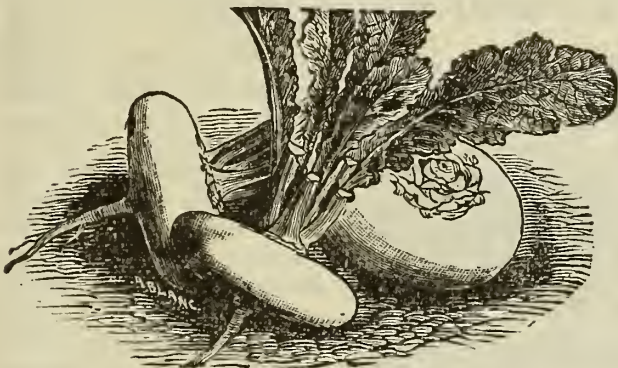


Early Red-Top, Strap-Leaved.

White Egg. An entirely distinct variety. It belongs to the class of quick-growing fall turnips. Of extra fine flavor and texture. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60.

Purple Top White Globe. A large globe shaped variety, purple above ground. It is handsome and of excellent quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c;

White Norfolk. A large-growing round, flat-shaped variety; coarse-grained and sweet. One of the best early for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Early Flat White Dutch.

Pomerian White Globe. This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. It is of perfect globe shape, skin white and smooth, leaves dark green and of strong growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Seven Top. A variety cultivated for its large tops, which are excellent for greens. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Cow Horn, or Long White. A distinct variety, having a long, slightly-curved root, somewhat resembling a carrot. It is white with a green tinge near the top; growing partly above the ground; flesh tender, sweet and of fine quality. Can be sown early for fall and winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

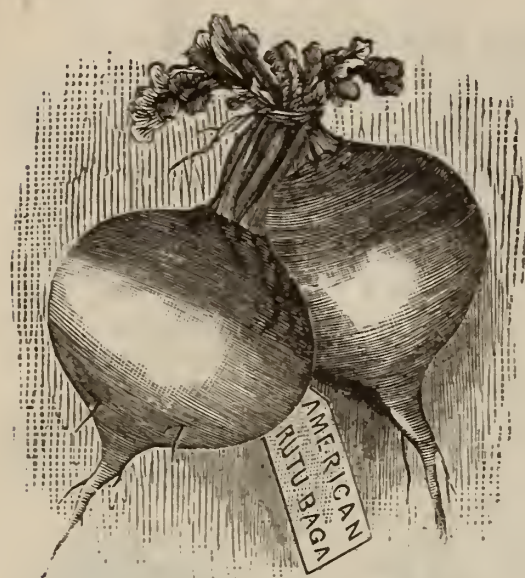
Sweet German. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

YELLOW-FLESHED VARIETIES.

Yellow or Amber Globe. This variety is handsome and grows to a large size. Color, pale yellow. One of the best for general crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Golden Ball, or Orange Jelly. It forms a bulb, having a beautiful bright-yellow rind and cream-colored flesh; rich, pulpy, and excellent for culinary use, as well as for stock. Its keeping qualities are unrivaled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Yellow Aberdeen. Bulb globular, reddish purple and deep yellow below; solid and hardy. Generally grown for farming purposes. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



American Ruta-Baga.

RUTA-BAGA, OR SWEDES.

The Ruta-baga, or Swedish varieties, are grown principally for feeding stock, and are also excellent for the table early in the spring. Sow in drills two feet apart, from the middle of June until the first of August.

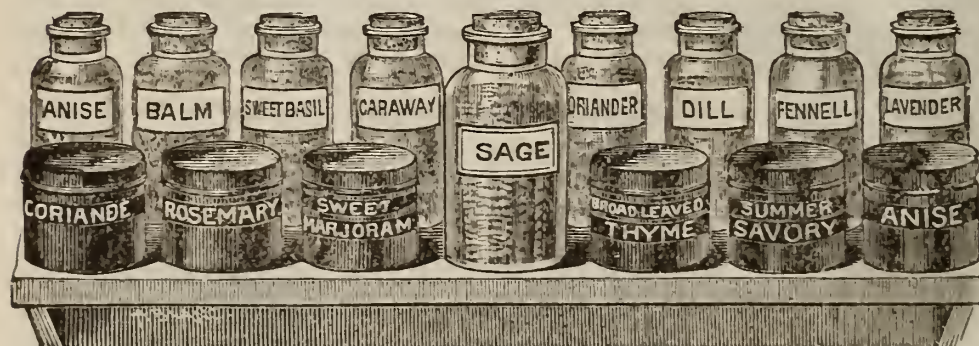
Improved American Purple Top. This variety is largely grown, both for table use and stock feeding. Flesh solid, fine quality, keeps well. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

Skirving's Purple Top. This is a first-rate variety, hardy and productive; flesh yellow, of solid texture; grows to a large size; a very popular sort for market and field culture. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

Monarch, or Tankard. Color purplish-crimson above ground, yellow below. The flesh is of the best quality. The roots grow much above ground, making them easy to harvest. Produces an immense crop. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

White Russian. Large, white and solid. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

HERB SEEDS—POT, SWEET AND MEDICINAL.



Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow the seeds early in the spring in shallow drills one foot apart;

when up a few inches thin out to proper distances, or transplant. Care should be taken to harvest them properly. This should be done on a dry day, just before they come into full blossom; dry quickly in the shade and pack closely in dry boxes or vessels, so as to entirely exclude the air from the herb. We offer some of the most useful and popular.

Anise. *Pimpinella anisum*. For garnishing and seasoning. The seeds are also used medicinally. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

***Balm.** *Melissa Officinalis*. A fragrant, lemon-scented herb, used for making Balm tea or Balm wine. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 80c.

Basil, Sweet. *Ocimum Basilicum*. The leaves and top shoots are useful for seasoning soups, stews and sauces. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Borage. *Borago officinalis*. Leaves used for flavoring, and flowers furnish bee pasture; most easily grown in any waste place. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

***Caraway.** *Carum carvi*. Cultivated for the seed, which is used extensively in cakes and confectionery. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

***Catnip.** *Nepeta Cataira*. A mild nervine, excellent for children. For winter use, remove the plant by the roots and dry as other herbs. Pkt. 5c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Coriander. *Coriandrum sativum*. The seed is used medicinally, in confectionery, etc. Leaves are used for garnishing. Harvest the seed when perfectly dry, and bruise the leaves and break the stems as little as possible. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Dill. *Anethum graveolens.* Hardy annual; seeds aromatic, warm and pungent; used medicinally and also for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c 1 lb. 75c.

Fennel, Sweet. *Foeniculum officinale.* Leaves and seeds used for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Horehound. *Marrubium vulgare.* Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

* **Lavender.** *Lavendula vera.* Cultivated for the fragrance of its flowers. Gather when in full bloom and dry quickly. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Marjoram, Sweet. *Origanum marjorana.* A perennial in warm climates. The young shoots and leaves are used for flavoring. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

* **Rosemary.** *Rosemarinus officinalis.* The leaves have a pungent odor and warm, aromatic, bitter taste. The dry leaves lose their strength rapidly. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

* **Rue.** *Ruta graveolens.* Used medicinally. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

Sage, Broad-Leaved. *Salvia officinalis.* Used as a condiment for relishes and for flavoring. A hardy perennial; should have rich soil and thorough cultivation. Cut the young shoots just before blooming, dry quickly in the shade and store carefully. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 70c.

Savory, Summer. *Satureia hortensia.* Cultivated for the young shoots, which are dried and used for flavoring. It is a hardy annual. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

* **Thyme.** *Thymus vulgaris.* A warm, pungent, very aromatic plant, much used for flavoring soups, dressings, etc. It is also a nervine. It can be used either fresh or dried. Plant as early as the ground can be prepared. Pkt. 5c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Wormwood. *Artemesia absinthium.* Used for medicinal purposes. It is also beneficial to poultry and should be planted in poultry grounds. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

VEGETABLE PLANTS.

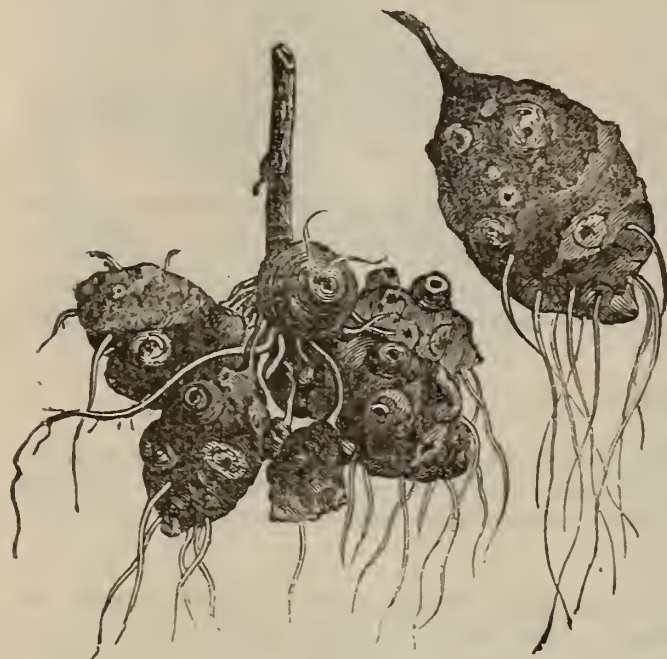
	PER DOZ.	50	100	1000
	Postpaid.		By Express.	
CABBAGE PLANTS.				
Early Jersey Wakefield, best early	15c	50c	\$.50	\$3.50
Early Winnigstadt	15c	50c	.50	3.50
Premium Late Flat Dutch	15c	35c	.40	3.00
Premium Late Drumhead	15c	35c	.40	3.00
CAULIFLOWER PLANTS.				
Early varieties	25c	70c	1.00	7.00
Late varieties	20c	45c	.75	5.00
TOMATO PLANTS.				
Optimus, the best for canning	25c	60c	.85	5.50
Atlantic Prize, earliest tomato grown	25c	60c	.85	5.50
Perfection, for main crop	25c	60c	.85	5.50
Early Michigan	25c	60c	.85	5.50
Dwarf Champion	25c	60c	.85	5.50
CELERY PLANTS.				
Golden Self-Blanching	20c	45c	.65	4.50
White Plume	20c	45c	.65	4.50
Giant Pascal, best late	20c	55c	.65	4.50
SWEET POTATO PLANTS	30c	50c	.85	5.00
PEPPER	25c	60c	1.00	
KALE	20c	60c	.90	6.00

Other varieties furnished if desired. No plants sent C. O. D.

Write for quotations if larger quantities are wanted.

GARDEN ROOTS AND TUBERS.

Transportation charges to be paid by purchaser, except as noted.



Artichokes.

Artichoke, Red Jerusalem. The tubers grow similar to potatoes. They furnish one of the best foods for stock ever put on the market, being very nutritious and healthful. Sow from one hundred and fifty to two hundred pounds per acre. They yield an immense crop. 1 lb. postpaid, 20c; 100 lbs. \$2.50.

Artichoke, White. Flesh white and sweet. This variety produces larger tubers than the red, and a larger crop, and is now taking the lead. 1 lb. postpaid, 20c; 100 lbs. \$2.50.

Asparagus, CONOVER'S COLOSSAL, either variety, 2 year, one doz. postpaid, 50c; 100 \$1.25; 1 year, 100 postpaid, 75c.

Hop Vines. 1 doz. postpaid, 25c; 100 \$1.00.

Horseradish. 1 doz. postpaid, 25c; 100, 75c.

Rhubarb. 1-year, 1 doz. 50c; by mail, 65c.

Rhubarb. 2-year, 1 doz. 75c; by mail, \$1.10.

Write for quotations if larger quantities are wanted.

TREE SEEDS.

Purchaser to pay transportation charges on all quantities above one pound.

Apple Seed. American. For nursery stocks. 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

Apple Seed. French Crab. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Cherry Pits, Mazzard. Cerasus. For nursery stocks. 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

Cherry Pits, Mahaleb. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Peach Pits. For nursery stocks. 1 lb. 20c; 100 lbs. \$1.75.

Pear Seed. Pyrus Communis. The best imported. For nursery stocks. 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

Pear Seed, Native. 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Plum Pits. Prunis myrabolano. For nursery stocks. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Quince Seed. 1 oz. 20c; 2 oz. 30c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.65.

Box Elder, or Ash Leaf Maple. Acer negundo. 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Horse Chestnut, or Buckeye. 1 lb. 35c.

Locust, Yellow or Black. A tree of rapid growth. Sown in our Western states for timber. 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Locust, Honey. 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Write for Prices on large quantities.

GRASS AND CLOVER SEEDS.English Blue Grass or
Meadow Fescue.

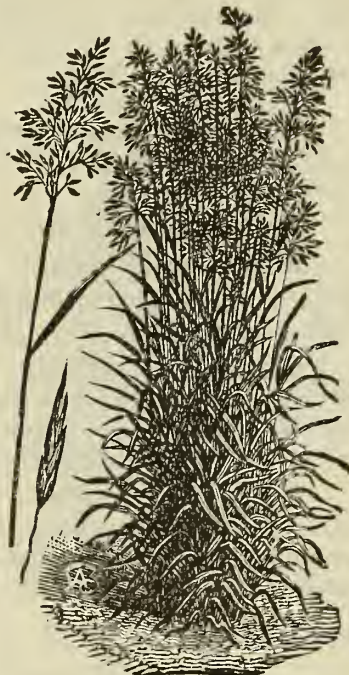
Grass and Clover have become of so much importance to the agriculturist within the last few years that we have deemed it wise to pay special attention to the matter of seeds for the production of these articles. We offer below the standard varieties of **Grasses and Clovers** for this section, and also some varieties which are, as yet, in the experimental stage with the farmers of the Coast. We shall be very glad to give any information which we may have along this line, and if anyone interested does not find such varieties as he wishes in this list, we should be pleased to have him write us, for we should be very glad to procure whatever he may wish, if we can. **Prices** subject to variation, to correspond with the market quotations, will be given on application.

Add 10 cents per pound for postage when ordering by mail.

Blue Grass Canada. *Poa compressa*. Differs from the Kentucky variety in its flattened wiry stem. Because of its creeping root stalks it forms a fine turf; recommended in all pasture mixtures on dry soil, thrives well on clay or hard-trodden and poor soil. 1 lb. 15c; 100 lbs, \$15.00.

Blue Grass English, or Meadow Fescue. *Festuca pratensis*. A perennial variety growing three to four feet high. It roots deep, thus resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures, as it comes early and remains green until late. Valuable to mix with other kinds. Use thirty pounds per acre when sown alone. 1 lb. 15c; 100 lbs. \$12.50.

Blue Grass, Kentucky. *Poa pratensis*. One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during a greater part of the year. It is perennial, and in warm localities where the ground is kept moist and is pastured or frequently cut to prevent the seed from ripening, will continue to grow luxuriantly the entire year. It is also one of the best grasses known for lawns and parks, and, where treated with a dressing of fertilizer every fall, watered well and evenly and cut frequently, will furnish a handsome, velvety lawn for years, requiring no resowing. For pasture, sow forty or fifty pounds to the acre, but to secure a fine lawn, much heavier seeding is required, and not less than ninety pounds should be sown. Fancy Clean, 1 lb. 20c; 100 lbs. Market price.



Bromus Inerimis.

Bromus Inerimis. Awnless Brome Grass—Russian Brome Grass. Valuable for semi-arid lands; good for cutting and feeding in green state, for pasture or hay. Its running roots take a deep and permanent hold upon the land, and it will probably replace, in a large degree, the fast-disappearing Bunch Grasses of Eastern Oregon and Eastern Washington, where it has done well. Sow thirty-five to forty pounds to the acre. 1 lb. 20c; 100 lbs. market price.



Bromus Schraderi.

Bromus Schraderi. Rescue Grass. Also known as Bromus Unoiloides. Thrives in any soil, but prefers that which is wet or moist. In England, four or five green crops are cut in a year, and every time it is cut another crop shoots from the roots. All kinds of stock eat it freely. Thirty pounds to the acre. 1 lb. 30 cts; 100 lbs. \$25.00.

Creeping Bent Grass. *Agrostis stolonifera*. Valuable to mix with other pasture grasses, and it will thrive in moderately moist soil. Best for small grass plats or croquet grounds. For pasture, sow 18 to 36 pounds per acre; for lawns, 36 to 48 pounds. 1 lb. 35c; 100 lbs. market price.

Crested Dog's Tail. *Cynosurus cristatus*
A perennial grass with short, narrow leaves, particularly valuable for lawns or pastures on dry, light land. 1 lb. 40c; 100 lbs. \$35.00.

Floating Fescue. *Festuca fluitans.* A perennial with long creeping roots and preferring a rich muddy or alluvial soil. Found in ditches, along rivers, in marshy places etc. Trout and wild ducks are very fond of the seed and tender shoots. 1 lb. 35c; 100 lbs. market price.

Fescue, Sheep's. *Festuca ovina.* Grows freely in high, dry and open pastures. Its chief merit for sheep pasture is that it occupies land which better grasses refuse; grows from six to ten inches high. Thirty-five pounds to the acre. 1 lb. 25c.

Hungarian Grass. See Millet, Hungarian.

Lawn Grass, Choice. A good, strong-growing grass for lawns that will give satisfaction. Sow one hundred pounds to the acre, twelve to fifteen pounds to an ordinary city lot. 1 lb. 15c; 100 lbs. market price.

Lawn Grass, Fancy. Is composed of the finest and best mixture of neat, compactly growing varieties, producing a fine sward. Sow 100 lbs. to the acre. 1 lb. 25c; 100 lbs. market price.

Meadow Fescue. See Blue Grass, English.

Meadow Foxtail. *Alopecurus pratensis.* One of the very best for permanent pasture. Does well on soil intermediate in moisture and dryness. Stands intense summer heat without burning. Sow 25 lbs. to the acre. 1 lb. 30c; 100 lbs. market price.

Mesquite. *Holcus lanatus.* It is usually sown on virgin soil, without cultivation, after the timber is removed and the ground burned over. It will grow on any loose soil. The seed is light and chaffy, and care must be taken in sowing, the best time being just before rain. Use about thirty-five to forty pounds per acre. 1 lb. 10c; 100 lbs. market price.

Millet, Common. A variety growing from three to four feet high, having rather broad blades and strong stalks. It supplies a valuable hay crop and affords excellent pasturage. It should have rich mellow soil, well prepared. For a seed crop sow fifteen pounds per acre; for hay and pasture use thirty pounds. 1 lb. 7c; 100 lbs. market price.

Millet, German or Golden. *Panicum Germanicum* var. An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the Common and yields a heavier crop of hay. It will grow on any good agricultural land and yields heavily when artificial water, if required, can be applied at the proper time. It yields from forty to sixty bushels of seed per acre. For a crop of seed, sow twelve to fifteen pounds per acre; for hay, twenty-five to thirty pounds. 1 lb. 10c; 100 lbs. market price.

Millet, Hungarian. *Panicum Germanicum.* A dwarf annual Millet. It is finer than the Common and the German Millets, but produces a closer stand and yields almost as much per acre as the taller varieties. The hay being finer is preferred by stock. It will yield well on any light, loose soil. Sow 25 to 30 lbs. per acre. 1 lb. 10c; 100 lbs. market price.

Millet, Pearl or Egyptian. Produces an enormous amount of green feed. It can be cut repeatedly, growing very rapidly after cutting, and is equal to sweet corn for feed. Sow in drills two or three feet apart. Four pounds will sow an acre. 1 lb. 10c; 100 lbs. market price.

Orchard Grass.

Orchard Grass. *Dactylis glomerata.* 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. It stands drought better than most other grasses, keeping green and growing when others are dried up. Sow twenty-five pounds to the acre. 1 lb. 15c; 100 lbs. market price.



Crested Dog's Tail.





English Rye Grass.

Rye Grass, English. *Lolium perenne*. A strong-growing, hardy, perennial grass, noted for its nutritive qualities. It is equally valuable for grazing and hay, and will succeed on any good, tillable land, if well prepared. Also makes a fine lawn, and for large grounds and parks is very successful. Does not require the close care that the Blue Grass does, and will flourish better under trees or in shady locations. For field crop, sow forty or fifty pounds to the acre; for lawns, not less than one hundred pounds. 1 lb. 10c; 100 lbs. market price.

Rye Grass, French. (See Tall Meadow Oat Grass.)

Rye Grass, Italian. *Lolium Italicum*. A perennial variety. One of its chief points of merit is its rapidity of growth. Where the seasons are short, either from limited rains or long, severe winters, this variety is found valuable.

Though a distinct variety, its qualities are similar to the English Perennial, and it will succeed on the same soils. From forty to fifty pounds to the acre should be sown. 1 lb. 10c; 100 lbs. market price.

Red Top. *Agrostis vulgaris*. A good perennial grass. Generally sown on permanent pastures. It succeeds Clover and Timothy when they have died out. Does well on any soil, but best on moist land. Sow twenty pounds to the acre. 1 lb. 10c; 100 lbs. market price.

Rough-Stalked Meadow Grass. *Poa trivialis*. A most valuable grass which flourishes in moist, rich soils and sheltered situations. It is highly nutritive, and horses, oxen and sheep are very partial to it. Twenty pounds to the acre. 1 lb. 30c.

Sweet Vernal. *Anthoxanthum odoratum*. One of the earliest grasses in spring and latest in autumn, and more fragrant than any other grass. Valuable to put in pasture mixtures and Lawn Grass, on account of its earliness and its delightful fragrance when in bloom. Sow about thirty pounds to the acre. TRUE PERENNIAL, 1 lb. 60c; ANNUAL, 1 lb. 20c.



Italian Rye Grass.

Tall Meadow Oat Grass, or French Rye Grass. *Avena elatior*. A valuable grass for permanent pasture; early, luxuriant growth and abundant supply which is relished by cattle early and late; also makes splendid hay. Sow twenty pounds to the acre. 1 lb, 25c; 100 lbs. market price.

Timothy. *Phleum pratense*. As a grass to cut for hay this is unsurpassed. It does best on moist, loamy soils, and is not suited to light lands. 1 lb. 6c; 100 lbs. market price.

Water Meadow Grass. *Poa aquatica*. An excellent and useful pasture grass for very wet places. Sow twenty pounds to the acre. 1 lb. 40c; 100 lbs. market price.

Wood Meadow Grass. *Poa memorialis*. The early growth of this grass in the spring and its remarkably fine, succulent and nutritive herbage recommend it strongly for pasture. Thrives well under close feeding and is very valuable. Thirty pounds to the acre. 1 lb. 35c.



Tall Meadow Oat Grass.

Fowl Meadow Grass, or False Red Top. *Poa serotina*. Yields well when sown on low moist land, and stands longer in condition for cutting than most grasses. It can be mowed almost any time from July to October. When three feet high it falls down, or lodges, and after a little time every joint puts forth new branches. The stalk is always sweet and tender, and cattle and sheep are fond of it. Requires about twenty-five pounds of seed per acre. Sow in spring or fall. Per lb. 40c; 100 lbs. \$28.00.

Red Clover. *Trifolium pratense*. This is the most widely cultivated of all the pasture plants. It loosens the soil and admits the air, and absorbs nitrogen from the air, making it one of the best green fertilizers, as well as a cattle food of the highest merit. Sow twelve pounds to the acre. 1 lb. 11c; 100 lbs. market price.

Mammoth Red Clover. *Tritolium pratense*. Similar to Red Clover, but coarser and taller, and considered of more value for reclaiming and enriching waste lands, as it sustains itself and succeeds sometimes where Red Clover fails. Sow from twelve to fifteen pounds per acre, in time to get the benefit of ample moisture. 1 lb. 12c; 100 lbs. market price.

White Dutch Clover. *Trifolium repens*. A small variety, having a white blossom. It is of a vining nature, spreading rapidly, and will soon cover bare spots if the stand be uneven. It does not attain sufficient height to be profitable for hay, but is superior for pasture either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn mixed with Blue Grass. When sown alone use eight or ten pounds per acre. Harrow the soil until it is very fine before sowing. 1 lb. 20c; 100 lbs. market price.



Scarlet
Clover.

Alsike, or Swedish Clover. *Trifolium hybridum*. Probably a hybrid between the red and white, possessing qualities common to both. Productive, sweet, permanent; extremely valuable both for pasturage and soiling. On low ground it does better than Red Clover. The flowers are a distinct light pink, and afford fine pasturage for bees. Sow ten pounds per acre. 1 lb. 18c; 100 lbs. market price.

Crimson Trefoil, or Scarlet Clover. *Trifolium incarnatum*. Grows about one foot high; dark roots, long leaves and blossoms of deep red. It makes good hay and will give two or three cuttings each season. One of the very best clovers for soiling. Fruit growers are now sowing it quite extensively in their orchards. 1 lb. 12c; 100 lbs. market price.

Alfalfa, or Lucerne Clover. *Medicago sativa*. One of the most valuable of the clovers. It resists the driest weather, and when every blade of grass droops for want of moisture it holds up fresh and green. It is the best variety to use on lands that have to be irrigated. Sow fifteen pounds to the acre. 1 lb. 12c; 100 lbs. market price.



Alfalfa, or Lucerne
Clover.

Espersette Clover, or Sainfoin. *Onobrychia sativa*. A hardy perennial variety. Yields a heavy crop of hay which is easily cured and greatly relished by stock; excellent for pasturage as it remains green until late in the fall and makes a rapid growth early in spring. Has some of the characteristics of Alfalfa. The seeds are large and should be sown thickly—forty or fifty pounds to the acre. 1 lb. 20c; 100 lbs. market price.

FARM SEEDS.

The prices are subject to the market fluctuations. Quotations on large quantities given on application.

Add 10 cents per pound if wanted sent by mail.

Red Kaffir Corn. *Non-saccharine*. The plant is low, stocky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder and in all stages of its growth is available for green feed. 1 lb. 5c; 100 lbs. market price.

White Kaffir Corn. 1 lb. 10c; 100 lbs. market price.

Buckwheat, Japanese. This variety excels all others. Will yield much heavier than any other, and it ripens one week to ten days earlier, stands up better and makes better flour than any other kind of Buckwheat. 1 lb. 5c; 100 lbs. \$4.00.

Buckwheat, Silver Hull. This improved variety is much better than the old sort. It is in bloom longer, matures sooner and yields heavier per acre. The grain is of a beautiful light gray color. Buckwheat makes splendid bee pasture. 1 lb. 5c; 100 lbs. \$3.50.

Buckwheat, Common. Buckwheat should be sown about the middle of June, broadcast, at the rate of from thirty to forty-five pounds to the acre. It should be threshed as soon as dry. If allowed to stand in mass, it quickly gathers moisture. 1 lb. 5c; 100 lbs. \$3.00.

Barley. For seed. 1 lb. 3c; 100 lbs. market price.

Field Peas. Small white. 1 lb. 5c; 100 lbs. \$2.75.

Flax Seed. Prime, clean seed for sowing 1 lb. 10c; 100 lbs. \$4.00.

Rape. Dwarf Essex. For sowing. Good for sheep pasture. May be sown in May, or even after taking off a crop of potatoes. Fall sowing will also give good results. Under moderately favorable circumstances will furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; broadcast, ten pounds to the acre. 1 lb. 15c; 100 lbs \$10.00.

Cow Peas. Good for fodder, sheep being very fond of them when in flower. Their chief value, however, is as a green crop, to plow under. 1 lb. 15c; 100 lbs. \$6.00.

Idaho Pea, or Coffee Berry. A forage plant valuable for semi arid lands. Yields excellent crops of feed for horses, cattle, sheep and poultry. The peas, when nicely browned and ground, make an excellent beverage. Plant sparingly for seed, closely for feed. 1 lb. 15c; 100 lbs. price given on application.

Soja Beans. A very valuable fodder plant, either for feeding green or for the silo. It is a rich food, and is unsurpassed for forming flesh. Like clover, it improves the soil by drawing its nitrogen from the air. Very productive. 1 lb. 15c; 100 lbs. \$8.00.

Spring Vetches, or Tares. *Vicia sativa.* A species of the pea; grown extensively for stock feeding. It is coming to be recognized as one of the best forage plants for Oregon and Washington. Also very valuable for green manuring. Culture same as for Field Peas. Sow one bushel per acre with wheat or oats. 1 lb. 7c; 100 lbs. \$3.50.

Winter Vetches. *Vicia villosa.* Perfectly hardy and very nutritious. Thrives on poor, arid, sandy soils. Can be cut twice for fodder and again for seed. Sown either in fall or spring, generally with rye for a support. Grows three to four feet high. Sow at the rate of 1½ bushels to the acre. 1 lb. 15c; 100 lbs. \$10.00.

Cheat Seed. Now being used quite extensively for hay. 1 lb. 5c; 100 lbs. market price.

Spurry. 1 lb. 20c; 10 lbs. \$1.20; 100 lbs. \$8.00.

Sacaline, Pkt. 10c; 1 oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.50.

Lathyrus Sylvestris. Also called flat pea. Pkt. 5c; 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

Fenugreek. Pkt. 5c; 1 oz. 10c; 1 lb. 35c.



Vetches.

FLOWER SEEDS.

Flowers are divided into three classes—Annual, Biennial and Perennial. The annuals are those flowers that bud, blossom and ripen their seed the first season and then die. The annuals are valuable to both the amateur and professional gardener. To them we are mainly indebted for our brightest and best flowers in the late summer and autumn months. Biennials and Perennials are those flowers that live on for two years or more, and, with but few exceptions, do not blossom the first season. The seed should be sown in the early spring, with the annuals. Great care should be taken in preparing the soil for the sowing of flower seeds. Besides being enriched, the ground should be thoroughly pulverized and the seeds but lightly covered, for but few flower seeds have sufficient strength to push their way up through clods of dirt or a very heavy stiffness of soil.

Ageratum. Fine for bouquets, and useful for beds, borders and pot plants. The flowers are graceful tufts of fine petals that remain fresh a long time after being cut. Blooms all summer, and if protected or potted and taken indoors, will bloom all winter. Half-hardy annual. MEXICANUM. Blue. Pkt. 5c.

Agrostemma. Striking and beautiful for beds, ribbons and borders. Their graceful, pink like flowers remain fresh, after being cut, a long time, and are very handsome in bouquets. Thrives in any good soil. CORONARIA (Rose Campion). MIXED. Perennial. Pkt. 5c.

Agrostis. Ornamental Grass. A hardy, annual, ornamental grass; delicate and graceful; very beautiful and effective with everlasting flowers. For winter bouquets. NEBULOSA. Pkt. 10c.



Agrostemma.

Alyssum. The Alyssums are well-known hardy annuals of easy cultivation, effective in beds, and especially fine for borders and edgings. The White Sweet Alyssum possesses a delicate, agreeable fragrance, and is very popular for bouquets. If taken in or protected they will blossom all winter. WHITE SWEET, Pkt. 5c. SAXATILE, Golden Alyssum, Pkt. 5c.

Amaranthus. Graceful, easily-grown ornamental foliage plants for the flower garden or conservatory. The colors are brighter if not planted in too rich soil. Half-hardy annual. MELANCHOLICUS RUBER. Dwarf habit; deep red foliage. Pkt. 5c.

CAUDATUS. Love lies bleeding. Graceful drooping flowers. Pkt. 5c.

CRUENTUS. Prince's feather. Handsome, erect flowers. Pkt. 5c.

TRI-COLOR. Joseph's Coat. Beautifully variegated; foliage scarlet, yellow and green. Pkt. 5c.



Sweet Alyssum.

Aster. Very beautiful and popular half hardy annuals, growing from ten to eighteen inches high. For profusion of flowers and richness of display, the Asters are unrivalled. Sow the seed early in the spring under glass, or pots in the house, and transplant into rich soil about one foot apart.

COCARDEAU, OR CROWN. The flowers of this variety have large white centers, bordered with scarlet, carmine, violet or blue; attractive and beautiful; one and one-half foot. Pkt. 10c.



Paeony Flowered Asters.

CRYSANTHEMUM-FLOWERED. Large double flowers resembling Crysanthemums. Valuable on account of profuse late flowering. Rose, Mixed; each, pkt. 10c.

GERMAN QUILLED. Double, quilled flowers of beautifully-mixed colors; two feet. Pkt. 5c.

GIANT COMET. The plants of this magnificent new tribe of Asters are twelve to fifteen inches high and form regular pyramids completely covered with superb, large double flowers, four to five inches across, with long, wavy, twisted petals, resembling the finest Japanese crysanthemums. Pure White, Crimson, Mixed, each, pkt. 10c.

TRUFFAUT'S PÆONY-FLOWERED. The earliest flowering variety; very double, fine; Snow White, Crimson, Apple Blossom, Dark Blood Red, Light Blue, Mixed; each, pkt. 10c.

SEMPLE'S LATE-FLOWERING BRANCHING ASTERS. Flowers are large—four inches across—very double, of purest colors, borne on long stems. They begin blooming about the first of September and continue until frost. Plants eighteen inches to two feet high. White, Pink, Rose, Crimson, Lavender, Mixed, each, pkt. 10c.

VICK'S BRANCHING. Mixed, pkt. 10c.

Bachelor's Button. *Centaurea cyanus.* Corn Flower or Corn Bottle. A hardy annual of easy cultivation. Has recently been greatly improved; and now produces handsome flowers of a great variety of rich colors. Borne on tall, branching stems, with but little foliage. Striking and handsome. CHOICE MIXED. Pkt. 5c.

Baloon Vine. *Cardiospermum.* Love-in-a-puff. A climbing annual, having rather inferior flowers which, however, are followed by curious puffs or balls that are quite handsome, and from which it takes its name. The plant is graceful and attractive, and used for either green house or outdoor decoration. Pkt. 10c.

Balsam. Lady's Slipper. Touch-Me-Not. Exceedingly handsome and attractive plants, producing masses of various-colored flowers. The soil should be very rich and free. The plants can be pinched back so as form bushes of any desired shape. Tender annual, easily grown. TALL DOUBLE WHITE. Extra choice. Pkt. 10c.

DWARF DOUBLE. Mixed. Pkt. 10c.

TALL DOUBLE. Mixed. Pkt. 5c.

Brachycome. Swan River Daisy. A handsome, dwarf-growing, free-flowering annual from Australia. The blossoms resemble Cinerarias. CHOICE MIXED. Blue and White. Pkt. 10c.

Briza. Handsome ornamental grass. Bears graceful pods on slender stems, which quiver with the slightest motion. Fine for winter bouquets. Hardy annual. MAXIMA. Large. Pkt. 5c.

Calceolaria. A very handsome and much-admired perennial, desirable either for the greenhouse or outdoor culture, producing a profusion of beautifully-spotted and tigered flowers of unique form. They flower best in a rich, sandy loam, and can be propagated either from the seed or cuttings. Tigered and spotted; brilliant. HYBRIDA MIXED. Pkt. 25c.

HYBRIDA RUGOSA. Handsome, shrubby, profuse bloomer, most desirable for outdoor culture. Pkt. 25c.

Calleopsis, or Coreopsis. Also known as Black-Eyed Susan. A hardy annual, very showy and attractive. It is branching, and is covered with a mass of bright flowers of all shades of yellow, orange and gold, with a dark, velvety center. Sow where they are to remain, and cut the flowers when in full bloom. CHOICE MIXED. Pkt. 5c.



Calliopsis.

Canary-Bird Flower. *Tropaeolum canariense.* One of the best climbing plants with graceful foliage of a delicate shade of green, and small yellow blossom, which, when half expanded, has a fancied resemblance to a canary bird. Half-hardy annual. Yellow. Pkt. 10c.

Canna. Indian Shot. Majestic-appearing plants, bearing broad, massive leaves, and crimson, scarlet and yellow flowers. CROZY. Mixed. Best varieties. Pkt. 10c.

Catchfly. *Silene.* A hardy annual about one foot high. Mixed. Pkt. 5c.



Balsam.



Candytuft.

Candytuft. *Iberis*. Well-known, hardy plants, thriving almost anywhere, and producing a profusion of bright, cheerful flowers. Very useful for cut flowers, borders, ribbons or for conservatory decoration. Hardy annuals. CARMINE. Pkt. 5c.

ODORATA. Sweet scented. Pkt. 5c.

MIXED. Annual. All colors. Pkt. 5c.

SEMPERVIRENS. Perennial. White. Pkt. 5c.

Carnation. *Dianthus carophyllus*. A well-known half-hardy perennial. Most varieties have flowers of delicious fragrance, which are large and beautiful. Grows one-half foot high. EXTRA CHOICE DOUBLE. Mixed. Pkt. 20c.

COMMON DOUBLE MIXED. Pkt. 5c.

MARGARET. If sown early in the spring, will flower the first year. Very popular. Double and half dwarf Rose, White, Striped and Yellow, each 20c per Pkt. Giant Mixed, Pkt. 10c.

Canterbury Bell. *Campanula medium*. Very ornamental garden plants. Their large, bell-shaped flowers are borne on tall, graceful stalks and are produced freely throughout the summer. Hardy biennials. Very showy and attractive. DOUBLE. Mixed. Pkt. 10c.

SINGLE. Mixed. Pkt. 5c.

Castor Bean. *Ricinus*. Highly ornamental, half-hardy annuals, of stately growth and having large leaves of bronze or glossy green. By planting singly or in groups, a striking effect is produced on lawns or pleasure grounds. SANGUINEUS. Brilliant scarlet. Pkt. 10c.

BARBONIENSIS ARBOREUS. The largest variety. Tall and stately. Pkt. 10c.

MIXED. Best varieties. Pkt. 5c.

Clarkia. A very beautiful hardy annual, about eighteen inches high, blooming from June to September. Set six inches apart. MIXED. Pkt. 5c.

ELEGANS. DOUBLE. Pkt. 5c.



Canterbury Bell.

Celosia Plumosa. Graceful, free-blooming plants. They belong to the same family as the cockscomb, but produce their flowers in beautiful feathery plumes instead of combs. They can be grown in pots for the conservatory, or may be planted out after danger of frost is past. Half-hardy annuals. Mixed colors of great brilliancy. Pkt. 10c.

Crysanthemum. Annual. Handsome, hardy annuals, about two feet high, blooming from July till October. MIXED. Pkt. 5c. TRICOLOR, Double. Pkt. 5c.

FRUTESCENS. Marguerite or Paris Daisy. Pkt. 10c.

Centaurea. Also known as Dusty Miller. This genus embraces some of the finest silver-foliage plants in cultivation, and, when arranged side by side in figures or in borders with dark and other ornamental foliage plants, rivals in beauty the finest flowers. Sow early under cover, or later in open ground and transplant when two inches high. CANDIDISSIMA. Handsome silver foliage. Leaves deeply indented. Half-hardy perennial. Pkt. 25c.



Crysanthemum Annual.

Cockscomb. *Celosia Cristata*. Very ornamental and interesting plants, producing crest-like flowers of great beauty, resembling a cock's comb. The tufts of some varieties grow to an enormous size, and their feathery graceful appearance and brilliant colors render them very attractive. Half-hardy annuals, of easy cultivation. MIXED. Finest varieties. Pkt. 5c.

Columbine. *Aquilegia*. A hardy perennial producing handsome flowers of many bright and attractive colors. The seed may be sown as soon as the ground can be prepared. Can also be increased by dividing the roots. Best double varieties. MIXED. Very fine. Pkt. 5c.

Cineraria. Well known, free-flowering greenhouse plants. The flowers are very brilliant, and of great variety of colors. They can be planted when the weather becomes settled, and propagate readily by dividing the roots. Perennial. HYBRID. Extra selected. Single. Pkt. 25c.

MARITIMA. Dusty Miller. Pkt. 5c.

Cobaea Scandens. A useful climber of rapid growth; fine foliage and large, blue flowers. In sowing, place the seeds edge-wise and cover lightly. Half-hardy perennial. Pkt. 10c.



Cosmos.

Cosmos. Also known as Mexican Dahlia. A tall branching annual, of easy cultivation, having delicate needle-shaped foliage. The flowers which are produced in profusion are unusually bright and attractive, resembling Single Dahlias. Colors range through rose and purple to pure white. A most desirable plant for autumn blooming. One of the most popular varieties grown, and deservedly so. CHOICE MAMMOTH MIXED. Pkt. 10c.

MAMMOTH PERFECTION. Fancy Light Pink. Pkt. 10c.

MAMMOTH PERFECTION. Fancy White. Pkt. 10c.

MAMMOTH PERFECTION. Fancy Crimson. Pkt. 10c.

Cyclamen. Presents a neat and elegant appearance, with its curious shaped and various colored flowers and masses of green and variegated leaves. The seed produces a bulb that blooms the second season. GIGANTEUM HYBRIDUM. Pkt. 25c.

GIGANTEUM PERSICUM. Mixed. Pkt. 25c.

Cypress Vine. *Ipomea quamoclit.* A climbing annual of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. When furnished a suitable support they become very ornamental and showy. Plant the seed where they are to remain as soon as the ground becomes thoroughly warm. WHITE. Pkt. 5c. SCARLET. Pkt. 5c. MIXED. All colors. Pkt. 5c.

Dahlia. The Dahlia is very easily raised from seed. Both the Single and Double Dahlias present a variety of color and perfection of form not exceeded by any other flower. If sown early in spring most of the plants will bloom the first season. The tubers should be taken up in the fall and kept in a dry, cool place over winter. DOUBLE MIXED. Pkt. 15c. SINGLE MIXED. Pkt. 10c.

Daisy. *Bellis perennis.* A well-known, half-hardy-perennial, blooming early in spring. Very desirable for borders. Sow early under cover, if necessary, and transplant when well started, to a moist, shaded place. The roots can be divided. DOUBLE MIXED. Pkt. 15c.

Datura. Trumpet Flower. Half-hardy, perennial plants, producing large, sweet-scented, trumpet-shaped flowers. Succeeds in almost any soil. FASTUOSA. Double mixed. Pkt. 5c.

Dracaena. *Indivisa.* Ornamental green-house plant. Very desirable. Pkt. 10c.

Eschscholtzia. California Poppy. Golden Cup. A showy, free-flowering genus of plants, bearing handsome, graceful foliage and flowers of the richest colors. They bloom very early and should be planted as soon as the ground can be prepared, where they are to remain, as they will not bear transplanting. Hardy annual, thriving best in light, warm soil.

CALIFORNIA. Yellow, orange center. Pkt. 5c. MIXED. Pkt. 5c.

MANDARIN. The petals are of an orange color inside and brilliant scarlet on the outside. Pkt. 5c.



Cineraria.



California Poppy.

Echinocystis Lobata. Wild Cucumber. A rapid-growing climber. Very good for covering old fences or trellises. Pkt. 5c.

Forget-Me-Not. *Myosotis.* Low-growing, popular, perennial plants, blooming the first season if sown in the fall or very early in spring. Fine for borders and edgings. A constant and profuse bloomer. Flowers mostly blue, with white or yellow center. LIGHT BLUE, handsome. Pkt. 10c. MIXED. Choice, all shades. Pkt. 5c.

Four O'Clock. *Mirabilis.* Marvel of Peru. A well-known hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright flowers of various colors, from scarlet through pink to white, and from salmon through orange, gold and straw to white. Each plant produces self-colored and variegated flowers. They are tall and branching, and should have plenty of room. CHOICE MIXED. Pkt. 5c.

Fox Glove. *Digitalis.* A tall-growing biennial, with large leaves and spikes of various colored and spotted flowers. Greatly improved of late, and are now really magnificent plants. EXTRA MIXED. Pkt. 5c.

GLOXIANA—FLOWERED. Pkt. 5c.



Gloxiana.

Gaillardia. Beautiful, showy annuals, one to two feet high. PICTA. Crimson and yellow. Hardy; with root protection in winter becomes perennial. Pkt. 5c.

Gilia. A hardy, easily-grown annual, having delicate, graceful leaves and handsome flowers of a great variety of attractive colors and shades. MIXED. Pkt. 5c.

Globe Amaranth. *Gomphrena.* Extremely handsome everlastings. The flowers should not be cut until fully matured; will keep for years, and are fine for fresh-cut flowers, and almost indispensable for winter bouquets. Half-hardy annual. MIXED. Pkt. 5c.

Gloxiana. Beautiful greenhouse plants. They grow well in a light rich soil. HYBRIDA MIXED. Pkt. 50c.

Godetia. Beautiful plants of easy cultivation, producing large, showy flowers. Hardy annuals of dwarf habit. Recently much improved. MIXED. Pkt. 5c.

Golden Feather. *Pyrethrum parthenifolium aureum.* Desirable border plant. Foliage delicate, beautifully fringed, of a bright, golden tint. To secure the most elegant borders, cut out the flower spikes as fast as they appear. Hardy perennial of easy cultivation. Pkt. 10c.

Grevillea Robusta. The Silk Oak. Very beautiful and graceful foliage; highly valued as a decorative plant for the table, and, when large, for tropical lawn effects; tender perennial, 3 to 5 feet. Pkt 10c.

Gourds. *Cucurbita.* Rapid-growing, tender, trailing annuals of easy cultivation. Useful for covering walls, fences and unsightly places. The fruit of many varieties is elegant and curious, and some may be used as dippers, bottles, etc. DISH CLOTH. Pkt. 5c.

EGG-SHAPED. White, very useful for nest eggs. Does not crack or decay. Pkt. 5c.

DIPPER OR BOTTLE. Useful and handsome. Pkt. 5c.

MIXED. Seed from the best varieties. LARGE VARIETIES. SMALL VARIETIES; each, Pkt. 5c.

Gypsophila. Delicate, useful, free-flowering plants, for baskets, edgings, or winter bouquets, for which purpose they should be gathered when in full bloom and dried in the shade. Annual and perennial. MURALIS. Pink, hardy annual. Pkt. 10c.

PANICULATA. White, best for winter bouquets. Hardy, perennial. Pkt. 10c.

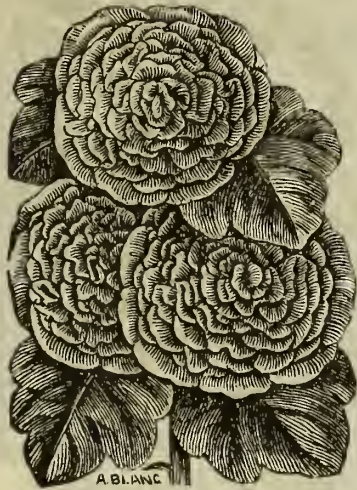
Helichrysum. Everlasting Flower. Very ornamental, hardy annuals for the garden, and one of the best of all for winter bouquets. Gather when partially opened and dry in the shade. Will thrive in any good garden soil. DOUBLE MIXED. Pkt. 5c.

Heliotrope. Delightfully-fragrant, free-blooming, tender, perennial plants. Splendid for bedding or pot culture. The fragrance of its flowers cannot be excelled in exquisite delicacy. Invaluable for bouquets. MIXED. Choice. Pkt. 10c.

Hibiscus. Fine, showy plants, with glossy leaves and large, brilliant flowers. In bloom throughout the entire season, and if potted and brought indoors will bloom all winter. Hardy annuals of easy cultivation. EXTRA MIXED. Pkt. 10c.

AFRICANUS. Yellow and Brown. Pkt. 10c.

Hyacinth Bean. *Dolichos.* Rapid-growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods. Plant where they are to remain, as they do not bear transplanting. LABLAB. Mixed. Pkt. 10c.



Hollyhock.

Hollyhock. *Althea.* The Hollyhock has been greatly improved, the double varieties being now almost as perfect as Camellias, and quite as varied and brilliant in color. Their majestic stalks, crowded on all sides with magnificent flowers, are a sight not soon to be forgotten. Our seed is saved from a very large collection of the best strains. Perennials of easy cultivation. DOUBLE MIXED. Choice. Pkt. 5c.

GOLDEN YELLOW. Double. Choice. Pkt. 10c.

WHITE DOUBLE. Very large. Pkt. 10c.

SCARLET, superb; Pkt. 10c.

CHARTER'S SUPERB. Mixed. Pkt. 5c.

Ice Plant. *Mesembryanthemum Crystallinum.* A dwarf, succulent, trailing plant for edging, rock-work, hanging baskets and vases. The stems and leaves are very curiously covered with crystals resembling globules of ice, from which it takes its name. Tender annual. Pkt. 5c.

Lantana. Free-flowering, shrubby plants, suitable for outdoor or pot culture. The flowers emit an agreeable odor, and are of many shades of purple, orange and white. Half-hardy perennial. MIXED. Finest Hybrids. Pkt. 10c.

Larkspur. A very ornamental class of profuse-blooming plants with tall spikes of many colored flowers. Hardy annuals and perennials. The perennial can be multiplied by dividing the roots. DWARF GERMAN ROCKET. Mixed. Annual. Pkt. 5c.

TALL-BRANCHING, STOCK FLOWERED. Mixed. Perennial. Pkt. 5c.

Linum. Beautiful, slender, free-flowering plants of many bright colors. Hardy annuals and perennials. Very showy. BEST MIXED. Many colors and shades. Pkt. 5c.

GRANDIFLORUM RUBRUM. Crimson Flax. Pkt. 5c.

LEWISII VARIEGATUM. Blue Flax. Pkt. 5c.

Lobelia. Delicate, low-growing annual plants, of the greatest value for borders, ribbons, edgings, rock-work and hanging baskets. The seed is very fine and can be sown early in boxes, or, a little later on, in open ground and the plants transplanted. CRYSTAL PALACE COMPACTA. Very Dwarf. Blue. Pkt. 10c.

FINEST MIXED. Pkt. 10c.

Marigold. *Calendula and Tagetes.* The Marigolds are well known, hardy annuals of easy cultivation. They are really magnificent flowers. The colors are gold, orange and varying shades of these colors. They flower early and bloom all summer.

AFRICAN. Double Mixed. Pkt. 5c.

FRENCH. Double Mixed. Pkt. 5c.

Mignonette. *Reseda.* A well known, hardy annual. Perennial if protected. Produces abundantly spikes of exceedingly fragrant flowers of different colors. The flowers should all be cut when in full bloom, as the plant soon exhausts itself in maturing seed. By sowing at intervals, flowers can be had during the whole season. No garden is complete without it. Easily grown. ODORATA. The well-known, large-flowering Mignonette. Pkt. 5c.

PARSON'S WHITE. Nearly white and very fragrant. Pkt. 5c.

GOLDEN QUEEN. Dense dwarf growth. Pkt. 5c.

ALLEN'S DEFIANCE. The largest variety and intensely fragrant. Pkt. 10c.

MACHET. Dwarf. Fragrant red flowers. Good for pot culture. Pkt. 10c.

MACHET GOLDEN. Similar to the above, but yellow in color. Pkt. 10c.

Moon Flower. *Ipomea Mexicana grandiflora.* Rapid-growing annual. Covers an arbor, trellis or lattice work, twenty feet high, in eight or ten weeks. The flowers are large, waxy white and very showy. They open out on cloudy days and in the evenings. Pkt. 25c.

Musk Plant. *Mimulus moschatus.* Cultivated for its rich, musky odor. Annual; becoming perennial in warm climates. Should have a rich soil and ample moisture. Pkt. 10c.



Mignonette.

Morning Glory. *Convolvulus Major and Minor.* The tall varieties are popular, well-known, rapid growing climbers, of the easiest cultivation. Valuable in every garden for trailing on fences, arbors and verandas. The Minor or Dwarf varieties flower very freely and do not require support. The flowers are very showy and run through various colors from white to dark blue and red. Plant early where they are to remain, if possible. Hardy annual. CONVOLVULUS MAJOR. Choice Mixed. Tall. All colors. Pkt. 5c.

CONVOLVULUS MINOR. Dwarf. Mixed. All colors. Pkt. 5c.

IMPERIAL JAPANESE. Many beautiful varieties are included in this mixture. There are solid colors, ranging through reds from soft rose to crimson, bronze and garnet maroon; from daintiest light blue to ultramarine, indigo and blackish purple; from snow-white to cream and silver grey. Some are striped, blotched and spotted; others have magnificent edges and throats; including purple with white edge and red throat; carmine with white edge and red shaded throat; garnet with white throat, etc. Mixed. Pkt. 10c.



Imperial Japanese
Morning Glory.

Nasturtium. *Tropaeolum.* Both the leaves and flowers of the Common Tall Nasturtium are very handsome for table decorations. The leaves are also used, when young as salad, and the seeds gathered while green and tender are esteemed by many for pickles. See *Vegetable List*. The Lobbianums are, however, superior to the common varieties when desired for ornamental purposes only. The flowers are larger, more compact, richer and more varied in color; produced more abundantly and contrast charmingly with the bright, clean, luxuriant foliage. Fragments of the vine, cut and placed in vases, will remain fresh and bloom for many days. The Dwarf Varieties have also been greatly improved, and are now among the most attractive bedding and border plants. All Nasturtiums are rapid growers, flowering best where the soil is not too rich. Hardy annuals.

TALL VARIETIES.

BLOOD RED. Pkt. 5c. BRIGHT SCARLET. Pkt. 5c. CARMINE. Pkt. 5c.

SCHILLINGII. Bright yellow. Pkt. 5c.

GOLDEN YELLOW. Pkt. 5c. Separate colors; each, 20c. per oz.

MADAME GUNTER'S HYBRIDS. A new race from France, having a richness of color and a variety of brilliant shades and markings hitherto unknown. Pkt. 5c; 1 oz. 15c.

LOBBIANUM VARIETIES. The very finest flowering kinds. Mixed. Pkt. 5c; 1 oz. 20c.

COMMON VARIETIES. Fine Mixed. Pkt. 5c; 1 oz. 10c.

TOM THUMB VARIETIES.

DARK CRIMSON. Pkt. 10c. GOLDEN KING. Fine. Pkt. 10c.

EMPRESS OF INDIA. New. Dark leaves. Crimson flowers. Superb. Pkt. 10c.

PEARL WHITE. Pkt. 10c. Separate colors; each, 20c. per oz.

FINEST MIXED. All colors. Choice. Pkt. 5c; 1 oz. 15c.

Oenothera. Evening Primrose. A perennial of strong growth, opening its blossoms late in the afternoon; hence the name. Quite attractive when covered with a mass of flowers. Pkt. 5c.



King of the Blacks.

Pansy. The pansy is one of the most popular annuals, and justly held in high esteem. It furnishes a profusion of bright, showy flowers of a great variety of rich colors and shades and markings, throughout the entire season, the flowers remaining perfect a long time. It should have the richest soil, abundant moisture, and a shaded locality. We give a choice list, every one of which, we feel confident, will give satisfaction, as we have taken the greatest care to procure the very best seed.

FAUST, OR KING OF THE BLACKS. This is an exceptionally fine strain of this handsome variety, and we recommend it highly. Pkt. 10c.

IMPERIALIS OR ODIER PRIZE PANSIES. Extra quality. Pkt. 20c.

PARISIAN LARGEST SPOTTED. New, very large flowering. Pkt. 15c.

COQUETTE DE POISSY. New, Mauve. Pkt. 20c.



Trimardeau.

Trimardeau. Our stock of Trimardeau Pansies is the very finest strain that can be obtained. The flowers are of immense size and exquisitely marked. Do not fail to plant some of them.

TRIMARDEAU WHITE. Pkt. 15c.
 " YELLOW. Pkt. 15c.
 " VIOLET BLUE. Pkt. 15c.
 " KING OF THE BLACKS.
 Pkt. 15c.
 " STRIPED. Pkt. 15c.
 " MIXED. Pkt. 15c.

VICTORIA. Claret Red. Pkt. 15c.
 BRONZE. Pkt. 5c.
 LARGE WHITE. Pure white. Pkt. 5c.
 LIGHT BLUE. Pkt. 5c.
 MAMMOTH MIXED. Pkt. 20c.
 EXTRA MIXED. Pkt. 5c.
 BUGNOT'S SUPERB BLOTCHED. Pkt. 25.
 CASSIER. Three and five-blotched
 giant. Pkt. 20c.
 EMPEROR WILLIAM. Indigo, dark
 center. Pkt. 5c.

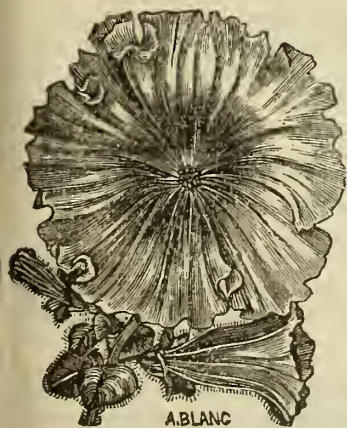
PRES. CARNOT. A fine new variety of the Odier type. Each of the five petals has a large, dark-violet blotch, leaving a broad margin of pure white. Produces large flowers in great profusion during the entire summer. Pkt. 25c.

FANCY STRIPED. Large flowered. Pkt. 10c.

Pampas Grass. *Gynerium argenteum*. A noble, perennial, ornamental grass, easily grown from seed, producing majestic plumes that are inimitable for winter decorations. When well dried, take by the stalk and shake thoroughly to bring out their beautiful plume-like appearance, and when dusty and fading it will restore them. The plants will bloom the second year. Pkt. 10c.



Fancy Striped.



Petunia.

Petunia. Too much cannot be said in praise of the Petunia as a bedding plant. During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of the heat and drought. Hardy perennial, blooming the first year. The flowers are of an almost-infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. SINGLE. Choice Mixed. Pkt. 5c.

BLOTCHED AND STRIPED. Pkt. 5c.
 FRINGED MIXED. Pkt. 25c.
 LARGE FLOWERED WHITE. Pkt. 5c.
 DOUBLE MIXED. Choice Hybrids,
 best, all colors. Pkt. 25c.

Phlox Drummondii. These flowers are of extreme beauty and are greatly admired by all. Their long

duration in bloom, combined with their almost-unequaled richness of color, renders them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox Drummondii is scarcely ever to be seen. Half-hardy annuals. GRANDIFLORA. FINE MIXED. Pkt. 5c.

LARGE FLOWERING WHITE. Pkt. 5c. COCCINEA. Deep scarlet. Pkt. 5c.

PERENNIAL. Pkt. 10c.



Phlox Drummondii.



Pinks.

ors. Pkt. 5c.

DOUBLE SCARLET. Pkt. 5c. DOUBLE WHITE. Pkt. 5c.

THE SHIRLEY. Of glossy, satiny texture, but ranging through many colors. Pkt. 5c.

BRACTEATUM. Hardy perennial. Very showy. Red. Pkt. 5c.

Pinks. *Dianthus*. The flowers are of the richest and most pleasing colors, and nothing can surpass the exquisite fragrance of some varieties. They are hardy and become perennial in warm climates and when protected. New seed should be sown every year or two. Old plants fail rapidly. Young ones produce the greatest number and much the finest flowers. CHINESE FLORE PLENO. Double China Pink. Finest Pink. Pkt. 5c.

Poppy. *Papaver*. The Poppy is a well-known and really magnificent flower. The flowers are borne separately on tall stalks, both double and single, and of many bright colors. They are hardy annuals, and may be sown as soon as the ground can be prepared. CARNATION. Double-mixed, beautiful flowers of many col-



Poppies.

Primrose. *Primula vulgaris*. ENGLISH PRIMROSE.

The old favorite yellow Primrose, now so popular and fashionable. Pkt. 10c.

CHINESE PRIMROSE. *Primula Sinensis*. Well-known greenhouse and conservatory winter-blooming plants. Nothing can surpass them for pot and indoor-blooming plants. Their various forms and blendings of colors are exceedingly pleasing and effective. They thrive best in a soil of sandy loam and leaf mould. Tender perennial. FIMBRIATA. Choice fringed varieties. Mixed. Pkt. 25c.

DOUBLE. Extra Mixed. In great variety. Pkt. 25c.

Portulaca. Very popular, low-growing hardy annuals, making a most brilliant display in the garden and very suitable for borders and edgings. Sow early, in warm, light soil, and thin plants to four inches. All colors. SINGLE MIXED. Pkt. 5c.

FINEST DOUBLE MIXED. Pkt 10 c.



Primrose.

Scabiosa. Mourning Bride. Handsome flowers of delicious fragrance, borne on long, branching stalks that have but little foliage. The flowers resemble in appearance some varieties of Dahlias, and are very symmetrical and handsome. Colors vary from white to purple and scarlet. Half-hardy perennial, of easy cultivation. FINEST DOUBLE MIXED DWARF. All colors. Pkt. 5c.

Salvia. Ornamental Sage. Very ornamental, producing tall spikes of brilliant flowers. Sow early in hot-beds and transplant two feet apart. SPLENDENS. Scarlet. Pkt. 5c.

PATENS. Brilliant Blue. Pkt. 25c.

Sensitive Plant. *Mimosa* A peculiar plant, with globular heads of pink flowers; interesting on account of the irritability of its leaves and stalks, which will, on being touched or shaken, close and droop as if dead. Tender annual. PUDICA. Pkt. 5c.



Snapdragon.

Smilax. The most useful and beautiful of all climbing plants for florists. It can be trained from pots or hanging baskets around windows or over ceilings with charming effect. Tender perennial. Pkt. 10c.

Snapdragon. *Antirrhinum*. One of the most useful and showy of border plants. The flowers are singular in form, and when taken between the finger and thumb and alternately pressed and released, will open and close with a snapping motion, from which they take their name. Hardy perennials of easy cultivation. TALL MIXED. Pkt. 5c. DWARF MIXED Pkt. 5c.

Sunflower. *Helianthus*. It is grown as an absorbent of miasma in damp or ill-drained situations. (See also Vegetable List.) Hardy annuals. GLOBE SHAPED. Pkt. 5c.

CALIFORNICUS. Double Orange. Pkt. 5c.



SWEET PEAS.

The Sweet Pea is today one of the most popular flowers for bouquets, table and parlor decoration. Their variety of beautifully-contrasted colors, clear, fresh appearance, and delicious, refreshing fragrance, make their appearance always inviting. They should be planted near some suitable support, in any good garden soil, and kept well watered. We give a list of choice named kinds, and our mixtures include a large assortment of the best named varieties. Our stock is from the largest Sweet Pea growers in the United States, and is equal in quality to that offered by any Eastern firm. We offer them at the following prices except as otherwise noted.

Pkt. 5c; 1 oz. 10c; 2 oz. 15c; 1-4 lb. 25c; 1 lb. 75c.

WHITE.

BLANCHE BURPEE. Eckford's large pure white.

EMILY HENDERSON. Large; blooms early and profusely.

CUPID. The first genuine dwarf sweet pea. Pure white. Pkt. 5c; 1 oz. 20c.

YELLOW.

MRS. ECKFORD. Beautifully shaded primrose-yellow.

GOLDEN GLEAM. Beautiful Primrose; the finest yellow. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c.

PINK.

BLUSHING BEAUTY. Very fine, delicate pink; hooded form.

KATHERINE TRACY. Soft, but brilliant pink.

LOVELY. Soft Shell-pink; most beautiful and extra large.

PRIMA DONNA. A most lovely shade of soft pink.

ROSE.

HER MAJESTY. Bold flowers of a most beautiful rose color.

LADY PENZANCE. Standard orange pink; wings pure pink.

OVID. Rose-pink, margined with deeper rose.

SCARLET.

BRILLIANT. Newest and brightest scarlet. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

FIREFLY. A deep brilliant scarlet; truly a fiery shade. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

MARS. Brilliant scarlet, fine form, but blackens under strong sun. 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

SALOPIAN. New bright crimson scarlet. A constant bloomer. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

BLUISH.

CAPTAIN OF THE BLUES. Purplish-mauve and pale blue.

LAVENDER.

COUNTESS OF RADNOR. Pale mauve, or lavender. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

NEW COUNTESS. The best new lavender. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

CELESTIAL. Delicate lavender, bordering on light blue. 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00.

LADY NINA BALFOUR. New. Extra fine. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

MAUVE—REDDISH.

EMILY ECKFORD. Standard Light reddish-mauve; wings a true blue.

MAROON.

SHAHZADA. New. A rich, dark, velvety maroon.

STANLEY. Rich, dark maroon.

MAGENTA.

CAPTIVATION. Beautiful, light magenta or claret color.

BLENDINGS AND VARIGATED.

AURORA. Flaked orange-salmon.

AMERICA. The brightest blood red striped.

BLANCHE FERRY. The popular pink and white.

CROWN JEWELL, Primrose ground, veined with violet rose; charming.

COQUETTE. Primrose yellow, shaded with pale lavender.

COUNTESS OF ABERDEEN. Soft pink, turning lighter.

COUNTESS OF POWIS. New. Standard bright orange-salmon; wings pink veined.

EMILY LYNCH. Deep rose-pink, shaded buff; softer in wings.

GRAY FRIAR. Beautiful watered purple on white ground.

LOTTIE ECKFORD. White suffused with lavender-blue.

LITTLE DORRIT. Pink, standard; white wings.

RED RIDING HOOD. Rosy-pink; standard, closely overlaps the wings.

ROYAL ROSE. The standard deep rosy-pink; the wings are a most charming, light rosy-pink.

TRIUMPH. New; rosy-pink standard, white wings. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

VENUS. Lovely salmon-buff, shaded rosy pink.

NAMED VARIETIES MIXED. A mixture of the above fine varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

ECKFORD'S HYBRID'S MIXED. Mixed seeds from the best varieties introduced by this celebrated grower. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

EXTRA MIXED. Large flowered. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

For Sweet Pea Collections, see inside of back cover.

Pea, **Everlasting**. *Lathyrus latifolius*. Hardy perennial climber. Flower similar to Sweet Peas, but not fragrant. WHITE. Pkt. 10c. MIXED. Pkt. 5c.

Stocks. The Stock, known by some as Gilliflower, has recently been so greatly improved as to be considered almost indispensable for bedding and edgings. Their varied and brilliant colors, profusion of blooms and delicious fragrance render them popular favorites. Hardy annuals, except where noted. MIXED. All colors. Pkt. 5c.

TEN WEEKS. Large flowered; dwarf; mixed. Pkt. 5c.

TEN WEEKS. Large flowered; White. Per pkt. 10c.

BROMPTON, or Winter. Mixed. All colors. Pkt. 15c.

EMPEROR. Perennial. Mixed. Pkt. 5c.

Sweet William. *Dianthus barbatus*. Well-known, remarkably free-flowering plants. The colors are very brilliant, ranging from snow-white to darkest crimson and purple. They emit a very delicate fragrance. Hardy perennial. The seed may be sown as soon as the ground can be prepared. The roots can be divided. SINGLE MIXED. Pkt. 5c.

DOUBLE. Mixed. Pkt. 5c.



Mammoth Verbena. Blue, Pkt. 10c. White, Pkt. 10c.

Verbena. A well-known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and hardier plants than those from cuttings; if sown in spring will flower quite early. Half-hardy perennial. FINE MIXED. Pkt. 10c.

MAMMOTH CANDIDISSIMA White. Pkt. 10c.

MAMMOTH. Extra fine; mixed. Pkt. 10c.

HYBRIDA DEFIANCE. Fiery scarlet. Pkt. 10c.

PURE WHITE, STRIPED, BLUE BLACK WITH WHITE EYE; each, per pkt. 10c.

Violet. *Viola odorata.* Extremely fragrant, early-blooming low-growing plants. Useful for borders, rock work and bedding. Exceedingly fragrant, a few flowers being sufficient to fill a room with their delicious fragrance. Thrives best in a cool, shady place. Hardy perennial of easy cultivation. Sweet scented.

Wall Flower. *Cheiranthus cheri.* A well-known, half hardy perennial, producing spikes of beautiful, exceedingly fragrant flowers. The petals are velvety; the color deep orange shading to brown; rich and handsome. If taken in or protected they will bloom all winter. FINEST DOUBLE. Mixed. Pkt. 5c. SINGLE. Large flowered. Mixed. Pkt. 5c.

NEW ANNUAL. One of the most valuable of recent introductions, flowering the first year from seed. Pkt. 5c.

Zinnia. Large flowering, branching annuals, in bloom the latter part of the season. The flowers are as double as Dahlias, which they resemble, and of as great variety of rich colors and shades. They can be dried, and will remain fresh in appearance and handsome for winter bouquets. Easily grown and transplanted, and remarkably showy for beds or as a low hedge. Half-hardy annuals. TALL DOUBLE. Mixed. Pkt. 5c.



Single Wallflower.

DWARF DOUBLE. Mixed. Pkt. 5c.

ELEGANS GRANDIFLORA PLENISSIMA. Very large double flowers. Pkt. 5c.

ZEBRA FLOWERED. Striped and spotted flowers of all shades and colors. Pkt. 5c.

FLOWERING BULBS.

We are constantly increasing the variety and quantity of the summer flowering bulbs which we handle. Our list of Japanese Lilies is worthy of special attention. It is the most complete assortment ever offered in the Northwest, and we are sure cannot fail to please the lover of handsome flowers. Try a bed of them this year. Send for bulb catalogue issued in the fall.

Bleeding Heart. Produces freely large racemes of pink and white heart-shaped flowers. Graceful foliage. Each, by mail, 30c.

Caladium Esculentum, or Elephant's Ear. Large size, 40c; per doz. \$4.00, Postpaid, Medium size, 30c; per dozen, \$3.00 postpaid.

Cinnamon Vine. A tuberous-rooted climber that grows with great rapidity, quickly covering walls, trellises, etc. Its bright, lively green foliage makes an attractive dense screen. 10c. each, postpaid.

Dahlia Double. We have these in several colors. Order, stating about what color you wish and we will fill it with the desired color, or the nearest to it we can; medium size, each 15c; per doz. \$1.50, postpaid; large size, each 20c; per doz. \$2.00, postpaid.

Cactus Dahlia. This new type is the most unique departure in Dahlias. They are very pronounced favorite, because of their remarkably graceful appearance, as they have none of the formality and stiffness so characteristic of the other varieties. Medium size, each, 15c; per doz. \$1.50, postpaid. Large size, each, 20c; per doz. \$2.00, postpaid.



Lemoine Gladiolus.

Gladiolus. A magnificent class of summer-flowering bulbs. The colors vary from the most delicate tints to the rich glowing beauty of the orchids and Amaryllis. By planting every two weeks during spring and early summer, a succession of bloom may be had until frost. Easy of cultivation. We have a large stock of mixed varieties, far surpassing in size any that can be obtained from Eastern firms, and their colorings and markings are very fine.

PURPLE, YELLOW, LIGHT AND WHITE, large size, each, 10c; per doz. 85c; medium size, each 7c; per doz. 65c; regular size, each, 5c; per doz. 50c. Mixed Colors, large size, each, 10c; per doz. 65c; medium size, each, 5c; per doz. 50c. All postpaid.

LEMOINE VARIETIES MIXED Each, 15c; per doz. \$1.50, postpaid.

Lily of the Valley. FORCING PIPS. Each 5c; per doz. 30c; per doz. by mail, 40c.

BOOKS.

We offer a list of valuable books for the Gardener, Farmer, Fruit Grower, Bee Keeper, Poultryman, and others in similar lines. Do not fail to inform yourself, by reading some good book on the line you are especially interested in. Any of them will be mailed post paid at the prices named.

A. B. C. of Bee Culture —Root. (cloth).....	\$1.25
American Standard of Perfection —the standard for scoring poultry.....	1.00
Art of Incubation —Von Culin.....	.85
Amateur Bee Keeper —Rouse.....	.25
A Year Among Bees —Dr. C. C. Miller.....	.50
Barry's Fruit Garden —A splendid work.....	2.00
Blanchard's Account Book —For keeping Poultry Records.....	.40
Bee Keepers' Guide —Prof. A. J. Cook.....	1.25
Bommer's Method of Making Manures —A practical and comprehensive guide.....	.25
Cauliflowers, and How to Grow Them —Brill.....	.20
Garden and Farm Topics —Henderson.....	1.00
Gardening For Profit —Henderson.....	2.00
Gregory on Fertilizers.....	.40
How to Manage Bees —Vandruff.....	.30
Manures —F. W. Semper, (paper).....	.50
Mushrooms, How to Grow Them —Wm. Falconer.....	1.50
Mushroom Culture —Robinson.....	.50
New Onion Culture —Greiner.....	.50
Parsons on the Rose	1.00
Pigeon Queries.....	.25
Practical Caponizing; How to Make Poultry Pay.....	.40
Quimby's New Bee-Keeping	1.50
The Rose —Elwanger.....	1.25
Thirty Years Among Bees —Alley.....	.53
Success In Bee Culture —Heddon.....	.50
Vegetables Under Glass —Dreer.....	.25
500 Questions and Answers.....	.25

Remember we issue catalogues of

Bee Keepers' Supplies.
Flowering Bulbs.

Poultry Keepers' Supplies.

Trees and Shrubbyery.

All of which are Free. Write for whichever one you want.

FERTILIZERS.

Fertilizers are needed. We offer them for sale,
Our Stocks are First Class in Quality and
our Prices are Right.

Vegetable Fertilizer. This compound is prepared specially for potatoes, vegetables and garden truck, and is unsurpassed for bringing these crops to early maturity. 100-lb. sack, \$2.50.

Complete Fertilizer. An all-around fertilizer for ordinary farm and garden products. 100 lbs. \$2.00; ton, \$35.00.

Fruit Fertilizer. This excellent fertilizer is made expressly for fruits. Its use for fruit trees, vines and shrubs of all kinds will be followed by a great improvement in the quality and increase in quantity. 100-lb. sacks, \$2.25; ton, \$35.00.

Lawn Fertilizer. For grass lands, lawns and flowers. This article has been specially prepared to meet the requirements of grass lands, and has been used on a great many lawns in and about this city with highly-satisfactory results. Do not use barnyard manure on a lawn, for it will fill it full of weeds. This fertilizer will feed the roots better and bring in no weeds. 25-lb. sack, \$1.00; 50-lb. sack, \$1.50; 100-lb. sack, \$2.50.

Hop Fertilizer. This is an excellent manure, and is just the thing needed for the successful growth of hops. A trial will convince hop men of its value. 100 lbs. \$2.00; 500 lbs. \$8.50; ton, \$33.00.

Super-Phosphate. This is a first-class article of pure bone phosphate, and acts in a remarkably short time. 100 lbs. \$2.50.

Pure Bone Meal We supply pure bone meal, finely ground, for use on crops of all kinds. Animal bone is a most valuable enricher of the soil and a crop producer, and is sure to pay well when used. 100 lbs. \$1.75; ton, \$30.00.

Granulated Bone. For chickens. 100 lbs. \$1.75.

Bone Flour. 100 lbs. \$3.00.

For larger quantities of any of these Fertilizers, write for Special Quotations.

DIRECTIONS FOR USING.

For Grass. Use 300 to 350 pounds to the acre. Apply broadcast before a rain.

For Vines and Fruit Trees of Every Kind. Loosen the earth about the vine or tree, and use at the rate of 500 pounds to the acre, working it into the soil; or, when setting, put into the hole from a handful to a shovelful, according to size of the tree or vine.

For Potatoes. Mix the fertilizer with the earth where the seed is dropped. Use at the rate of 400 pounds to the acre.

For Corn or Vegetables. Use from 300 to 800 pounds to the acre, thoroughly mixed into the soil at the time of sowing the seed.

For Hops. Use from 400 to 500 pounds to the acre.

A light top dressing of these fertilizers, applied at any time, will be found to aid the growth of crops very materially.

OTHER FERTILIZERS.

Land Plaster. Sacks of about 100 lbs. 75c.

Jadoo Fibre. This is a potting material rather than a fertilizer, and is manufactured by boiling into peat moss certain chemicals which contain the elements necessary to support plant life. It holds its strength for a long time, and after a year or two can be renewed by the application of Jadoo Liquid. Very fine for house plants. 1 lb. 10c; 5 lbs. 40c; 10 lbs. 70c.

Nitrate of Soda. \$3.50 per 100 lbs.

Fish Guano. 3c. per lb; \$2.00 per 100 pounds.

Bowker's Plant Food. Best Fertilizer for house plants. 1/2-lb. package, 25c; 1-lb. package, 50c, postpaid.

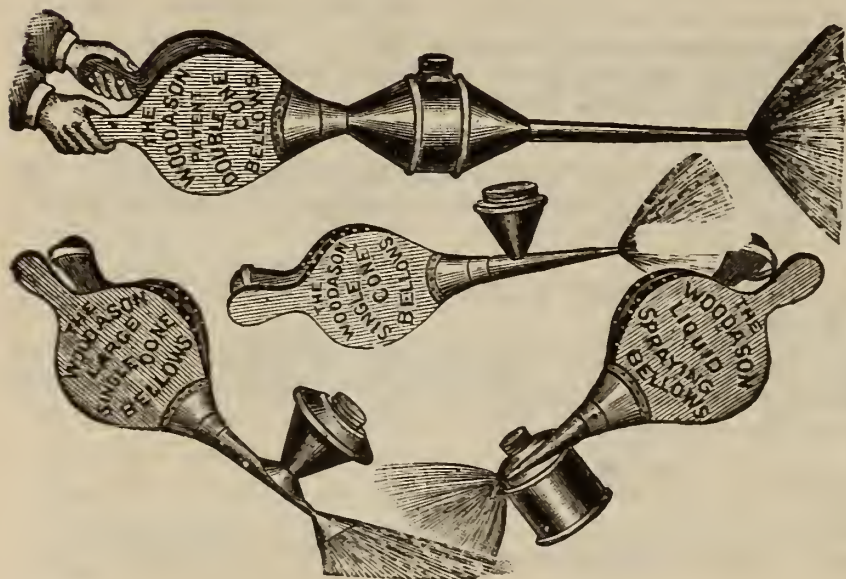
POTASH.

Potash is one of the most important fertilizing elements. Some forms are very useful in destroying insect pests that infest the roots of fruit trees, shrubs and vines. Every farmer should find out by practical experiment what his soil needs and avail himself of the large profit to be derived from the use of potash and other commercial fertilizers. We have a large stock of Potash Salts, direct from the mines at Stassfurt, Germany, and are in position to furnish them at reasonable prices. We have numbers of pamphlets published on the subject of Potash, and should be pleased to furnish them on application to anyone who wishes to investigate the matter.

Muriate of Potash. 3½c. per lb; sack, 224 lbs. \$6.50.

Sulphate of Potash. 3¾c. per lb; sack, 224 lbs. \$7.25.

Kainit. 1½c. per lb; sack, 224 lbs. \$2.25.

HAND SPRAYERS.

Scollay Sprayer.

Four sizes—50c. 75c. \$1.00 and \$1.25; by mail, 55c. 85c. \$1.10 and \$1.35.

Sprayers, Woodason's Liquid, like cut, \$1.50 and \$2.00.
 Powder Bellows, Woodason's Single Cone, \$1.15.
 Powder Bellows, Woodason's Large Single Cone, \$2.00.
 Powder Bellows, Woodason's Double Cone, \$3.00.



Brass Syringes for Spraying.

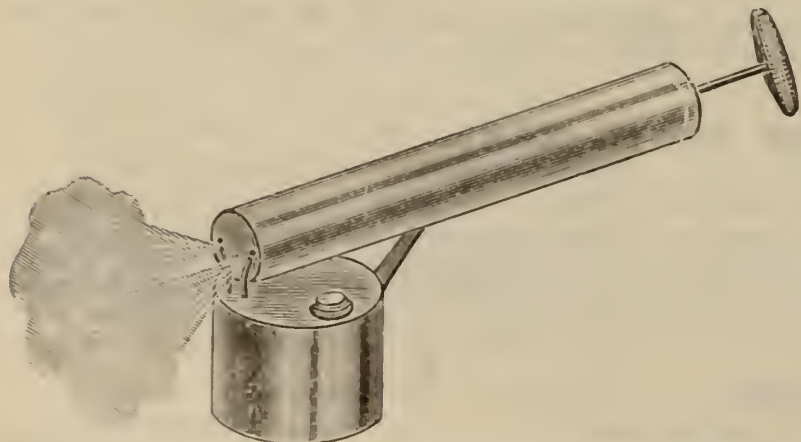
Length of barrel, 6 inches, \$1.00; by mail, \$1.05.
 " " 8 " 2.00; " 2.10.



Perfection Sprayer.

No. 1, Angle Neck, 60c; by mail, 65c.

No. 3, Angle Neck, 90c; by mail, \$1.00.



Lightning Insect Exterminator.

Lightning Insect Exterminator. Just the thing for spraying Rose Bushes and small shrubbery. Also first class for use in chicken houses.

Price, Brass, \$1.25.

" Galvanized Iron, 75c.

SPRAY PUMPS.

A good SPRAY PUMP is now considered one of the most useful implements in a first-class orchard.

We offer this season one of the best pumps manufactured. Its **Agitator** is comparatively and superlatively better than any return stream agitator and the very best one of any kind that we have ever seen. We call this *the* agitator, because *no other* does equally good work. **Without an efficient Agitator**, the nozzles, the valves and the suction strainer may clog up and cause the pump to work hard. Have we said enough? Buy a spray pump with New Agitator and you will say, "No!" Try it and decide for yourself.

The Orchard Spray Pump shown by the above cut is a first-class orchard sprayer. It has adjustable attachment or base to fit the top or side of any barrel. The outfit can be placed on a wagon and moved about at will. **The Air Chamber** is large and insures a constant stream; the pumps swings on its base, where it can be fastened in any position. A suction strainer is furnished. **The Working Parts** are made of brass; the cylinder being brass lined, the piston rod brass cased, and the plunger and valves solid brass. **The Discharge** is provided with Double Y connection, so that one or two sections of hose may be used at will. A tight cap is provided for one of the discharge openings.



No. 550.

OUTFIT C. Fig. 550 Spray Pump with 10 feet of $\frac{1}{2}$ inch 4-ply hose, with one spray nozzle. Has Double Discharge Y. Without barrel \$9.50.

OUTFIT C. C. The same as Outfit C, but with 25 feet instead of 10 feet of hose; and 8 foot pipe extension without valve. No barrel. \$11.50.

The "Peerless" An all Brass Spray Pump is the most durable, particularly, if used for applying the fungicides such as "Bordeaux Mixture and Ammoniacal Solution of Copper Carbonate. Brass prevents corrosion. **The "Peerless" Spray Pump** fulfills their requirements, as all working parts are made of brass, as well as the discharge connection, which is provided with a three-way stop cock for shutting off either or both sections of hose at will. A cap is provided for one of the discharge openings where only one section of hose is used. **The New Swivel Lever** enables the operator to work with either the right or left hand, without changing his position—a *novel and convenient feature*. **The Mechanical Agitator** is used on this pump.

OUTFIT C. Pump with 10 feet of $\frac{1}{2}$ inch 4-ply hose and nozzle. No barrel. \$12.50.

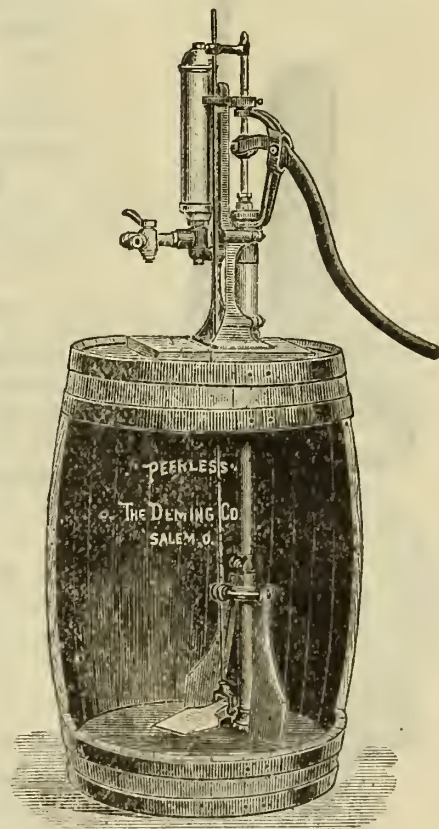
OUTFIT C. C. Pump with 25 feet of $\frac{1}{2}$ inch 4-ply hose and nozzle, with pole connection and 8 foot pipe extension with Globe valve. No barrel. \$15.00.

The Success Bucket Spray Pump. This pump has brass working parts and air chamber, indestructible bronze valve and malleable iron foot rest. Complete with Bordeaux nozzle, packed in neat box, with directions for spraying. Price \$4.00.

Prize Bucket Spray Pump. A first class cheap Brass Spray Pump for use in a bucket. Has a foot piece for holding it in place. Price, \$3.50.

Brass Bucket Spray Pump. A first-class pump for spraying small trees and for light work in general. The best cheap tool on the market. Price, \$3.00.

Smith's Patent Force Pump. Tin; four nozzles, \$1.00.



Peerless Pump.



"Advance" Pump.

also be used as a bucket sprayer. This outfit is also provided with a handle at the top of the tank, with which it can be readily carried from place to place. Price \$7.50.

The "Advance." This pump has brass tube cylinder, brass valves, and hollow differential plunger of brass tubing, which, in connection with the large air chamber, gives a steady stream, even with heavy work. This pump has a 2½ inch cylinder and 5-inch stroke. **The discharge opening** is provided with a double Y or 3-way stop cock, thus adapting it for two sections of hose. The Mechanical Agitator is used on "Advance" Pumps.

Outfit C "Advance" Pump, as shown in cut, with 10 feet of 4-ply hose, and nozzle. No barrel. \$15.00.

Outfit C. C. Pump with 25 feet of 4-ply hose, and nozzle. 8 foot pipe extension with globe valve. No barrel. \$18.00.

The Prize Knapsack Pump. A good brass pump, so arranged in a galvanized iron tank as to make a first-class knapsack pump. Can

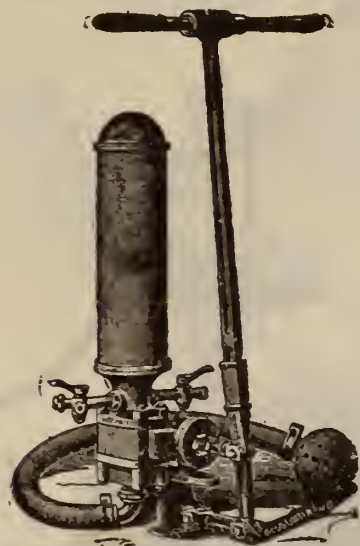


Prize Knapsack Pump.

The Planet Pump. A powerful pump for spraying large orchards. Arranged for one, two, three or four lines of hose. The cylinder is lined with heavy brass, and the pump is supplied with four feet of wire-lined section hose and brass globe strainer.

Price, Pump only, \$18.00.

Pnmp, with 50 feet 4-ply hose, two pipe extensions with globe valves, two nozzles and four feet suction hose, \$30.00.



Planet Pump.

The Double Discharge Attachment. Fig 366. Used on Barrel Spray pumps, for opening or closing at will either or both discharges is represented by the accompanying cut. Price \$1.75.

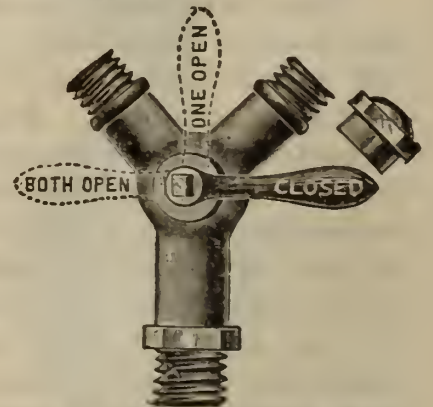


Fig. 336—Brass Discharge Connection with 3-way Cock.

A Double Spraying Attachment, (Fig. 980) combined with pole connection, is represented by the following cut. Price 75c.

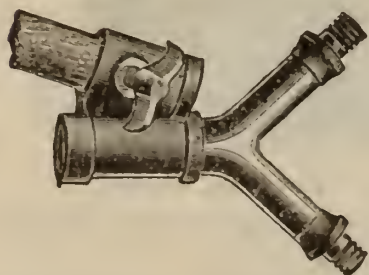


Fig. 980. Double Spraying Attachment.

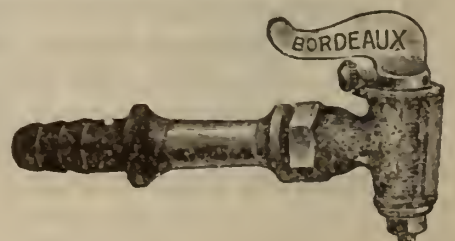
Bamboo Extensions. 8-foot lengths with globe valve, \$2.00. 10-foot, with globe valve, \$2.35.

Pipe Extensions. 8-foot, with fittings, 75c; same with globe valve, \$1.50.

Best quality Hose, for spray pumps, 3-ply, ½ inch 12c. per ft.; ¾ inch 15c. per ft.; 4-ply, ½ inch, 15c. per ft.; ¾ inch, 20c per foot.

Other grades of Hose from 5c. to 18c. per foot.

Vermorel Nozzle	\$1 00
Bordeaux Nozzle	1.00
Improved Cyclone Nozzle.....	1.00
Bean Cyclone Nozzle.....	1.00
Bean Duck-Bill Nozzle.....	1.00



WASHES FOR DESTROYING INSECTS, ETC.

We give below a list of washes recommended by the State Board of Horticulture for destroying insect pests on trees, etc.; also other washes and ingredients for same use.

No 1. Winter Spray for San Jose Scale and Peach Curl Leaf. Ingredients—salt, lime, sulphur, etc. For winter, use 1 lb. to 2 gal. water; for summer, 1 lb. to 8 gal. water. Apply warm just before buds swell in the spring. 1 lb. 10c; case 25 to 50 lbs. 5c per lb; 100 lb. case 4c per lb.

No. 2. For San Jose Scale and Wooly Aphis. Ingredients—sulphur, lime, blue vitriol. For winter, use 1 lb. to 2½ gal. hot water and apply just before buds swell; for a preventive, 1 lb. to 5 or 6 gals. water; for summer, 1 to 8 or ten gals. water. For Codlin Moth, add to 8 or ten gals. of solution a full ½ oz. Paris Green or London Purple, first making a paste with water. 1 lb. 10c; case 25 to 50 lbs. 5c per lb; case 100 lbs. 4c. per lb.

No. 5. Whale Oil Soap. Summer Spray for Hop Louse and Green Aphis. Use 1 lb. to 7 gals. water. 1 lb. 10c; case 25 to 50 lbs. 5½c per lb; case 100 lbs. 5c per lb.

No. 7. Bordeaux Mixture for Fungi. Ingredients—Sulphate of copper, lime. For winter, use 1 lb. to 2 gals. water; for summer 1 lb. to 4 gals. water. 1 lb 10c; case 25 to 50 lbs. 7c per lb.; case 100 lbs. 5c per lb.

Paris Green. ½ lb. can 25c; 1 lb. can 40c; 5 lb. can \$1.50.

London Purple. 1 lb. 25c; 5 lbs. \$1.00.

Rosin. 1 lb. 10c; 100 lbs. \$4.00.

Sulphur. 1 lb. 5c; 10 lbs. 30c.

Babbitt's Lye. 10c per can; 1 doz. cans 90c.

Sulphate of Copper. 1 lb. 10c; 10 lbs. 80c; 100 lbs. \$7.00.

Quassia Chips. 1 lb. 10c; 10 lbs. or more, 7c. per lb.

Lime. Per barrel, \$1.35.

INSECTICIDES.

Ongerth's Insecticide. A very strong insecticide. 1 lb. 25c.

Buhach. A Pyrethrum preparation of good strength. 1 oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Fir Tree Oil Soap. The best thing we know of for killing Green Aphis on shrubbery and garden plants. ½ lb. can 25c; by mail 35c,



Hammond's Slug Shot. Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, green aphs, etc. Prepared ready for use, 1 lb., 15c; 5-lb. pkg. 50c.

Hammond's Grape Dust. For the prevention of mildew on roses, grapes, gooseberries, etc. It is not only a preventive, but it cures plants already affected. Our experience with it has been



that it is effective where such remedies as powdered sulphur have completely failed. Apply with bellows. 1 lb. 15c; 5-lb. pkg. 50c.

GARDEN TOOLS, IMPLEMENTS, ETC.



**LANG'S
HAND
WEEDER**

**HANDIEST
TOOL**

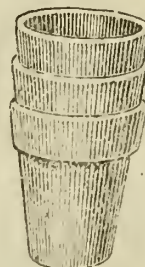
ON EARTH.

Excels'r Weeders, 20c
Noyes Hand " 30c
Hazeltine's " 30c
Combination " 30c



**BY MAIL
PREPAID**

25c.



FLOWER POTS.

Pots	Each.	Doz.
2 in.	03	20
3 "	04	35
4 "	05	50
5 "	06	65
6 "	10	1 00
7 "	13	1 25
8 "	15	1 50
9 "	20	2 25
10 "	30	3 00
12 "	50	5 00

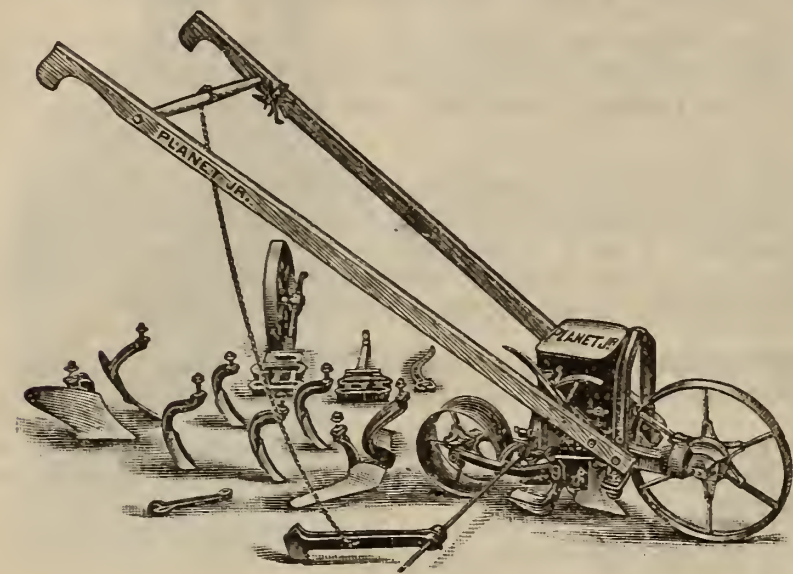
"PLANET JUNIOR" GOODS.

We list the most popular of the "Planet Jr." tools. For full description see "Planet Jr. Catalogue, which will be mailed on application.

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

This new combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double-Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate Wheel Hoe. It is large enough for field use, for it holds $2\frac{1}{2}$ quarts (or about 5 lbs) of onion seed, and has $11\frac{1}{4}$ -inch wheels, which are just the right size.

As a drill it is almost identical with the Planet Jr. No. 4 Drill; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throw-



No. 25.

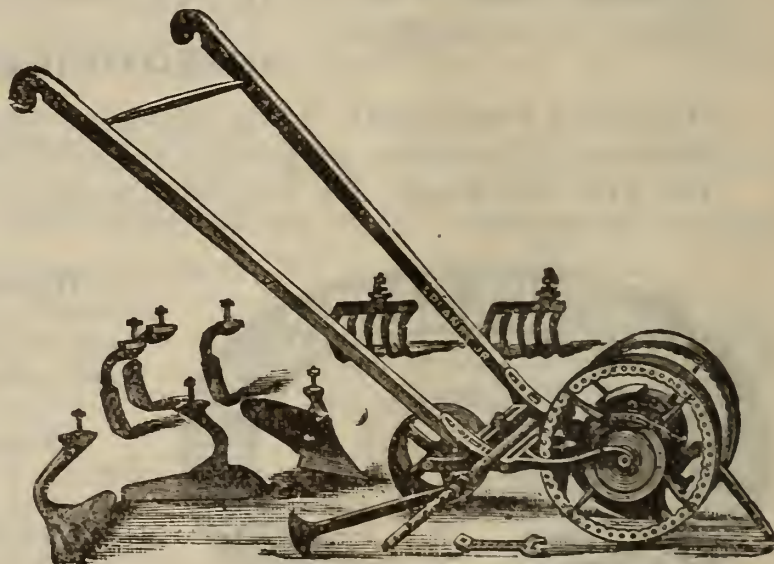
ing out of gear, and the new combined cut-off and seed index with thumb-screw adjustment. It is thoroughly substantial and accurate in sowing in either drills or hills.

As a Wheel Hoe it is identical with the Planet Jr. No. 12 Double-Wheel Hoe, the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory. Price \$14.50.

Planet Jr, No. 1, Combined Drill, Wheel Hoe, Cultivator and Plow. This tool is popular as a **Combined Garden Tool**. As a **Drill** it does good work. The hopper holds one quart. As a **Wheel Hoe, Wheel Cultivator or Wheel Plow** it is nearly equal to the tools described below. Each machine is sent out with all the tools shown in cut. Weight 47 lbs. Price, \$11.00.

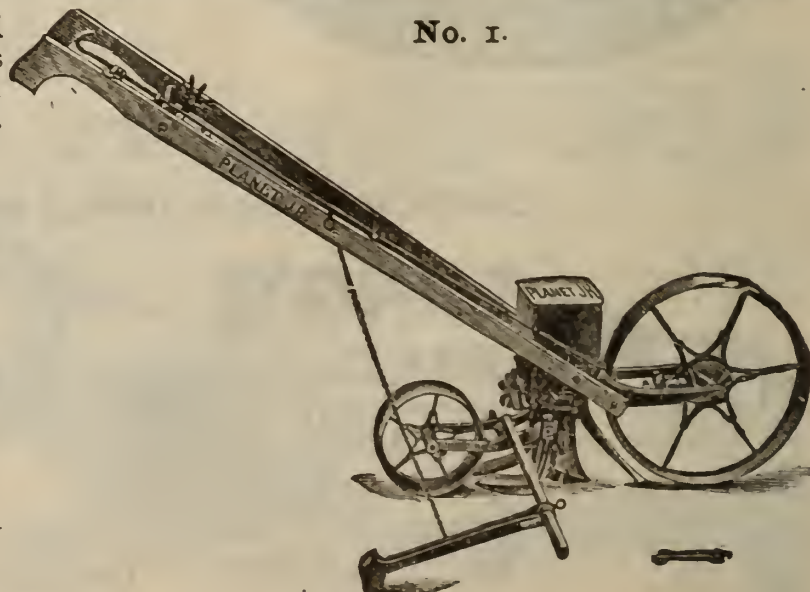
Planet Jr. No. 2 Garden Drill.

Similar to No. 1, but holds $2\frac{1}{2}$ quarts and is a drill only. Price \$8.00.

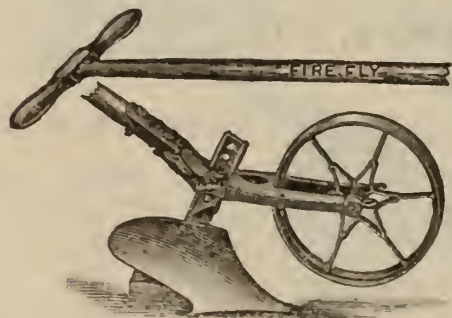


No. 1.

Planet Jr. No. 3 Single-Wheel Hill Dropping Drill. This is the same tool as the No. 5 drill, but it is smaller. Weight, 49 lbs. Price \$11.50.



No. 3.



Firefly Hand Plow. Invaluable for small gardens. Price \$2 75.

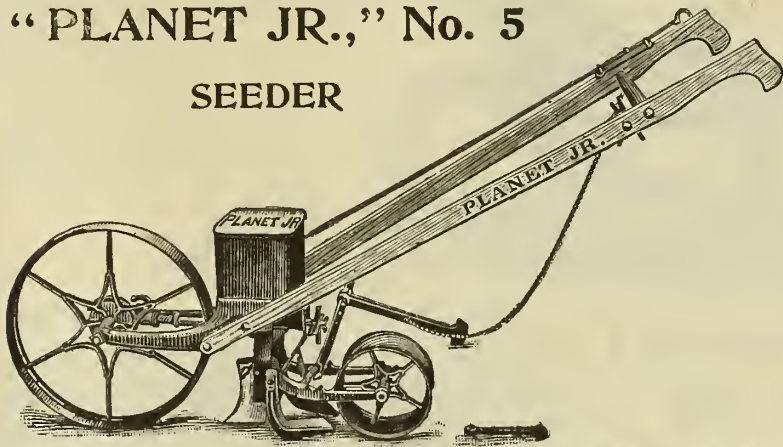
Firefly Single-Wheel Hoe. Price \$4.75.

Planet Jr. No. 4, Single Wheel Hill Dropping Drill, Hoe and Cultivator, Combined. This machine is new but has proved to be the most popular of the Pl. Jr. tools. We can scarcely recommend it too highly. It combines conveniently in a single garden implement a capital hill-dropping and a continuous row seeder, with the most perfect and complete single-wheel hoe, cultivator, rake and plow that the most particular can desire. Holds 2 quarts. Weight 45 lbs. Price, \$12.50.

The same machine, with drill only, weight 37 lbs., for \$9.00.

"PLANET JR.," No. 5

SEEDER

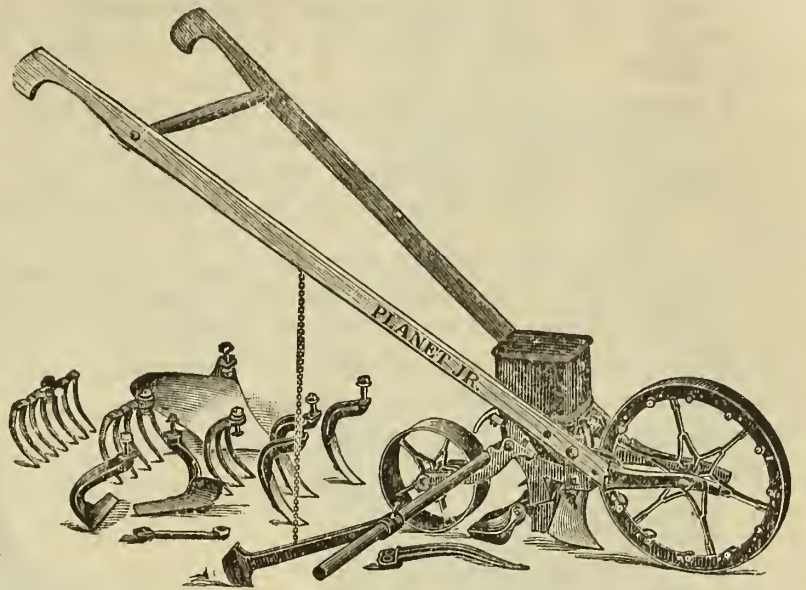


Planet Junior No. 11 Double Wheel Hoe, Cultivator, Rake and Plow. This implement has 11-inch wheels which may be set at four different distances apart, and the frame may be set at three different heights without disturbing the handles or removing the nuts from the standards. It has seven pairs of tools, being similar in every respect to No. 12 except that it has an extra pair of hoes and two pairs of rakes. See cut of No. 12 for illustration. Price, \$10.00.

Planet Junior No. 12, Double Wheel Hoe, Cultivator and Plow. Identical with No. 11, except that it has fewer tools as shown in the cut. Price, \$7.75.

"PLANET JR.," No. 15

Single Wheel Hoe



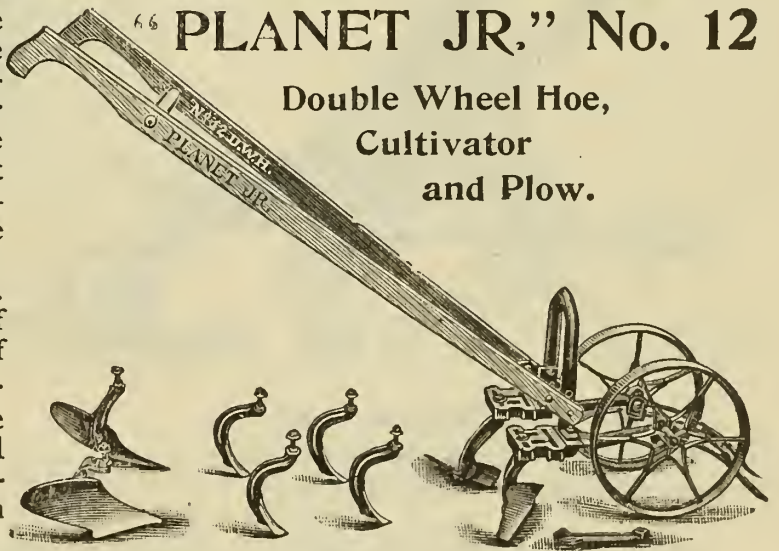
The Planet Jr. No. 5 Seeder is similar to No. 4 without attachments but of larger capacity, holding 4 quarts. Price, \$14.50.

Planet Jr. Fertilizer, Pea and Bean Drill. Price, \$15.00. The same tool when arranged with Opening Plow, Coverer, Roller and Marker. Price, \$18.00.

The Planet Jr. No. 10, Double Wheel Hoe Cultivator and Plow. The popular old double wheel hoe. Price, \$7.75.

"PLANET JR.," No. 12

Double Wheel Hoe, Cultivator and Plow.



Planet Jr. No. 13, Double Wheel Hoe. This is the No. 11, with a pair of 6-inch hoes only. The other tools may be added as wanted to either No. 12 or No. 13. Price, \$5.00.

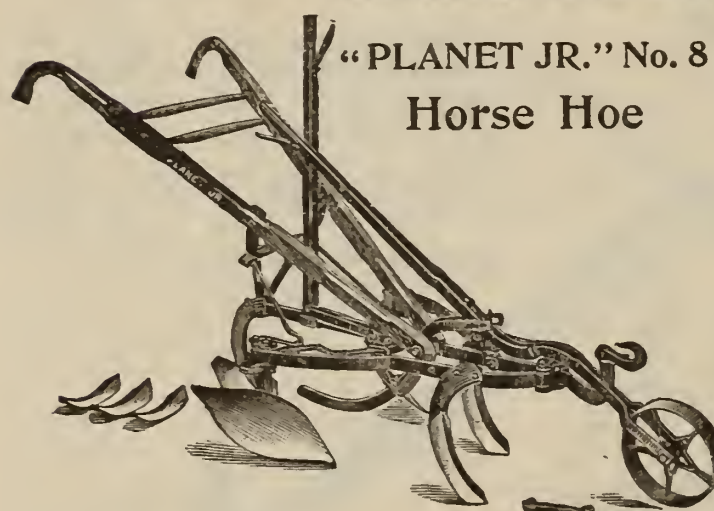
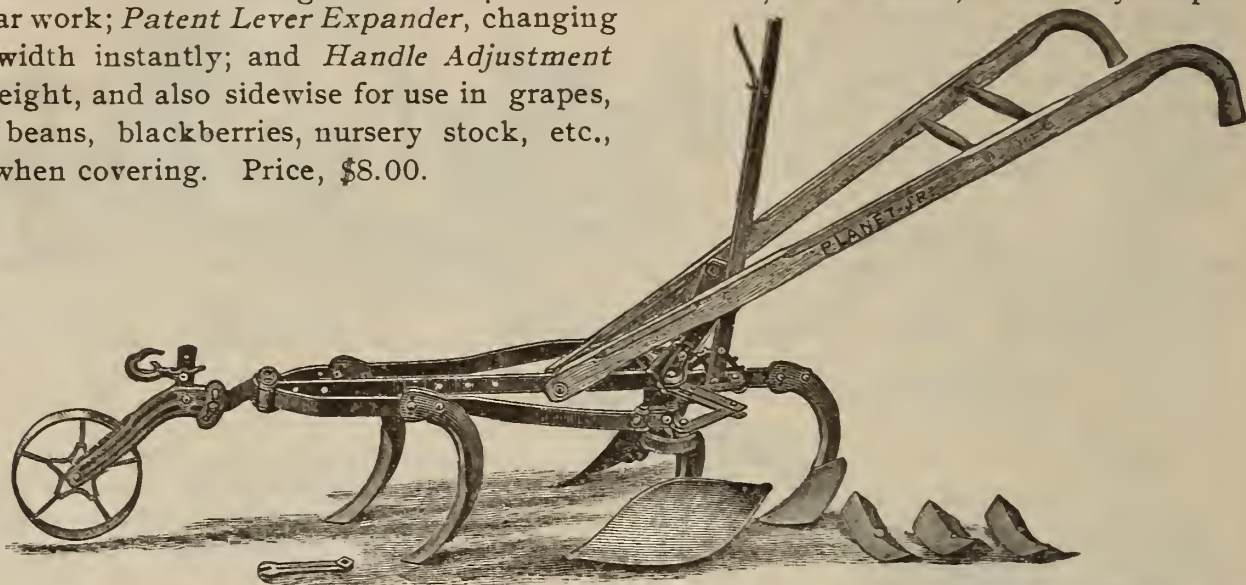
Planet Jr. No. 15, Single Wheel Hoe Cultivator, Rake and Plow. The latest and best Single Wheel Hoe in every particular, having all the tools shown in the cut. Price, \$7.75.

Planet Jr. No. 16, Single Wheel Hoe, Cultivator, Rake and Plow. The same as No. 15 except that it does not have the pair of shield hoes and the wide rake. Price, \$5.50.

Planet Jr. No. 17, Single Wheel Hoe, Cultivator and Plow. The same as No. 16 but without the rakes. Price, \$4.50.

Planet Jr. No. 18, Single Wheel Hoe. The same as No. 15 but with one pair 6-inch hoes only. The other tools may be added as wanted to No's. 16, 17 and 18. Price, \$3.50.

Planet Jr. No. 6, Combined Horse Hoe and Cultivator is widely and favorably known. Chief among the late improvements are the *Lever Wheel*, a necessity for particular work; *Patent Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in grapes, pole beans, blackberries, nursery stock, etc., and when covering. Price, \$8.00.



"PLANET JR." No. 8
Horse Hoe

Planet Jr. No. 8 Horse Hoe and Cultivator has the new lever wheel and new depth regulator. The expander is of new pattern, and the reversible side hoes may act as plows or hillers or as hoes. Price, \$11.00.

No 7, same as No. 8, without depth regulator. Price, \$10.25.

Planet Jr. No. 9 Horse Hoe and Cultivator Similar to No. 8, but without lever. Price, \$9.50.

Planet Jr. Harrow and Cultivator, with foot-lever pulverizer, complete. Price, \$11.00.

The same tool without pulverizer. Price, \$9.25.

The same without pulverizer or wheel. Price, \$7.50.



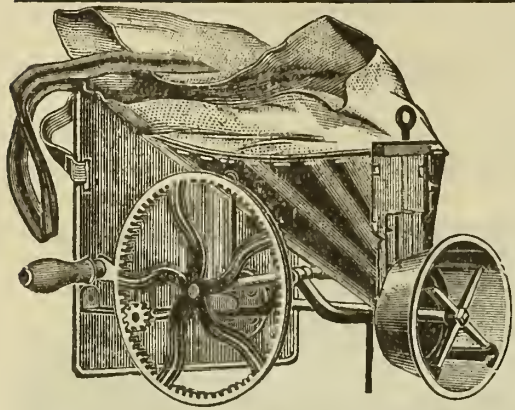
Harrow and Cultivator.

The Planet Jr. Grass Edger will do either straight or curved edging and should be the constant companion of the lawn mower. Price, \$6.50.

The Planet Jr. Pivot Wheel Cultivator, Plow, Furrower and Ridger. 2-horse. Price, \$60.00.

Planet Jr. Orchard Cultivator. A 2-horse machine of great merit. (For description see Planet Jr. Catalogue.) Price, \$50.00.

For additional descriptions of preceding tools or for descriptions of other styles, see Planet Jr. Catalogue, which will be mailed on application.

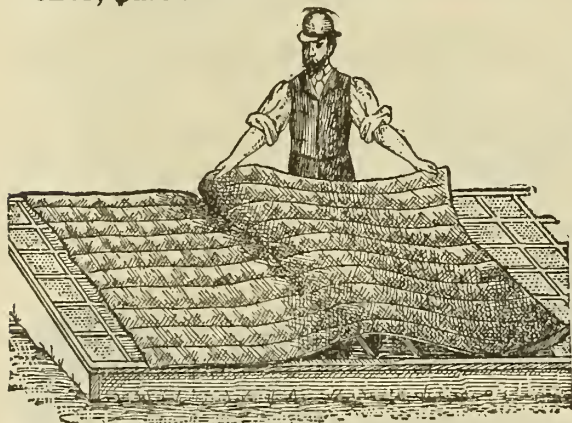


Cahoon Hand Seeder. Price \$4.00.

harbor mice or vermin; easily handled; dry out quickly after rain.

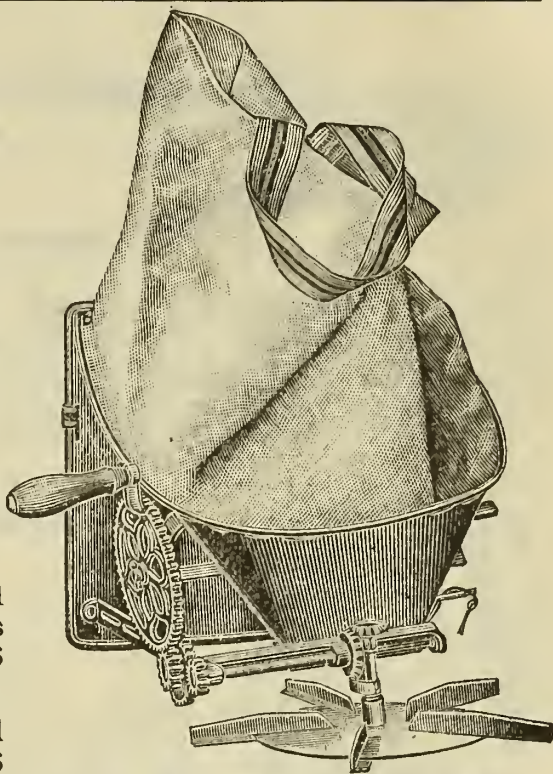
No. 1. *Burlap Cloth*, filled with combination wool and quilted. seams three inches apart, and edges firmly bound. 40x76 inches, \$1.00 each. 76x76 inches, \$1.25.

No. 2. *Duck Cloth outside*, filled and quilted same as No. 1. 40x76 inches, \$1.25 each; 76x76 inches, \$1.50 each.



Palmer's Plant-Bed Mats.

Palmer's Plant-Bed Mats Frost-proof. Made expressly for winter covering of hot-beds, cold frames, plants and seeds of all kinds. Indestructible, cheap and warm; will not



Granger Hand Seeder. Price, \$3.50.

No. 3. *Waterproof*. Made of oil duck, filled and quilted the same as No. 1. 40x76 inches, \$1.50 each; 76x76 inches, \$1.75 each.

Plant-Protecting Cloth. This cloth is useful for protecting plants from frosts and for covering hot-beds and frames, instead of glass. Specially prepared to prevent mildewing and rotting.

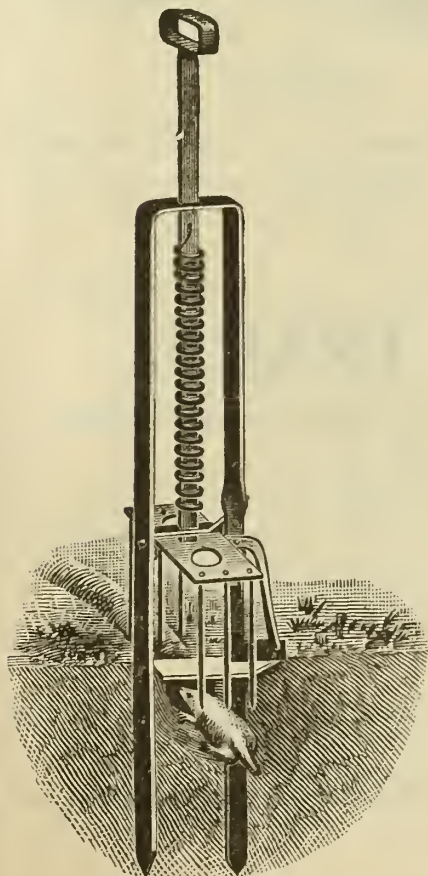
Light grade, per yard, 10c; per piece of 68 yards \$5.50.

Medium grade per yard, 15c; per piece of 62 yards \$6.00.

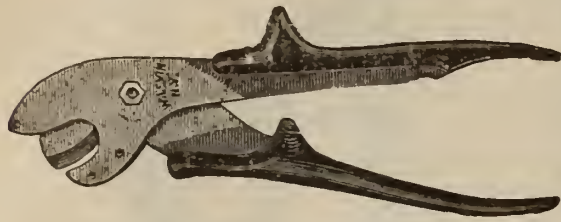
REDDICK MOLE TRAP.

THE REDDICK MOLE TRAP
Is, without doubt, all things considered, the best mole trap ever placed on this market. No mole can pass under it and live. It is not only effective, but cheap. Try it and prove its merits.

Price, \$1.00.



Reddick Mole Trap.



The Levin Pruner. Very strong and an easy cutter.

No. 23, 3/4 inch cut. Postpaid, 75c.

No. 24, 1-inch cut. Postpaid, \$1.00.

No. 5. "Sheep Toe" Clipper. Fine shear for light pruning, as roses, etc. 40c; by mail, 55c.

"No. 14." Spiral spring, 50c; by mail, 65c.

"No. 21." Straight springs, 55c; by mail, 70c.



Water's (New Standard) Pole Shears.

6 feet	\$.75
8 "	1.00
10 "	1.10
12 "	1.25

Cannot go by mail; purchaser will have to pay freight or express charges.

No. 52. 9-inch drawcut, \$2.00; by mail, \$2.15.

No. 59. 9-inch; polished handles, \$1.00; by mail, \$1.20.



Pruning; budding and grafting knives, best makes, from 25c. to \$1.25.

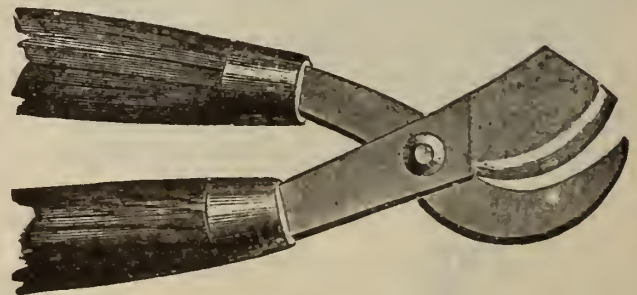
Pruning Saws, California,	12-inch, Crescent.....	\$.70
	" 14-inch, " .....	.75
Wonder,	18-inch, .....	.80
	" 20-inch, .....	.85

Two-Hand Branch Shear, Rockdale.

41 inch, \$1.25; 26 inch, \$1.00.

Two-Hand Branch Shear, Buckeye.

28 inch, \$1.35; 24 inch, \$1.00.



Rockdale.

Tree Labels, painted	\$0 70 per M
" " painted, wired	1 00
" " unpainted	60
" " unpainted wired	90
" " printed	85

Pot Labels, painted	\$0 85 per M
" " unpainted	65 "
Raffia. 1 lb.	25c.

"OUT O' SIGHT" TRAPS.

- "Out o' Sight" Gopher Trap. Simple, strong and durable. Price, postpaid, 25c.
- "Out o' Sight" Mouse Trap. No bait required. Postpaid, 10c.
- "Out o' Sight" Rat Trap. Postpaid, 25c.

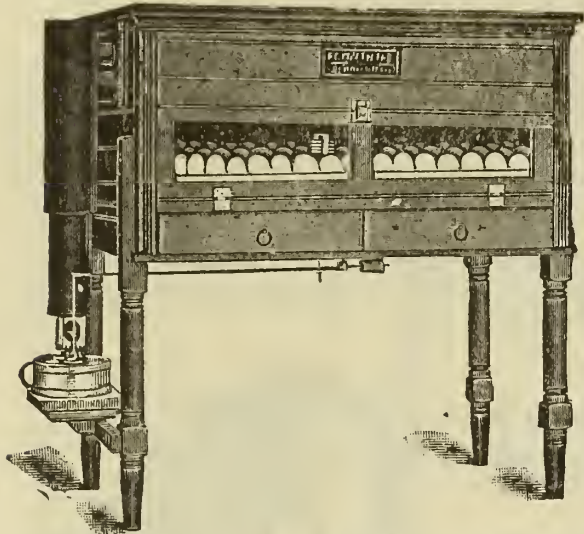
..MASTICA..

Mastica. For glazing hot-house windows. Put up in one-gallon cans, ready for use. Price \$1.50 per gallon.

Mastica Machine. For applying Mastica. Saves time, labor and expense in glazing hot-house windows. Price \$1.15 each.

POULTRY SUPPLIES.

We carry a full line of Poultry Supplies and list in this Catalogue most of the principal articles needed by poultry men. We would request any one specially interested in this line to **write for our Complete Catalogue of Poultry Supplies.**



Model 52, 126-Egg Petaluma.

THE PETALUMA INCUBATOR is a first-class "hot air" machine. The metal parts are principally of iron and copper, so they will last a lifetime; perfectly self-regulating; known the world over as one of the best egg hatchers made; will hatch anything from silk worm to ostrich eggs. **WE PAY FREIGHT TO YOUR TOWN.**

Petaluma, Model 48,	54 Eggs.....	\$10.00
Petaluma, " 52,	126 "	20.00
Petaluma, " 53,	216 "	30.00
Petaluma, " 54,	324 "	40.00

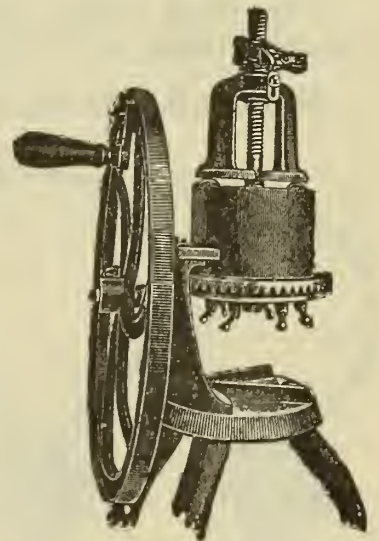
BROODERS.

Petaluma. Indoor, 100 Chick	\$ 5.00
Petaluma. Outdoor, 100 Chick	12.00
Petaluma. Hot Water Sectional, 200-250 Chick.....	20.00

The Man Bone Cutters are exceptionally good machines and have given universal satisfaction. They do the work that is expected of them and do it well and rapidly. We believe that you would find one a paying investment, even if your flock of fowls is not very large. Nos. 1 to 8 inclusive, are guaranteed for one year by the manufacturers.

No. 1 C, (with crank handle).....	\$ 7.25
No. 1 B, (with balance wheel).....	9.00
No. 1 B M, (B. W. and iron stand)	12.00
No. 4 B, (with balance wheel)	15.00
No. 4 B M, (B. W. and iron stand)	18.00
No. 6, (Post Bone Cutter)	17.00
No. 2, (Standard Bone Cutter)	20.00
No. 8, (Double hand cutter)	24.00
No. 10, (Small power cutter)	28.00
No. 14, (Large power cutter)	80.00
No. 16, (Made to order).....	235.00

MORTAR, Cast Iron, perforated; for crushing burnt bone, oyster shells, etc.....\$3.50



New No. 4 B. M. Mann

The following is but a sample of the many testimonials constantly received praising the efficiency of the **Mann Bone Cutters**:

October 23, 1899.

F. W. MANN Co., Milford, Mass.,

Dear Sirs: I bought a No. 1 B Bone Cutter, with balance wheel, from your agents in Portland, the Portland Seed Co., and can say that it is a first-class machine. It will cut the green bone as fine as can be; it is simple and strong and will last a man a life time.

I give my hens all the green bone they can eat three times a week and find the result a great improvement in size of eggs.

Yours respectfully,

J. S. GRIFFIN.

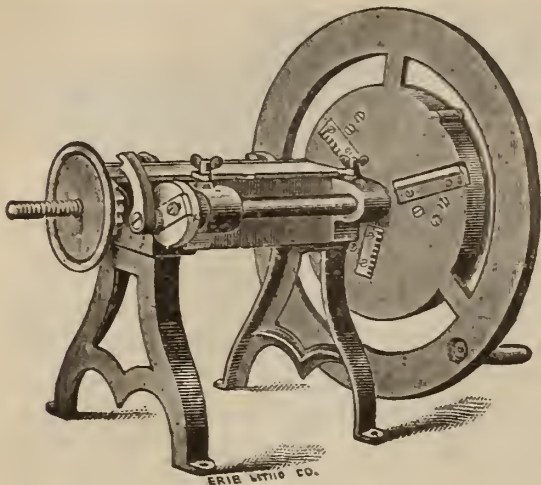
December 16, 1899.

PORTLAND, SEED Co., Portland, Oregon.

Dear Sirs: The Mann Bone Cutter which we ordered from you came all right. We are well pleased with it. Many thanks.

Yours truly,

MRS. T. D. WEGER.

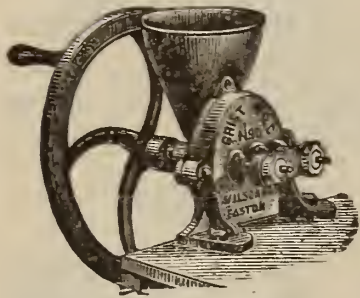


No. 1 Dandy.

The "Dandy" Bone Cutter is one of the newer machines; is well made, strong, compact and easy running. Grinds all kinds of bones, and can be changed instantly from coarse to fine cut. All styles but the No. 0 are Automatic feed. These machines are guaranteed for one year by the manufacturers.

- Dandy No. 0 (with crank handle)..... \$ 6.50
- Dandy No. 0. (with balance wheel) 8 50
- Dandy No. 1. (with balance wheel)..... 12 00
- Dandy No. 2. (with balance wheel)..... 14.00
- Dandy No. 3. (with balance wheel)..... 20.00

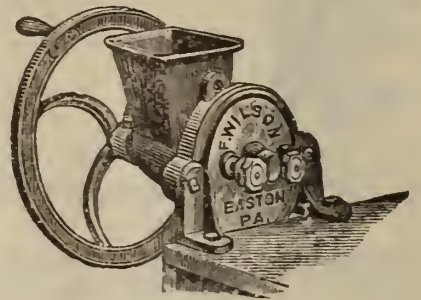
Crown Bone Cutter, with stand and balance wheel, especially adapted to cutting green bones. Price \$12.00.



Wilson Feed Mill No. 0. \$6.00.

The **Wilson Dry Bone Mill**, No. 1. For grinding shell, burned bone, feed, etc., \$5.50.

The **Wilson Feed Mill**, No. 0. Especially for grinding feed from grain, corn, etc. Price,

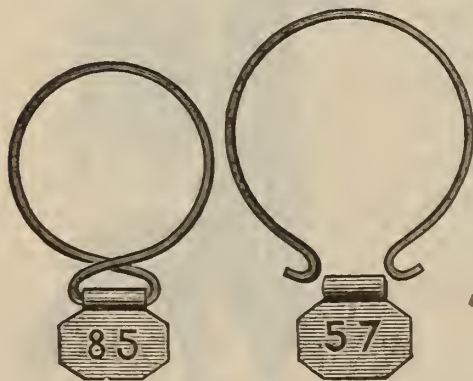


Wilson Mill, No. 1.

Mann's Clover Cutter, cuts clover and grass which makes a valuable poultry food. Price \$9.50. Mounted, \$12.00.

The **Gem Clover Cutter**, cuts green or dry, fine, even and easy. Screw feed and adjustable cutter bar. Price \$11.00.

Mann's Swinging Feed Trays. 18-in. \$1.00; 27 in. \$1.25; 36-in. \$1.50.



Climax Leg Bands.

Climax Leg Bands. No. 1, 1/2 inch; No. 2, 5/8 inch; No. 3, 3/4 inch; No. 4, 7/8 inch; No. 5, 1 inch; No. 6, 1 1/8 inch. Per doz. 25c; per 25, 40c; per 50, 75c; per 100, \$1.35.

Leg Bands. The regular copper leg bands. Per doz. 25c.

Poultry Marker, by mail 25c. This is a well made, steel-spring punch, for perforating the membrane between the toes of the fowls, and makes an indestructible mark. Use it, and then you can tell your fowls from your neighbors'. Just the thing for marking turkeys.

The **Reliable Poultry Punch** as represented in the cut is a very convenient instrument for marking poultry. Strong and durable. By mail, 35c.

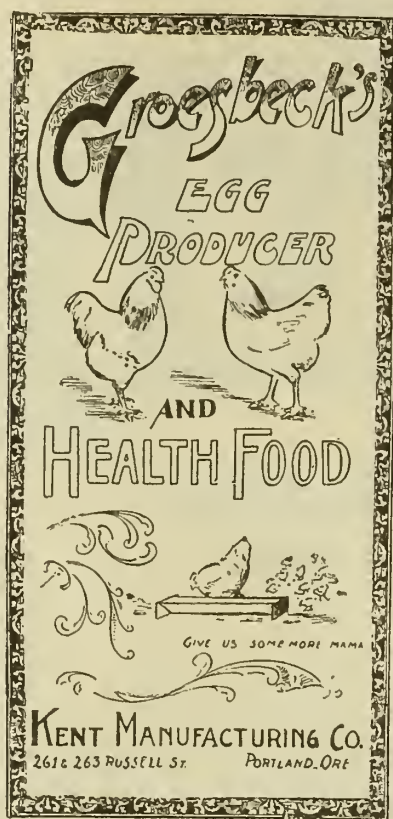
Nest Eggs. Each, 5c; per dozen, 30c; by mail 50c. per dozen.

For a Good Spray Pump see Our List of Pumps, Page 61.

For Light Spraying, see List of Sprayers on Page 60.



Reliable Poultry Punch.



GROESBECK'S EGG PRODUCER

AND HEALTH FOOD

Is an Excellent Egg Producer, Preventive and Cure for all Diseases of Fowls.

It cures chicken cholera, gapes, worms and all diseases.

It produces bone, muscle and feathers.

It makes the comb red, feathers lay smoothly, eggs fertile; and makes larger fowls. Moulting fowls, when fed **Groesbeck's Health Food**, pay largely by their early-laying qualities. Also young chicks grow more rapidly, are healthy and free from disease.

The numerous diseases young turkeys are subject to are seldom known when **Groesbeck's Egg Producer and Health Food** is fed. Large size Pkg., 50c; Medium size, 25c.

Groesbeck's Lice Paint. When the houses and roosts are infested with lice and nites, paint or spray them with **Groesbeck's Lice Paint**. This product can be used as it comes from the can, as a paint, or by diluting it with eight parts water, as a spray. Price, 1-qt. can, 40c; 2-qt. can, 60c; 1-gal. can, \$1.00

Groesbeck's Rough on Nits. Price, ½ pt. 25c.

Groesbeck's Rough on Lice. Price, 1 pt., 50c.

Carbolineum. Paint your poultry house with it to kill vermin. 1-quart can 50 cents; 4 1-quart cans, \$1.75.

Lee's Lice Killer. Well and favorably know. 1 quart 40 cents, ½ gallon 60 cents, gallon \$1.00.

Creosozone. Per qt., 50c. Sprinkle the roosts of your poultry house with it and it will clear the house and the fowls of lice.

Lambert's Death to Lice. An Insect Powder for lice on setting hens. Also invaluable for lice on horses, cattle or plants, ticks on sheep, fleas on dogs, moths in carpets or furs. 5 oz. 10c; by mail, 17c; 15 oz. 25c; by mail, 43c; 48 oz. 50c; by mail, \$1.02.

Imperial Egg Food. 1 lb. 45c; 2½ lbs. 90c; 6-lb. box, \$1.75; 10-lb. box. \$2.50; 25-lb. keg, \$6.00.

Pratt's Poultry Food is a guaranteed egg producer. 26-oz. pkg. 25c; 5-lb. pkg. 60c.

Morris' Poultry Cure. ½lb. 25c; 1 lb. 50c; by mail, ½ lb. 35c; 1 lb. 68c.

Sturtevant's Poultry Cure. A sure cure for diseases of Poultry, such as Cholera, Roup, Swell Head, Influenza, Colds, Pip, Gapes, etc. In packages at 25c. and 50c.

Pratt's Animal Regulator. 3-lb. pkg, 25c; 7-lb. pkg. 50c.

Granulated Bone. 1 lb. 2c; 100 lbs. \$1.75.

Meat Meal. Fine egg food. 1 lb. 3c; 100 lbs. \$1.75.

Standard Poultry Grit. 1 lb. 1½c; 100 lbs. \$1.00.

Oyster Shell. Western, 1 lb. 2c; 100 lbs. \$1.35.

“ “ No. 2 Eastern, for all classes of poultry: 1 lb. 2c; 100 lbs. \$1.50.

“ “ No. 3 Eastern. For small chickens and birds; 1 lb. 2c; 100 lbs. \$1.50

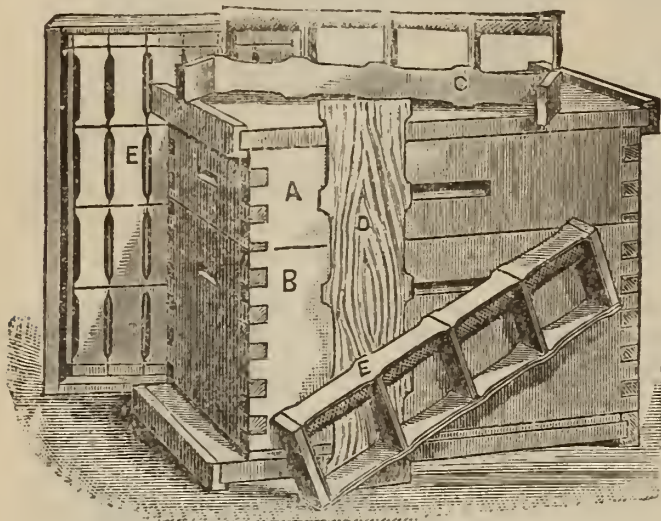
Wire Poultry Netting. This now has come to be an almost-indispensible article about a poultry yard. We offer the best quality in pieces 150 feet in length and widths as follows:

No.	12	18	24	30	36	42	48	60	72
Mesh, Wire	in.	in.	in.	in.	in.	in.	in.	in.	in.
2-inch..20	\$1.15	\$1.80	\$2.35	\$2.75	\$3.25	\$3.90	\$4.25	\$5.10	\$6.10
2-inch..19	1.30	1.95	2.60	3.10	3.65	4.25	4.50	5.65	6.75

Short lengths, 1 cent per square foot. Prices subject to change without notice.

BEE SUPPLIES.

We carry a very large stock of Bee Supplies, which includes a full assortment of the articles necessary for handling bees in an up-to-date manner. If Bees are to be kept, they should be handled by improved methods, for it is only by keeping them in the best shape that any money can be made with them. We give herewith a list which includes most of the principal articles that are used by bee-keepers. We would request anyone who is specially interested in this line to write us for our complete Catalogue of Bee Supplies, the new edition of which will come out in the spring.



Dovetailed Hives.

No. 1 Dovetailed Hive (complete with 1 super) consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 1 follower and 1 wedge (1 tightening strip) for super, 6 section holders, 6 slotted separators, 24 section and foundation starters for frames and sections, and nails.

No. 2 Dovetailed Hive consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 follower and one wedge for super and 6 section holders, 6 slotted separators, and nails.

No. 3 Dovetailed Hive (complete with 2 supers) consists of 1 bottom board, 1 body, 2 supers, 1 cover, 8 Hoffman brood frames, 1 division board, 2 followers and 2 wedges for supers, 12 section holders, 12 slotted separators, 48 sections and foundation starters for frames and sections, and nails.

No. 4 Dovetailed Hive consists of 1 bottom board, 1 body, 2 supers, 1 cover, 8 Hoffman brood frames, 1 division board, 2 followers and 2 wedges for supers, and 12 section holders, 6 slotted separators, and nails.

No. 10 Dovetailed Hive (complete two-story for extracting) consists of 1 bottom board, 2 bodies, 1 cover, 16 Hoffman brood frames, 2 division boards, and nails.

Table of Prices of Falcon Dovetailed Hives.

Order by No.	Nailed or K. D. Packed.		Weight of 10
	1	10	
1. Complete	2 15	17 50	300
2. Empty	1 85	15 00	280
3. Complete	2 75	22 50	380
4. Empty	2 35	19 00	340
10. Empty	2 25	18 50	320

Five hives at same rate as ten.

Supers.

	1	10
No. 2, with holders and separators	55	4 25
No. 1, complete	65	5 75
No. 0, empty	35	2 75

Cedar Hives

Order by No.	Nailed, or K. D. Packed.	In Flat
		10
1. Complete	1 80	15 00
2. Empty	1 55	12 50

Five Hives at same rate as ten.

We also carry a first class **Pine Hive** which we can supply at a lower price. Write for quotations.

Price List of Brood Frames.

Name.	In Flat	
	10	100
Hoffman frames with projections on side bars only	30	2 50
Improved Foundation Fastening Frames	30	2 50
Thick-Top Bar Staple Spaced	30	2 50

Price List of Separators.

Slotted wood separators, 4½x18 for Dovetailed supers	1 00
Slotted wood sliced separators	65
Plain separators	55

Section Holders.

Section Holders for Dovetailed Hives are made with bottoms ¼ inch thick by 1¾ inch wide, and are cut out to fit insets of sections. The ends are ½x1¾x4¼. They have no top-bar, nor are separators included in price; 10, 20c; 100, \$1.40.

Plain, 1½ inch wide.

Section-holder bottoms or pattern slats, 100, \$1.00.

Porter Bee Escape.

This is one of the best escapes known, and is far superior to almost all others. Price 20c. Mounted, each, 40c.

No. 1 Sections.

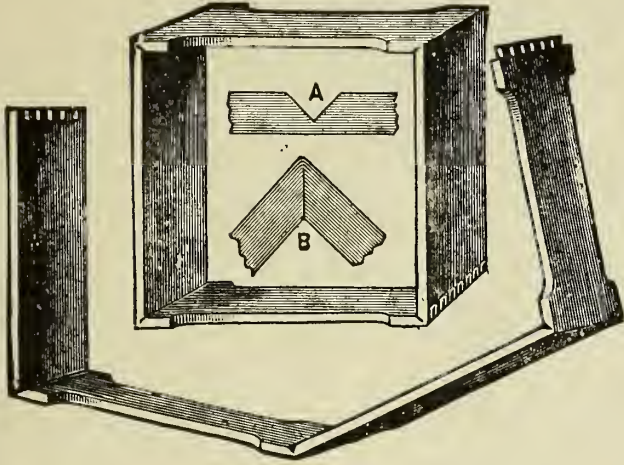
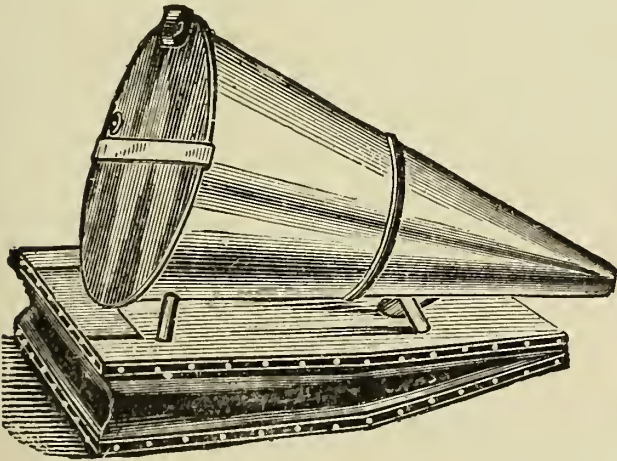


Table of Prices.

Per 100	500	1000
\$.60	\$2.35	\$4 50
No. 1. 4¼ x 4¼ x 1⅞.		
No. 1. 4¼ x 4¼ x 1 15-16.		
No. 1. 4¼ x 4¼ x 1¾.		
No. 1. 4¼ x 4½ x 7 to the foot,		
No. 1. 4¼ x 4¼ x 1½. No bee way.		

Cheap Sections.

We offer a fair quality. White for prices. For larger quantities, write for special prices. If ordered by mail, allow 1c. each for postage. Sample section by mail free. We have in stock 5¼x5¼x1⅞ and 1 15-16 Falcon sections. Price \$1.00 extra per 1000.



Clark's Cold-Blast Smoker.

Price, 60c; by mail, 75c.

Bingham Smoker.

	Each.	By Mail.
Conqueror.....	\$1.00	\$1.75
Little Wonder.....	.60	.75
Doctor.....	1.25	1.55

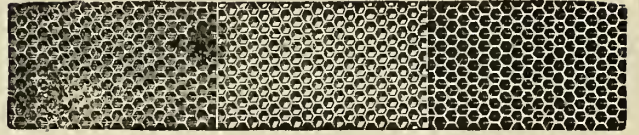
Crane's Smoker.

Price, \$1.50; by mail, \$1.80.

Cornell Smoker.

Price, \$1.00; by mail, \$1.20

Dadant's Comb Foundation.



Our foundation is made from Pure Beeswax

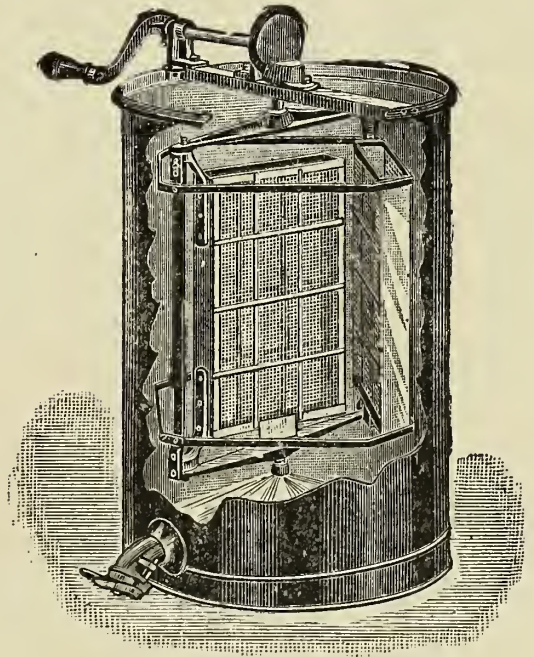
Price per Pound

Grade	1 lb.	10 lbs.
Light Standard Brood....	.50	.47
Ex. Light Standard Brood	50	.49
Light Section .....	.60	.56
Extra Light Section....	.60	.59

If foundation is wanted by mail, add 25c. per lb. up to 2 lbs.; and 20c per lb. over 2 lbs.

We pay the Highest Price for Bees Wax.

Honey Extractors.



Cowan Extractor.

Novice, No. 5, price.....	\$10.00
Cowan, No. 15, price.....	13.50

Price List of Veils.

No. 1 Veil, made entirely of silk tulle, 80c.

No. 2 Veil, cotton tulle, with silk tulle face, 55c.

No. 3 Veil, cotton tulle, throughout, 40c.

Seeds

Fertilizers

Garden Tools



Frederic Sells Co. Photo N.Y.

BEE AND POULTRY SUPPLIES