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1909

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**PORTLAND
SEED
CO**

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P.S.CO'S. MT. HOOD
SNOWBALL CAULIFLOWER.

P.S.CO'S. FIRST EARLY

**COR. FRONT & YAMHILL STS
PORTLAND, ORE.
FIRST AVE. COR. LINCOLN ST.
SPOKANE, WASH.**

PORTLAND SEED COMPANY'S

COMPLETE 1909 CATALOG

NUMBER 61

NUMBER 61

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Here are Your Premiums

NOTE.—Ask for your Premium with order. If you do not we cannot send it.

Aside from furnishing you with the best seeds that grow and the best stocks obtainable, we have made a practice during the past few years of offering and giving free premiums with certain sized orders. We believe these have been fully appreciated by our customers, so are offering them again this year. THESE PREMIUMS ARE GIVEN ONLY WHEN CASH ACCOMPANIES ORDER AND AT PRICES PRINTED IN THIS CATALOG.

With a \$2.50 Order Your choice of Vegetable or Flower Seeds in packets or ounces to the value of 25c., or any 25c. Lily, Dahlia, Canna or Gladioli Bulb.

With a \$5.00 Order Double the \$2.50 Premium, or any 25c. book, or 25cts. to apply on any book we list.

With Freight or Express Orders

WE MAKE THE FOLLOWING EXCEPTIONALLY LIBERAL OFFER.

With a \$5.00 Order Foods and Remedies, Flowering Bulbs or Seed Potatoes. Your choice of any 25c. package of Stock or Poultry Food or Remedy, or any of our Seed Potatoes, or Flowering Bulbs to the value of 50c.

With a \$25 Order We will give you one dollar's worth of our New Shadeland Triumph Oats, or Pride of Multnomah Potatoes, or \$1.00 to apply on any book we may list, or three times the premium on the \$10.00 order.

With a \$10 Order You may double the premiums or the \$5.00 order or choose any 50c. book in our list.

The premiums offered on freight and express orders will not be sent on mail orders.

IF YOU SELECT PREMIUMS LISTED ABOVE, YOU ARE NOT ENTITLED TO OUR SPECIAL DISCOUNT OFFER BELOW ON SEEDS IN PACKETS AND OUNCES.

Special Rates on Seeds in Packets or Ounces

By mail, postage paid by us, to any postoffice in the United States.

25 cents WORTH OF SEEDS FREE with every \$1.00 order for Seeds in packets and ounces. Remember, in packets and ounces only. \$1.25 for \$1.00, \$2.50 for \$2.00, and so on.

This discount does not apply on quantities over one ounce, or where any other premium is taken. No Flowering Plants allowed as premiums.

These premiums cost you nothing. We give them to you free, to show you that we appreciate your orders. If your order is not large enough to get the premiums you want, get your neighbor to send with you—the premiums are worth the trouble.

We pay one cent (in seeds) per name for good addresses. See back of Order Sheet. The above premiums cancel all former offers.

Will H. Tracy, Jr.



OUR PORTLAND STORE. *Not very high, but we "cover the ground."*

FOREWORD

EACH year it has been our pleasure to greet our many friends through our General Catalog, and we again take this opportunity to express our sincere thanks for the substantial appreciation of our efforts, as shown by the flattering increase in our business, necessitating a complete change in our store-room and the removal of our office to more commodious quarters in another part of our building. Our floor space of almost two acres has been entirely rearranged, and our packing and shipping facilities greatly increased. We have installed additional cleaning machinery of the most modern type in our warehouse in East Portland and with our unequalled equipment and thorough organization in every department we are in a better position than ever before to handle all orders in a prompt and satisfactory manner.

In this catalog the descriptions and illustrations we have prepared to aid you in your selections are as accurate and truthful as can be portrayed on paper. We strive to present as perfect a description as possible, free from all exaggeration, and we assure you that you will not be disappointed in trusting us with your orders, as they will have the careful attention of our experienced order clerks, and in many instances the results will be more satisfactory than your own selection. If, however, through any error or wrong interpretation of your instructions you are disappointed, do not hesitate to inform us at once. We have pleased others, as shown by the many unsolicited letters from satisfied customers, and we know we can please you. We solicit your patronage, and are at your service.

PORTLAND SEED COMPANY.

PORTLAND STORE
S. E. COR. FRONT AND YAMHILL STS.

SPOKANE STORE
906-910 FIRST STREET.

FOR YOUR GUIDANCE—READ CAREFULLY

HOW TO SEND MONEY. Remittances should be made by Post Office or Express Money Order, Bank Draft or Registered Letter. Postage Stamps will be received for small amounts. Remittances in any other way are entirely at sender's risk.

HOW TO ORDER. Please use the order sheets found in the front part of every Catalog, carefully filling out the blank spaces at the top for shipping directions.

BE SURE TO SIGN YOUR NAME, and give Post-office and State, and, then to avoid mistakes, do not write letters on the same sheet as orders.

SEEDS POSTPAID BY MAIL. We send all vegetable and flower seeds in quantities of one pound or less by mail, postpaid, to any Postoffice in the United States, at the prices named in this Catalog, unless otherwise stated.

BY FREIGHT OR EXPRESS. In ordering vegetable or flower seeds to be sent by freight or express at your expense, deduct 10c per pound from single pound prices, where postage has been added.

PREPAY STATIONS. When you send in orders to go by freight or express, be sure that you add money enough to pay freight charges if your station is a prepay, which is always the case where there is no regular agent.

WHEN TO ORDER. New goods are all in, and we are prepared to fill orders as soon as this Catalog reaches you. Send in your combined orders for seeds, plants, supplies, etc., at once, and if you do not want all sent now we will send part now and the balance later. The advantage of this is that your order is entered and filled, or stock reserved for it; and when you do want it, it can be sent upon notice without delay. If you want part or all of your order held, state it distinctly with date when shipment is to be made. All orders for potatoes, plants, and other perishable goods are carefully booked on receipt, and filled in rotation as soon as weather permits. If shipped early, they are at buyer's risk.

LARGE ORDERS. Any dealer, market gardener, institution or individual wishing seed in larger quantities, is requested to mail us a list of what is wanted, and we will promptly return it with the very lowest market prices. A letter of inquiry may save you dollars if you want to buy in quantity.

COMPLAINTS OR PRAISES. If you are well pleased with our goods, and manner of doing business, tell everyone. If you are not, tell us, so we can please you. Our best efforts will be put forth in filling all orders carefully, and with our added equipment and perfected organization we hope to handle our future business in a way that will please you. Be sure to order early—before stocks are depleted.

We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association; i. e.:—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.—Portland Seed Co.

Vegetable Seed Department

ASPARAGUS

Asparagus is one of the earliest spring vegetables, and would be in universal use were it not for the mistaken idea that it is difficult to grow. In reality it can be produced very easily and cheaply. A bed 15x50 feet, requiring about 100 plants, should give an abundant supply for an ordinary family.

CULTURE—Soak the seeds 24 hours in warm water, and sow early in drills one foot apart. An ounce of seed will sow about 300 feet of drill. Keep the soil mellow and free from weeds. After one year's growth, transplant into permanent beds. A warm, sandy soil is the best, and one which has for some years been cultivated in garden crops and heavily manured is greatly to be preferred to a fresh soil. But at no period of its growth should the asparagus crop be allowed to lack for manuring. From one to three years' time can be saved by buying roots of us. For roots, see page 78. 7260 roots will plant an acre.

CONNOVER'S COLOSSAL.

A large and rapid grower of excellent quality.
Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

COLUMBIAN MAMMOTH WHITE.

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

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c

PALMETTO.

This is claimed to be an earlier, better yielder and more even grower than Colossal.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 65c.

ASPARAGUS CULTURE.

We have several good books on this subject. See Book List, p. 48.

ARTICHOKE

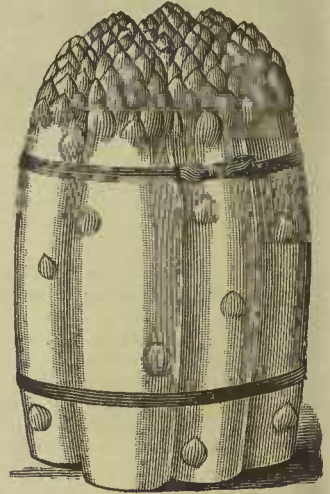
LARGE GREEN GLOBE.

The variety used as a table vegetable. The edible portion is the thick end of the leaf of the flower head. Sow early in drills one foot apart, and when about 10 inches high transplant into rows four feet apart each way. It will produce only a small crop the first year, but will continue in good bearing five years. Cut before the bud opens.

Pkt., 5c.; oz., 35c.

ARTICHOKE TUBERÉ.

For prices and description of this valuable feed root, see Farm and Field Seeds, page 52.



ASPARAGUS.

(Cut and bunched.)

BEANS

DWARF OR BUSH

CULTURE—The soil best adapted for growing Beans is a light, rich, well-drained loam, which was well manured for the previous crop. If the ground is too freshly manured, the plants are apt to run to vines and set few blossoms. Plant in drills about two inches deep and from 18 inches to two feet apart, as soon as the ground is dry enough. Beans are very sensitive to cold and wet before they have sprouted, but are not so liable to be damaged after they are above ground.

Wax or Yellow Podded Kinds

When ordering Beans by mail, add 10c per pound for postage.

Violet Flageolet or Perfection Wax

One of the earliest wax varieties, and continues in bearing until late fall. It is of sturdy habit, bearing its fine, large stringless pods in great profusion well up from the ground. We recommend it as the best Wax Bean for home gardens. Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.75.

Davis Wax

A handsome, white-seeded, wax variety, which is becoming more popular each year.

It is a rustless and immensely productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up off the ground.

It is one of the best for market gardeners because of its hardiness, productiveness, handsome appearance, good shipping and selling qualities and the small proportion of waste and second quality pods. Cannons say: "It is just what we want, a long, straight, clear white pod, which does not discolor in canning."

The dried bean is kidney-shaped, clear white, and a favorite for baking and canning.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.



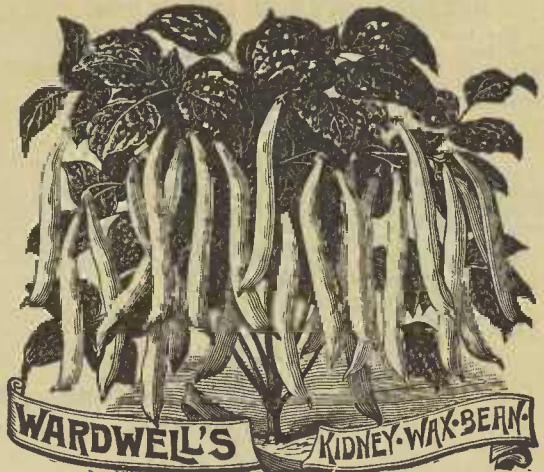
VIOLET FLAGEOLET WAX.

GARDENERS WHO BUY BEANS IN LARGE QUANTITIES SHOULD WRITE FOR SPECIAL PRICES.

WAX BEANS—Continued

Wardwell's Kidney Wax

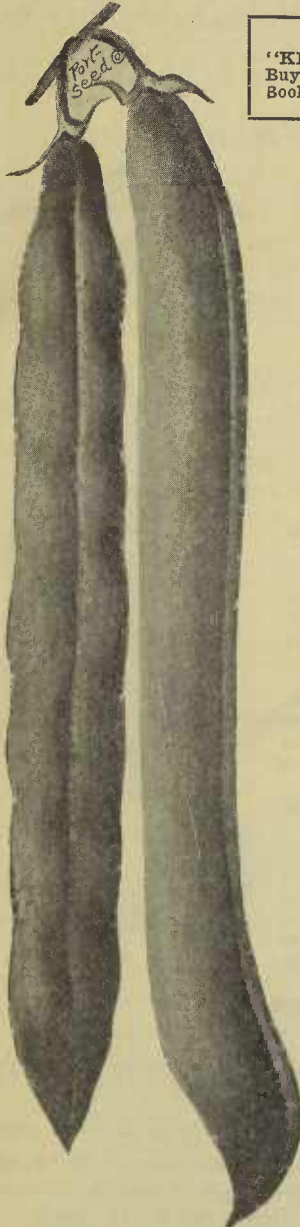
A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax-like pods. Vines are of medium size, with long, flat pods of a delicate, waxy yellow, very brittle and entirely stringless. We specially recommend this bean.
Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



Extra Early Challenge Black Wax

Extremely early, about a week in advance of any other wax variety, and considered one of the most desirable for first crop.

Market gardeners and others to whom earliness is a matter of prime importance cannot afford to be without this, which is truly the "earliest of all" wax beans. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



Would you
"KNOW BEANS?"
Buy a good Garden
Book. See page 48.

Golden Wax

One of the best known varieties in general cultivation and few of the newer sorts excel it. Vines medium size, erect, moderately spreading. Very hardy and productive, with small, smooth leaves and small, white blossoms.
Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

DETROIT WAX (Rust Proof).

One of the best for shipping long distances.

Better in some respects than other wax varieties. Is not likely to rust, even when exposed to very wet weather. Pods flat, good length and very broad. Its quality of keeping fresh and crisp a long time after being picked makes it valuable for shipping long distances. It is extra early; quality in the pod all that can be desired, and also excellent green shelled.
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

FROM THOSE WHO KNOW

Washougal, Wash., February 3, 1908.
Portland Seed Company, Portland, Oregon.
Sirs: Please send me your catalog for 1908. We could not do without it, and have good success always with your seeds. Yours truly,
MRS. C. E. CORYELL.

The Dalles, Oregon, February 20, 1908.
Portland Seed Company, Portland, Oregon.
Gentlemen: I received the order of seeds all right. I am well pleased with them. You sent a whole lot more than I expected. I am more than pleased with them. Yours respectfully,
R. D. I. I. V. HOWLAND.

Dwarf Bush—Green Podded Kinds

If ordering Beans by mail, add 10c. per pound for postage.

NEW STRINGLESS.

One of the best stringless, green pod bush beans in cultivation; surpasses all others in crispness, tenderness and flavor.

The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than any other green podded bean. The Stringless Green Pod will supply a long-felt want. It is of immense value, not only to the market gardener, but also for those who seek early beans of a rare quality for the home table.
Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Extra Early Red Valentine

IMPROVED ROUND POD.

Is of healthy, vigorous growth, and has no superior in any respect among the green-podded beans. The pods are round, very fleshy, tender, rich and quite stringless. The bean is rather small, and when ripe usually irregular in form and red in color. Considered a very fine bean for canning green.
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

EXTRA EARLY REFUGEE.

Said to be the earliest green-podded variety; fit for the table two weeks in advance of the old Refugee, and retaining all the good qualities of that standard sort.
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

EARLY LONG YELLOW SIX WEEKS.

Hardy standard variety; pods six inches long and one-half inch wide; light green in color; vine vigorous and productive.
Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

NEW STRINGLESS.

PORTLAND SEED COMPANY'S

BUSH BEANS, GREEN PODDED—Continued**REFUGEE, OR THOUSAND TO ONE.**

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

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.10.

DWARF HORTICULTURAL.

Stock erect, strong and shrubby. The bean is highly prized, green shelled, being preferred by some to the Lima. It is rather large, plump, and beautifully mottled yellow and red.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

ROYAL WHITE KIDNEY.

This 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.; lb., 15c.; 10 lbs., \$1.20.

BROAD WINDSOR.

Stock erect, strong and shrubby. The bean is large, broad and flat; it is best green shelled.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

CANADIAN WONDER.

Pods are 10 to 12 inches long and produced in great abundance; fine green shelled.

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

CASTOR BEAN.

Used for medicinal purposes and by some claimed to keep moles away.

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

WHITE NAVY.

Grown extensively for marketing dry shelled. This is probably the most popular and best known small white bean. Dwarf in growth and very productive.

Pkt., 10c.; lb., 15c.; 10 lbs., 80c.

Climbing or Pole Beans

If ordering by mail, add 10c. per pound for postage.

Asparagus

This is the true Asparagus Bean. A very prolific sort, producing its long pods in large clusters. The pods, when young, are nearly round, of best flavor and excellent for snaps. A profitable bean for the market gardener. Extensively used for canning.

Pkt., 10c.; lb., 25c.; 10 lbs., \$2.00.

INDIAN CHIEF, OR TALL BLACK WAX.

Remarkable for its fine, tender and succulent pods, which are produced in great abundance.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

KENTUCKY WONDER.

A vigorous climber; very prolific; bearing in clusters; extremely long and very fleshy; succulent pods, round, thick and remarkably tender. A first-class pole variety.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

DUTCH CASE KNIFE.

Good corn hill bean; very early; pods long and flat; beans, white; used green or dry.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

WHITE CREASE BACK.

A good, early, green-podded pole bean.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

SCARLET RUNNER.

A favorite as a shell bean and for its flowers, which are bright scarlet; seeds broad and kidney shaped.

Pkt., 10c.; lb., 30c.

LAZY WIFE.

Pods are from four to five inches in length, produced in large clusters in great abundance. Dark green, thick, fleshy and stringless; of unusually rich flavor. Dry beans pure white; excellent for winter use.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

LONDON HORTICULTURAL.

Very desirable for the family garden. Vines vigorous; pods green, streaked with red. Bean large, oval, cream colored, beautifully splashed with red, and has no superior, green shelled or dry.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

Lima Beans**BURPEE'S BUSH LIMA.**

Beans as large and as fine in quality as the pole varieties. It is also a heavy yielder.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

LARGE WHITE POLE LIMA.

Vine tall growing; pods long, broad, very thin, dark green; beans large, ovoid, kidney-shaped, greenish-white, flat.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

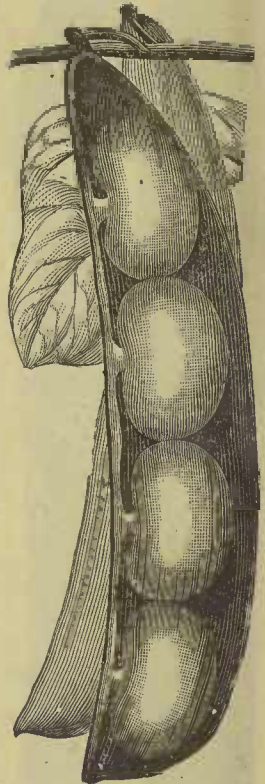
"TRIED AND TRUE"

Coburg, Oregon, January 18, 1908

Portland Seed Company, Portland, Oregon.

Gentlemen: We have always used your seeds for several years, and find them to be the best. Yours truly,

MRS. S. P. SPORES.



LIMA BEAN.



KENTUCKY WONDER.

BEET

CULTURE—The Beet is hardy and may be planted as soon as the ground can be well prepared, doing best in rich, sandy soil, sown in rows sixteen inches apart, covered one and one-half inches deep. The seed will sprout better if soaked twenty-four hours in warm water before planting. Thin out by using the largest ones when they are of sufficient size, continuing until they are six or eight inches apart in the rows. For field crop, the rows should be far enough apart to permit the use of a horse cultivator.

Early Eclipse

This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of uniform, globular shape. The roots are a bright, glossy red, fine-grained and delicious, with none of that earthy flavor so objectionable in many varieties. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

P. S. Co.'s Market Gardener

This new, extra early Beet is remarkable for its fine quality and rapid growth; it is of deep red color and handsome shape; as an early market sort it is unrivaled. It is to a large extent superseding the Egyptian, being earlier in development, more attractive in appearance and of superior quality for the table. Market gardeners prefer it. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

Detroit Dark Red Turnip

A fine beet for bunching for market; tops exceptionally small and uniformly upright. The roots are perfect turnip-shape, with small tap-roots. One of the deepest red beets. Quality is of the very best; sweet and tender; best beet for home gardens. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Improved Early Blood Turnip

An extra selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature. Excellent for summer and autumn use. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.



Portland Seed Co.'s Market Gardener.

Our
Seeds Grow
True
to Name



DETROIT DARK RED.

Extra Early Egyptian

By many considered the best variety for forcing and is liked best by many market gardeners for the first early crop, being very early, with small tops. Roots very dark red, rounded on top, but flat beneath, with very small tap roots. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

Half Long Blood

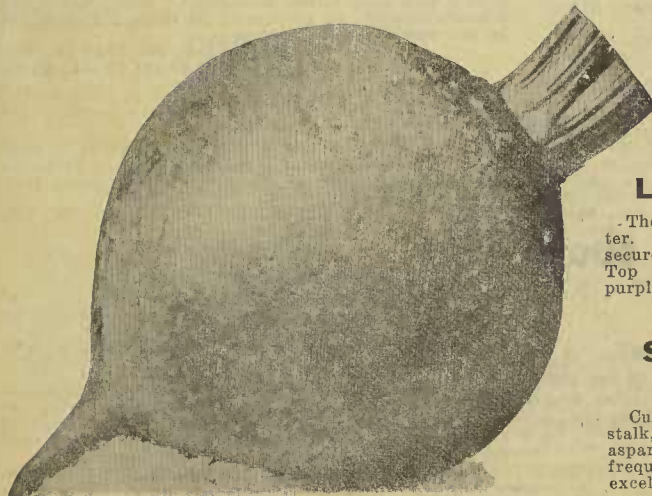
A new variety of excellent quality. One of the very best for winter use; does not become woody and keeps equally as well as the Long Dark Blood. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties. We advise our customers to give it a trial. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Long Smooth Dark Blood

The leading late variety, keeping well all winter. Should be planted in rich, warm soil to secure rapid growth, which makes them tender. Top small, root long and smooth. Flesh deep purple, fine and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

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 reappear and make excellent greens, taking the place of spinach. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

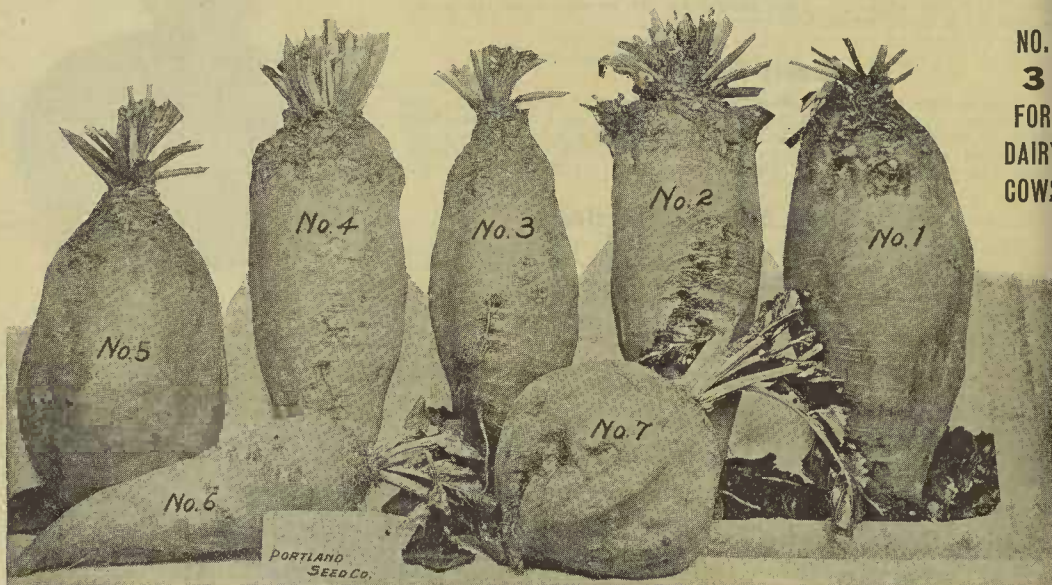


PORTLAND SEED CO.'S EARLY ECLIPSE.

SEE OUR
Free
Premiums
INSIDE
COVER

PORTLAND SEED COMPANY'S
MANGEL WURZEL BEET

These are grown extensively for stock feeding, and afford large quantities of fresh, nutritious and wholesome food during the winter months, in connection with grain and dried forage. Sugar Beets are richer and sweeter than Mangels, but the latter will generally produce one-third to one-half heavier crops per acre, and hence are preferred by many farmers.



NO.
3
FOR
DAIRY
COWS

FAVORITE BEETS FOR STOCK FEEDING (from Photograph).

See cut numbers and description.

New Mangel Half Sugar

(Cut No. 4.)

A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been much improved until it yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet. Roots large, very smooth, with few rootlets; creamy white in color, with medium sized top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c. Not postpaid, lb., 35c.; 5 lbs., \$1.50.

MAMMOTH LONG RED.

(Cut No. 2.)

An improvement on the Long Red. It stands head and shoulders above all other varieties of Mangels; unequalled for yielding and feeding qualities. Grows to a very large size, and will yield 50 tons per acre with ordinary cultivation. If you want a large crop of large Mangels of good quality, don't fail to try this sort. Very uniform, smooth and of good shape. Should be grown in deep, loose soil. Pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

YELLOW GLOBE.

(Cut No. 7.)

Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained, renders it an excellent keeping variety. Well adapted to shallow soils. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

SUGAR BEET

FRENCH WHITE SUGAR.

(Cut No. 6.)

The sort most generally grown, as it combines, with heavy yield, a good percentage of sugar. It has produced 30 tons of beets to the acre, and contains from 10 to 13 per cent of sugar. The largest yields known have been obtained from this variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

YELLOW GIANT, INTERMEDIATE, LEVIATHAN, OR GATE POST.

(Cut No. 1.)

Roots very large, growing over one-half out of the ground; flesh white, sweet and tender; tops, bright green, comparatively small; neck small, short. We think perhaps this is the best of the yellow flesh beets, because its fine flesh never becomes woody and its roots grow so well out of the ground that the crop is easily harvested. An enormous cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

GOLDEN TANKARD.

(Cut No. 3.)

Fine for dairy farming. Considered indispensable by many dairy farmers. They state that they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper; on account of its shape the roots can be left standing close in rows. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c. Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

YELLOW OVOID.

(Cut No. 5.)

Similar to the Yellow Globe, but grows to a much larger size, and more of a half-long shape. Yields an enormous crop. One of the most desirable stock feeding Mangels. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

LANE'S IMPERIAL SUGAR.

This is an excellent variety and one of the best for stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

KLEIN WANZLEBEN.

This is the variety which is considered best in Germany for producing sugar, and 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 will give the very best results. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

Any of our Sugar Beets in 10-lb. lots at 25c. per pound, purchaser to pay express or freight charges.

BROCCOLI

Broccoli is very much like Cauliflower in general appearance and growth, but is hardier and will stand more cold and frost. Produces fine heads from late in the fall until early spring, according to time plants are set out. It is a very profitable crop and is now being planted extensively. Culture same as for Cauliflower.

St. Valentine

The Finest of All Broccolis.

This grand new strain introduced by us is a sure header of immense size and finest quality, and is ready for market in February. The large, solid, handsome, white heads remain in good condition longer than other varieties. Pkt., 15c.; $\frac{1}{4}$ oz., 75c.; 1 oz., \$2.50.



ST. VALENTINE BROCCOLI—NEW.

LARGE WHITE FRE JOH.

A valuable variety, with large, white heads, firm and of good flavor.

Pkt., 5c.; oz., 40c.; 2 oz., 75c.; $\frac{1}{4}$ lb., \$1.25.

EARLY PURPLE CAPE.

A popular sort; hardy; heads well. The heads are large, of a brownish tint and excellent flavor. Pkt., 5c.; oz., 35c.; 2 oz., 65c.; $\frac{1}{4}$ lb., \$1.15.

BRUSSELS SPROUTS

The plants, which are very hardy, grow two or three feet high, and produce, from the sides of the stalk, numerous little sprouts, which resemble very small cabbages, one or two inches in diameter. The leaves should be broken down in the fall, to give the little heads more room to grow. They should be treated in all respects like winter cabbage or kale.

DWARF IMPROVED.

A carefully grown strain, very hardy, and giving compact, round sprouts of large size and good quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.



BRUSSELS SPROUTS.



CORN SALAD.

CORN SALAD

FETTICUS, OR LAMB'S LETTUCE.

A refreshing salad, used extensively in winter and spring as a substitute for lettuce. It is often cooked like spinach. Sow in drills, one foot apart, in the spring or fall. On the approach of cold weather cover over with straw or coarse litter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CHERVIL

CURLED.

This plant is used for flavoring soups and salads, and has a strong perfume. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.

COLLARDS

TRUE GEORGIA.

Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.

CHIVES

For Vegetable Plant List, see Index.



WATER CRESS.

CRESS

CURLED, OR PEPPER GRASS.

This salad is much used with lettuce, to which its warm, pungent taste makes an agreeable addition. The seed should be sown in drills about 16 inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession. Keep off insects by dusting with Pyrethrum Powder. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

TRUE WATER.

This is quite distinct from the former, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams, and the plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

CABBAGE

CULTURE—The requisites for complete success are: First—Good seed. There is no other vegetable where the seed has so much influence on the quality of the product, and gardeners should always use the best procurable. Second—Rich, well prepared ground. Third—Frequent and thorough cultivation. A heavy, moist and rich loam is most suitable, which should be highly manured and worked deeply. Cabbage is universally grown, and specific directions regarding the time and method of planting applicable to all localities cannot be given. In general, the early sorts should be sown very early in hot beds, hardened off by gradually exposing them to night air, and as early as the ground is in good condition transplanted, setting 18 to 36 inches apart, according to size of variety.

The late autumn and winter varieties may be sown from the middle to the last of spring and transplanted when four to six inches high. Shade and water the late sowings in dry weather to get them up. It is important that the plants should not be crowded in the seed bed, or they will run up weak and slender, and be likely to make long stems.

Portland Seed Co.'s First Crop

The Ideal Early Cabbage.

This grand, new cabbage, which we offered last season for the first time, is distinct from any other on the market. It is the earliest of all pointed varieties and an ideal sort for the private or market gardener, as it takes but little room, and produces fine, solid heads ten days ahead of any other cabbage. We advise all our customers to try this new variety, for we believe it is a sterling novelty of the greatest value. (See cut.) — Pkt., 15c.; oz., 30c.; ¼ lb., 90c.

EXTRA EARLY EXPRESS.

Produces medium-sized, pointed heads, in 80 to 85 days from sowing of seed. Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 55c.; lb., \$1.75.

EARLY YORK.

Small, but very early; very popular sort. Can be planted close together. Pkt., 5c.; oz., 20c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.50.



P. S. CO.'S FIRST CROP (From Photograph).

Early Jersey Wakefield

The favorite Early Cabbage with our market gardeners. A sure header. The thick, stout leaves and compact habit make it the best for wintering over and very early setting.

Stands today in an exalted position among early cabbages. It is grown more exclusively for market than any other early cabbage. It is always of good size, very solid, and has but few outside leaves; a reliable header and always gives good satisfaction. Pkt., 5c.; oz., 25c.; 2 oz., 40c.; ¼ lb., 60c.; ½ lb., \$1.00; lb., \$1.75.

EARLY WINNIGSTADT.

A desirable variety, having conical, solid heads; a sure header under almost any conditions, and keeps better than most early varieties. Fine appearance and of excellent quality. Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; 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; 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.; oz., 20c.; 2 oz., 35c.; ¼ lb., 65c.; lb., \$2.00.

Early Spring

The Earliest Flat-Headed Variety.

A wonderfully compact plant, with few outer leaves, so that a great number of fine, solid heads can be produced on an acre. Although it does not come to full maturity as early as Jersey Wakefield, it becomes solid enough for use about as early, and is by far the best early sort for those markets that demand a large round or flat cabbage. The plant is vigorous, with short stem. The heads are oval and very large for the size of the plant. Pkt., 5c.; oz., 25c.; ¼ lb., 65c.; lb., \$2.00.



EARLY JERSEY WAKEFIELD.

WELL-KNOWN AND POPULAR EARLY VARIETIES.

	Pkt.	Oz.	2 oz.	¼ lb.	Lb.
Early Dwarf Flat Dutch. Grows low on the stem; a sure header; firm, fine-grained, tender and excellent.	5c.	20c.	30c.	50c.	\$1.60
Early Drumhead. Heads slightly flattened; do not crack; keep well.	5c.	20c.	30c.	50c.	\$1.60
Fottler's Improved Brunswick. The best Early Drumhead in the market.	5c.	20c.	35c.	55c.	\$1.75
Sure Head. Sure to head; compact; medium to large.	5c.	20c.	35c.	60c.	\$1.75
Succession, or All Seasons. Heads, large, slightly flattened; grow low on the stem.	5c.	20c.	35c.	60c.	\$1.75
Charleston, or Large Wakefield. Large and a little later than the Early Jersey Wakefield.	5c.	20c.	35c.	60c.	\$1.75

CABBAGE—Continued
LATE OR FALL SORTS

Hollander or Danish Ball Head

This is one of the hardiest cabbages in cultivation and endures both frost and drouth that would destroy other varieties.

Plants rather long-stemmed, but compact; leaves very smooth, but thick; head, of medium size, round and very solid, being the hardest heading cabbage we know of, and of the very best quality. Matures quite late, keeps well, and is considered by many the best cabbage to hold over for spring markets.

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



P. S. CO.'S DANISH BALL HEAD.



PREMIUM FLAT DUTCH.

Premium Late Flat Dutch

This is superior to any other late cabbage in cultivation, when large areas are planted for shipping. It possesses all the good qualities of the Late Flat Dutch, and is a sure header.

Pkt., 5c.; oz., 20c.; ¼ lb., 55c.; lb., \$1.60.

Autumn King or World Beater

A sure header, very solid, fine-grained and tender. It grows quicker than any other large cabbage and will produce more to the acre. Color, dark green, with a slight bronze or brownish tinge to the outer leaves. The heads are remarkably thick through, and will attain a great weight. Has a short stem and grows near the ground.

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



AUTUMN KING OR WORLD BEATER.

THREE YEARS

Wren, Oregon, February 7, 1908.

Portland Seed Company, Portland, Oregon.

Gentlemen: This is the third season that I have sent for seeds, and they give the very best satisfaction. I had some Early Cabbage last year and gave my friends some plants, also, and they said it was the best they ever had.

Yours truly,

F. A. PLUNKETT.

CABBAGE PLANTS

From November 1 to following August we aim to have on hand large quantities of Cabbage Plants. See page 78.

WELL-KNOWN AND POPULAR LATE VARIETIES.

	Pkt.	Oz.	2 oz.	¼ lb.	Lb.
Premium Late Drumhead. Has no superior in any respect for family and market purposes, either for medium, early or late crop.....	5c.	20c.	35c.	55c.	\$1.75
Mammoth Rock Red. Used for pickling. The heads are very fine and remarkably sure heading	5c.	20c.	35c.	55c.	\$1.75
Stone Mason Marblehead. Large variety, sure to head; fine-grained, tender, sweet and delicious	5c.	20c.	35c.	55c.	\$1.75
Marblehead Mammoth Drumhead. The largest variety known; hardy; good keeper, but coarse	5c.	20c.	35c.	55c.	\$1.75
Improved American or Nettet Savoy. Adapted for private use where quality, rather than quantity is desired.....	5c.	20c.	35c.	55c.	\$1.75
Drumhead Savoy. Large, compact head; tender and excellent; rich flavor...	5c.	20c.	35c.	55c.	\$1.75

GET A MASTERS PLANT SETTER. Pays for itself in one day. You can set and water 10,000 plants a day.

CARROT

CULTURE—A sandy loam is the best soil for the carrot, but any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early in the spring as the ground is fit to work, though good crops may be grown from sowing as late as June 15. For table use, sow the smaller kinds in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see to it that the soil is well firmed above the seed.

McMinnville, Oregon, January 28, 1908.

Portland Seed Company, Portland, Oregon.

Gentlemen: The seeds that I bought from you last year proved perfect and good. Your large White Belgian Carrot was a dandy. Yours truly,
HENRY O. MILLER,
Box 142.

5-lb. lots of
one kind car-
rot 5c less
per lb.



EARLIEST SHORT HORN, OR FRENCH.

The earliest variety in cultivation, and best suited for forcing. Roots, reddish brown, globular and about 2 inches in diameter; should be used before full grown.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

EARLY SCARLET HORN.

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

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.

Danver's Half Long

Grown largely on account of its productiveness and adaptability to all classes of soil. Tops, medium sized, coarsely divided. The smooth, handsome roots are orange of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender; deep orange in color. Although the roots of this variety are short, they produce as large bulk as the longer field sorts, and are more easily harvested.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

Oxheart

A thick carrot, five or six inches long and very blunt at the lower extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

IMPROVED SHORT WHITE.

Ranks as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor.

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

LARGE WHITE BELGIAN.

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

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

YELLOW BELGIAN.

Large root; yellow flesh; good keeper for late feeding.

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

PORTLAND SEED CO.'S IMPROVED LONG ORANGE.

Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored roots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock.

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



Chantenay

The Market Gardener's Favorite.

Tops, medium sized; necks, small; roots, tapering slightly, but uniformly stump-rooted and smooth; color, deep orange red; flesh, very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any; is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort.

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

GOOD AND PRODUCTIVE STOCK CARROTS

Yellow Giant

PORTLAND SEED CO.'S

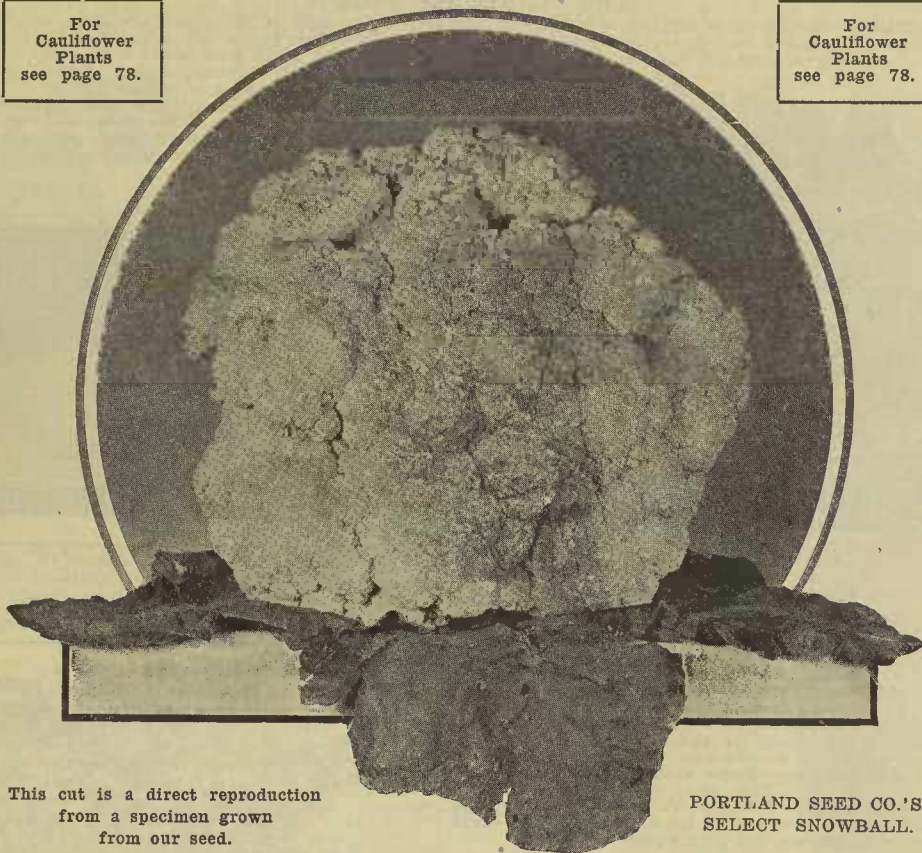
This new Carrot originated at the Sydney, Australia, Experimental Station, and has proved itself to be the earliest and most productive stock carrot yet produced. It is a half long variety, with an immense broad shoulder. The Carrot penetrates less than one-half the depth into the ground, which saves about one-half the expense of harvesting the crop. The color is a bright yellow, and is perfection itself for giving the proper color to butter. Every dairyman who wants a big crop of carrots of the right quality and easy of culture should plant our Yellow Giant.

Pkt., 5s.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.

CAULIFLOWER

For
Cauliflower
Plants
see page 78.

For
Cauliflower
Plants
see page 78.



This cut is a direct reproduction
from a specimen grown
from our seed.

PORTLAND SEED CO.'S
SELECT SNOWBALL.

CULTURE—The Cauliflower succeeds well in any soil where cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hot bed in February or March, or later in a cold frame, fine heads can be obtained quite early. For a later supply sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about two and a half feet apart and eighteen inches between the plants. Transplanting should be done in moist weather. In dry seasons the crop must be watered.

CAULIFLOWER SEED.

Don't buy the cheap strains of Cauliflower Seed offered by many seed houses, if you want to raise those handsome, white heads. We would rather have one dozen plants from selected strains than one hundred from the ordinary. There is no finer seed grown than our Mt. Hood Snowball. Liberal applications of Nitrate of Soda and Kanit in cauliflower culture are of great service.

Selected Extra Early Dwarf Erfurt

Remarkable for reliability in heading. Very dwarf, with solid, pure white heads of superior quality. If planted the first of March, heads nine to twelve inches in diameter will be ready early in June.

Pkt., 10c.; $\frac{1}{4}$ oz., 65c.; oz., \$2.00.

EARLY ERFURT.

Ordinary strain. Pkt., 5c.; oz., 85c.; $\frac{1}{4}$ lb., \$3.00.

Large Algiers

A valuable late sort, sure to head, of the best quality and very popular with market gardeners everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure, uninjured, a frost that would ruin other sorts. One of the very best of the late varieties.

Pkt., 5c.; oz., 80c.; 2 oz., \$1.50; $\frac{1}{4}$ lb., \$2.50.

VEITCH'S AUTUMN GIANT.

The heads are white, large, compact and thoroughly protected by foliage.

Pkt., 5c.; oz., 60c.; 2 oz., \$1.00; $\frac{1}{4}$ lb., \$1.75.

P. S. Co.'s Mt. Hood Brand Early Snowball

(See Cut.)

We have at last succeeded in obtaining a grand, new strain of Snowball Cauliflower, which we shall put up in sealed packages only, under our own label. This strain is grown for us by one of the few expert cauliflower growers, and is the result of a series of experiments which has brought this seed up to the highest state of perfection. This seed will produce those handsome, large, solid, white heads that always bring the gardener big profits. We recommend this for both early and late planting. Put up in sealed packages only.

Pkt., 25c.; $\frac{1}{2}$ oz., \$2.00; oz., \$3.50.

EARLY SNOWBALL.

Ordinary strain. Pkt., 5c.; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

EARLY PARIS.

A popular early sort. The heads are large, white, tender and excellent. Early and compact grower.

Pkt., 5c.; oz., 85c.; 2 oz., \$1.40; $\frac{1}{4}$ lb., \$2.50.

BETTER THAN THE REST

New Era, Oregon, March 11, 1908.
Portland Seed Co., Portland, Oregon.

Gentlemen: We were well pleased with the seeds we bought of you last year. Had the finest Cabbage and Cauliflower in the neighborhood. Very respectfully yours,

MRS. NEWT. CRITESER.

CELERY

FOR PLANTS SEE PAGE 78.

CULTURE—Sow the seeds early, in a hot-bed or cold frame. As soon as the plants are three inches high, transplant in a prepared border, setting them four inches apart. When grown six inches, and fine, stocky plants, set in richly manured, deep soil, in rows three and a half feet apart and about nine inches from plant to plant.

Water, if dry weather follows transplanting. During the next two months all the attention that is required is to keep down the weeds. Afterwards, earth up a little, and continue doing so at intervals until only the tops of the leaves are visible late in the autumn. Never hoe up the earth when plants are wet. One ounce of seed produces about six thousand plants.



NEW CELERY, SNOW WHITE

Snow White—New

The Handsomest White Celery.

This new celery is a pure white, self-blanching variety, recently introduced, after years of careful selection and improvement. It is without a rival in purity of color. In vigor of growth, ease of blanching, size, richness of flavor, crispness and purity, it is ideal. Our engraving gives some idea of the beauty of this variety. Single stalks sometimes weigh 2½ pounds each. It grows solid on all kinds of soil and keeps better than many standard varieties.

Pkt., 10c.; oz., 40c.; ¼ lb., \$1.25.

One grower reports: "Snow White is the finest celery of the white type I ever saw. I set 3,000 plants and found only one stalk that was not pure white."

Winter Queen—New

This is without doubt the most valuable variety of celery for winter and spring use ever introduced. Has double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp and having a delicious nutty flavor.

It has the strong, robust growth of the Giant Pascal, but the plants, being of only medium height, are of better length for bunching for market, as well as more desirable for serving on the table. Its compact habit makes considerably less labor necessary in earthing up the plants to blanch, and the rows can be planted close together. Stored for winter or spring use, it is an excellent keeper, and when taken out the blanched stalks will be firm and crisp; entirely free from strings; brittle and of sweet flavor.

Pkt., 10c.; oz., 35c.; 2 oz., 65c.; ¼ lb., \$1.00.

White Plume

The Leading White Celery.

A handsome, crisp sort, of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest celery known.

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

Golden Yellow Self-Blanching

This is no doubt the best celery for early market use. Plants of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier.

Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.



GOLDEN YELLOW SELF-BLANCHING

WELL-KNOWN AND POPULAR SORTS.

	Pkt.	Oz.	¼ Lb.	Lb.
Large White Solid. Of vigorous growth, white, crisp, tender; fine, nutty flavor.	5c.	20c.	60c.	\$1.75
Giant Pascal. Largest variety grown; of fine, nutty flavor; very easily blanched.	5c.	20c.	60c.	1.75
Golden Heart, or Golden Dwarf. Solid; of fine, nutty flavor; excellent	5c.	15c.	45c.	1.50
Dwarf White Solid. Keeps in good condition later than any other variety.	5c.	20c.	60c.	1.75
Pink Plume. The same as White Plume except in color	5c.	20c.	60c.	2.00
Celery Seed. For flavoring	10c.	15c.		0.35

WE CAN SUPPLY CELERY AND OTHER VEGETABLE PLANTS IN ANY QUANTITY. SEE PAGE 78.

Newburg, Oregon, January 17, 1908.
Portland Seed Company, Portland, Ore.
Gentlemen: We find no other Celery equal to your Snow White. Yours truly,
A. NEWBY.

CUCUMBERS

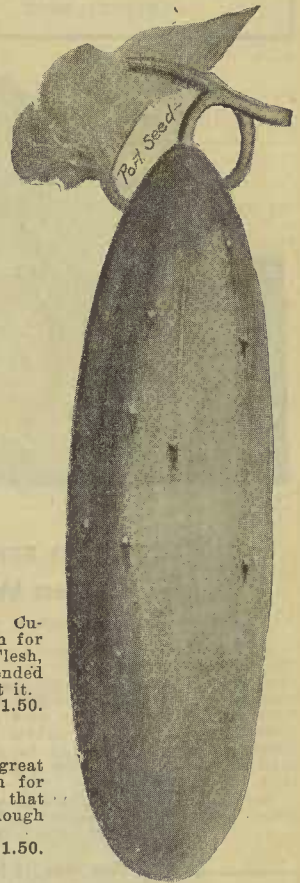
CULTURE—Cucumbers need a warm, sandy soil, and should not be planted in open ground until the weather is settled and warm, as otherwise they will not thrive. Plant in hills four feet apart each way, thinning to three or four of the strongest plants, after danger from insects is passed. As fast as the cucumbers attain suitable size they should be taken from the vine, whether required for use or not, as their ripening soon destroys the vine's usefulness.



CUMBERLAND PICKLING.



BOSTON PICKLING.



IDEAL WHITE SPINE.

Use Bug Death on all vine plants; non-poisonous, efficient. See page 82.

P. S. Co.'s Ideal White Spine

This is without exception the most uniform and symmetrical White Spine Cucumber offered to date. Special care has been given to make this an ideal strain for slicing. Color, a beautiful bright green. It is early, long, smooth and shapely. Flesh, crisp, tender and excellent flavor. A very productive variety; highly recommended for gardeners and home use. Try this grand new strain and you will always plant it.

Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Boston Pickling or Green Prolific

A distinct variety, very popular for pickles. Color, bright green, and a great producer. The fruit averages four to five inches in length when large enough for slicing, and are of excellent quality; but it is for producing medium sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough the vines will continue bearing through a long season.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

Best Long Green

The leading large variety. Fruit from ten to twelve inches long, dark green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles. We offer the "Best Strain" that will grow long and uniform in shape.

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

SHORT GREEN OR EARLY FRAME.

An excellent sort for both table use and pickling. Plants very vigorous and productive. Fruit straight, handsome, small at each end, bright green, lighter at the blossom end, with crisp, tender flesh, and makes excellent pickles. Comes into use a little later than the Early Cluster and keeps green a long time.

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

EARLY RUSSIAN.

Earliest and hardiest. Very vigorous and productive. Fruit three to four inches long, thick, oval, pointed at each end, and covered with fine, small spines.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.

EARLY CLUSTER.

Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. A very productive sort.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

GHERKIN FOR PICKLING.

A very small, oval, prickly variety, quite distinct from all others.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.

Cumberland Pickling

The vines are hardy, strong, and fruit very freely. The young cucumbers are thickly set with small spines, and are equally attractive for making small, medium-sized or large pickles. The straight young fruits possess the distinctly roughened surface so much desired for small pickles. The large fruits average nine to ten inches in length, two and a half inches in diameter, with full rounded ends, and are of good quality for slicing.

Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Japanese Climbing

The vines are of a healthy, vigorous growth, with a rich, dark green foliage, and throw strong, grasping tendrils which enable it to climb trellises, wire netting, brush, or any other suitable support. It bears abundantly throughout the season, while the climbing habit enables the fruit to grow perfectly straight. From 12 to 16 inches in length. The cucumbers are thick, tender and of delicate flavor.

Pkt., 10c.; oz., 20c.; ¼ lb., 60c.

PEERLESS, OR EARLY WHITE SPINE.

One of the best sorts for table use, fruiting early and abundantly. Fruit uniformly straight and handsome; light green, with a few white spines.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

COOL AND CRISP.

The vine is vigorous; fruit long, cylindrical, dark green; white spines. The flesh is peculiarly crisp and tender.

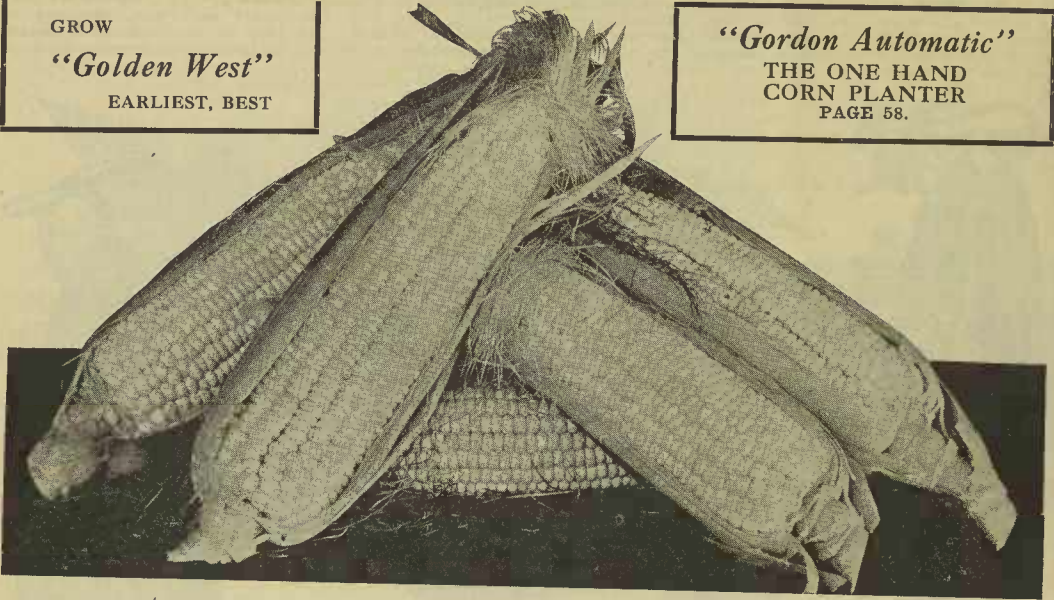
Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Corn, Sweet or Sugar

GROW

"Golden West"

EARLIEST, BEST

"Gordon Automatic"THE ONE HAND
CORN PLANTER
PAGE 58.

PEEP O'DAY SWEET CORN.

PORTLAND SEED CO.'S

Golden West

The sweetest and richest corn ever grown.

Golden West is the earliest of all early sweet corns, the sweetest, most tender and delicious ever tasted. If you don't say so after testing it, you may have your money back. We could fill this whole page with glowing reports in its favor. The corn when ripe is a creamy-yellow, deepening to a golden yellow as it matures. Dwarf in growth and can be planted closer together than most varieties. Can also be planted earlier, for it is very hardy.

We have never been able to get enough seed of this grand variety and we advise all to order early.

Pkt., 15c.; lb., 25c.; 10 lbs., \$2.00.

The Right Kind

January 14, 1908.

I probably will send for a bill of Garden Seeds soon, as I had good success with what few seeds I got from you last year, especially the Golden West Sweet Corn. I must say it is the best I ever saw or ate. Probably will send within a week for seeds. Yours truly,

THOS. P. TAYLOR,

Snowden, Siskiyou County, Cal.

Corvallis, Oregon, March 24, 1908.

Portland Seed Company, Portland, Oregon.
Gentlemen: Our Corn we bought of you was all fine. Such great big nice ears of sweet corn.
Respectfully,

MISS ELMA V. HITE.

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.

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

Mammoth Early Cory

The stalks are no larger than those of the White Cob Cory, but each stalk furnishes two or more large, fine-shaped ears, which are fit for use before those of most other sorts. The ears are 12-rowed, very symmetrical and handsome, with no opening between the rows at the base. The grain is large, broad, very white and of remarkably good quality for such an early sort. The size and beauty of this variety give it ready sale, even when the market is overstocked.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.35.

Peep o' Day—New Sweet Corn

Ten Days Earlier Than Any Other—Sweet, Early, Productive.

You will not be disappointed in this New Sweet Corn. Recently introduced. Has pleased everyone who has tried it. For flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money-maker for the market gardener, and a valuable addition to our list of corn for our short western summers. (See cut.)

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.80.

Early Evergreen

The Best Second Early Sweet Corn.

As is well known, the famous Evergreen Sweet Corn originated over twenty years ago, but while it is the best variety of late Sweet Corn, no effort has ever been made to improve it in earliness until now. In the New Early Evergreen we have a selection possessing every good quality of Stowell's Evergreen, and resembling it in every respect, except that the stalk is about 1 foot shorter, more closely jointed, and that it will mature for market ten to fourteen days earlier. It is certainly a valuable addition to the corn list, and we advise all our customers to try this variety.

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

Early Fordhook

This is the largest-eared, extra early, true Sweet Corn, averaging seven inches in length. It is two to three days earlier than the Cory, and has both grains and cobs of pure white coloring. The ears are eight-rowed with quite small cob and deep grains. While similar in growth, it is greatly superior to the Cory in sweetness and flavor.

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

WHITE COB CORY.

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

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

Early Minnesota

This old and deservedly popular variety is one of the best early sorts for the market and the private garden.

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

PLANT CORN

Our selected and acclimated Seed Corn is very superior to most of the Corn Seed offered. Try it.

PLANT CORN

SWEET CORN—Continued

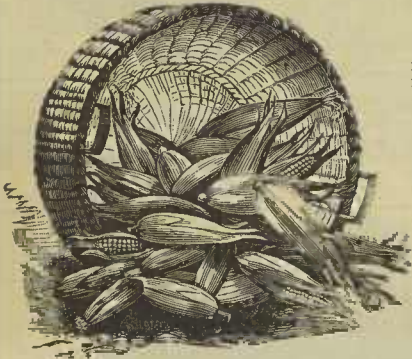
WELL-KNOWN AND STANDARD VARIETIES.

All 10c. per packet, postpaid.

	Per lb.	Per 10 lbs.
Adams' Extra Early. Not sugar corn; small ears for early use	10c.	\$0.90
Black Mexican. Black grains, sweet and delicious; fine for home use	15c.	1.25
Country Gentleman. The sweetest and most tender of all Sweet Corns.....	15c.	1.15
Extra Early Cory (Red Cob). One of the earliest sweet varieties; when ripe, grains are pink	15c.	1.20
Mammoth Sweet. Very large, white grain; early and productive	15c.	1.20
Fodder Sweet Corn. Mixture for soiling and green fodder	12c.	1.00
White Rice. Best variety of popping corn.....	12c.	1.00

Pound prices on Corn do not include postage; add 10c. extra per pound if wanted by mail.

Corn Planters—They Save Time and Seed. See Page 58—Corn Planters



Field Corn

Field Corn is now recognized as one of the leading crops for fodder on the Pacific Coast. If cut green and packed in silos it makes an excellent winter green feed, particularly adapted for milch cows.

MINNESOTA KING (Dent).

Recommended by the Agricultural College as the best variety for Western Oregon and Washington. Smallest cob and longest grain. The ears are uniformly well filled out, and it will make more shelled corn to a given bulk of ears than any other variety. It is a beautiful golden yellow and a good yielder. 1 lb., 10c.; 10 lbs., 60c.

PRIDE OF THE NORTH, or YELLOW DENT.

Recommended, after repeated tests, by the Agricultural College, as the best for Eastern Oregon, Washington and Idaho. A quick growing dent variety, thriving well where the summers are not very long. The kernels are of a beautiful golden color.

1 lb., 10c.; 10 lbs., 55c.

CHAMPION WHITE PEARL.

A large, white, late dent variety, pearly white kernels. This variety is very popular with our dairymen on account of the great amount of green feed it makes.

1 lb., 10c.; 10 lbs., 60c.

WELL-KNOWN AND STANDARD VARIETIES.

	Per lb.	Per 10 lbs.
Early Canada (Flint). An eight-rowed Yellow Flint Corn; early and very productive.....	10c.	60c.
King Philip. An early Red Corn; well acclimated and well known	10c.	65c.
Leaming. (Early). Corn yellow; grain small; weighty; productive	10c.	60c.
Early White Flint. Productive, early and of beautiful appearance	10c.	60c.
Wisconsin White Dent. A yellowish white dent, of extreme earliness	10c.	60c.

All sorts, 10c. per packet; prices per 100 lbs. on request.

Celeriac or Turnip-Rooted Celery

LARGE, SMOOTH PRAGUE.

An improved form of turnip-rooted Celery; round, smooth, with very few side roots. This is the largest variety and one of the very best.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.



CELERIAC.

Chicory

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

LARGE ROOTED, or COFFEE.

The best kind.

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



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.; oz., 15c.; ¼ lb., 40c.

WHITE CURLED.

A beautiful variety, with curled, mossy leaves; for early use.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

BROAD LEAVED BATAVIAN (Escarolle).

Has broad, thick leaves, which form a large, loose head.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

ANY KICK COMING?

If you are not pleased tell us, and if you are satisfied with our treatment and stock tell us. We like to hear from you.

EGG PLANT

Should be started in a hotbed 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.

The earliest and hardiest; very productive; fruit from 6 to 10 inches long.
Pkt., 5c.; oz., 30c.; ¼ lb., 75c.

NEW YORK IMPROVED, LARGE PURPLE.

The leading market variety. Large, round, dark, excellent, and the most productive.
Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.

BLACK PEKIN.

Oval round, of medium size, very dark, glossy and handsome.
Pkt., 5c.; oz., 30c.; ¼ lb., 80c.



NEW YORK IMPROVED.

GARLIC

Used same as onions.

Sets, per lb., 15c.; postpaid, 25c.

Horse Radish Roots

These sets or small roots can be planted in the spring or fall, small end down, with the top one inch below the surface, in rich, cultivated soil. Will form radishes of large size in one season's growth. For prices see Plants and Roots, page 78.

Gardiner, Oregon, April 15, 1908.
Portland Seed Company, Portland, Oregon.

Gentlemen: Some time ago I sent Vegetable Seeds to China from your store. The people were much pleased with them. I had a letter again to send some more. Respectfully,
MRS. EVA ANDERSON.

KALE OR BORECOLE

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

P. S. CO.'S EMERALD ISLE

Finest Kale in the World.

This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains; very hardy, of medium height. The closely curled, handsome leaves are most attractive and of fine flavor. A fine exhibition plant. (See engraving made from photograph.)

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

TALL GREEN CURLED SCOTCH.

Grows about two feet high; leaves dark green, curled and wrinkled; very hardy and is improved by a light frost.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

THOUSAND HEADED.

See Field Seeds, page 53.



EMERALD ISLE (From Photograph).

	Pkt.	Oz.	¼ lb.
Half Dwarf Moss Curled. Medium sized leaves, nicely curled	5c.	15c.	40c.
Dwarf Green Curled. Leaves beautifully curled and bright green	5c.	10c.	30c.

KOHL RABI

Hardy and of easy culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of both. The edible part is a turnip-shaped bulb formed by the swelling of the stem. Kohl Rabi is far superior to cabbage or turnips in the delicacy of its flavor, and is a splendid addition to every garden. It should be eaten before growth ceases.

EARLY WHITE VIENNA.

Very early; bulb white; best table variety. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.

EARLY PURPLE VIENNA.

Same as above, except in color, which is purple. Pkt., 5c.; oz., 20c.; ¼ lb., 65c.



KOHL RABI.

LEEK

The Leek belongs to the onion family. Prized for soups. Cultivation similar to that of onions, but hill up about the neck to blanch it.

LARGE ROUEN, or AMERICAN FLAG.

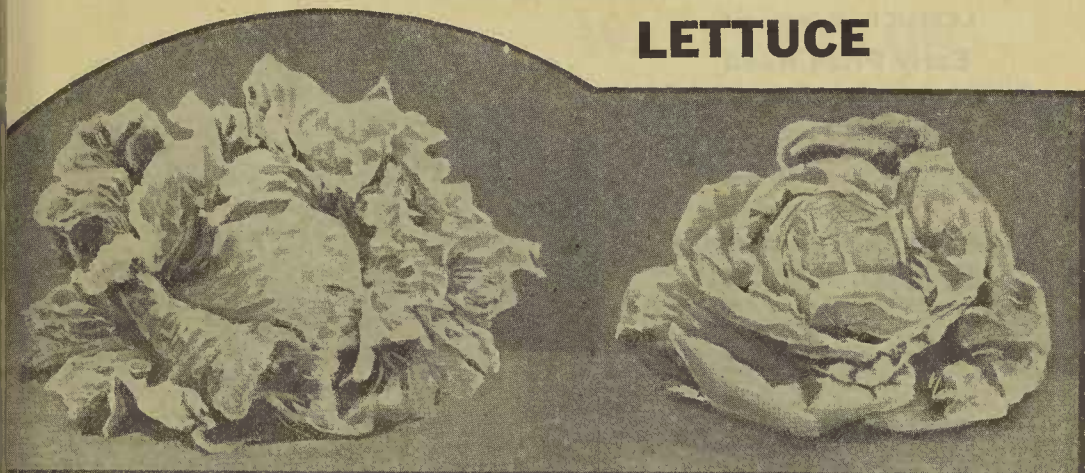
A large, favorite American sort. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.



LARGE ROUEN
LEEK.

IT PAYS WELL TO USE FERTILIZER. OUR FREE BOOKLET TELLS WHY

LETTUCE



PORTLAND SEED CO.'S CRISPETTE.

(Engraving from photograph.) MAY-KING.

Portland Seed Co.'s **New Crispette**

In offering this new lettuce we firmly believe we have a variety that will appeal to all lovers of this vegetable. It is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover the outside of the solid heads, are of a bright, light green. The unusual solidity of the heads is insured by the large, white, main ribs of the leaves, each of which, curving strongly toward the center, makes it impossible for the leaves to open outward and expose the center, which will always be found crisp, tender, sweet and melting. It matters not whether grown to head in the early spring or the hottest days of summer, the leaves are always crisp and tender. (See cut).
 Pkt., 10c.; oz., 25c.; ¼ lb., 60c.

May King

A grand new Butter Lettuce.

A large growing, smooth leaved, richly flavored sort, which we believe to be the best of all smooth leaved Lettuces. Plant, light green, with round leaves, which form into a very solid compact, round head; stands a long time without running to seed. Leaves very thick, folded or puckered at the base, inner ones blanch to a rich, golden yellow. Exceedingly rich, tender and buttery. Fine for open ground or forcing (see cut).
 Pkt., 10c.; oz., 25c.; ¼ lb., 60c.

LARGE DRUMHEAD.

One of the largest heading kinds, but the heads are not so solid as the Hanson or Deacon.
 Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Corvallis, Oregon, May 19, 1908.

Portland Seed Company, Portland, Oregon.

Gentlemen: I sent this spring for Nitrate of Soda, and the results I received from the use of it are wonderful. My lettuce is two to three weeks ahead of anybody else in this neighborhood, and also Cabbage and Cauliflower. Yours truly,
 OTTO H. L. PETERSEN.

Satsop, Wash., February 23, 1908.

Dear Sirs: I have always found your seeds and fertilizers especially good and also found you very prompt.

My last year's crop of Green-House lettuce was very fine and give due credit to your seeds. Respectfully,
 WALTER HALE.

DEACON.

Heads very solid and of excellent flavor, remains in condition for use as long as any variety in cultivation. Plant medium sized, with very few outer leaves, which are deep green and very thick, while the inner ones blanch to a bright yellow and are exceedingly well flavored, crisp and tender. This is certainly one of the best varieties for summer use.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10.

Simpson's Early Curled

A leading market variety used for very early planting and forcing. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10.

EARLY TENNIS BALL.

The plant is small, of rapid growth, and should be used as soon as large enough, as it quickly runs to seed. Leaves dark green, thick and crisp. One of the best for growing under cover, and for forcing.

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

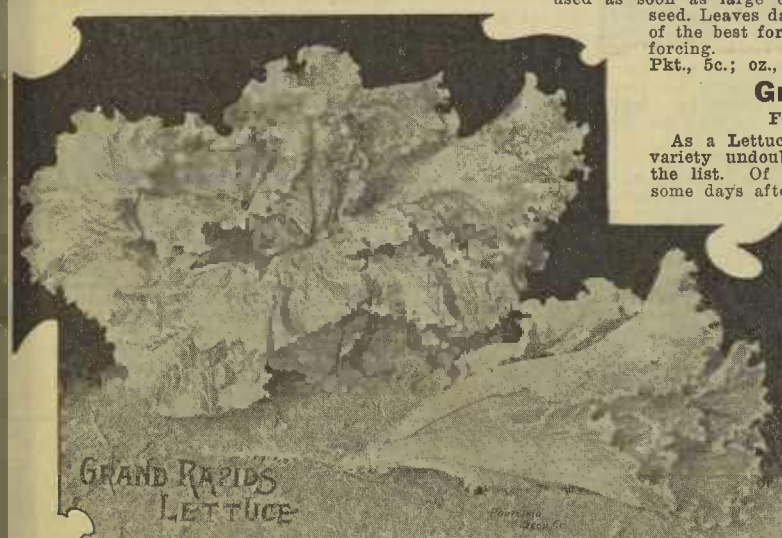
Grand Rapids

For Early Forcing.

As a Lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Of quick growth, and stands for some days after being fit to cut. The plant

is upright and forms a loose head or cluster of large, light yellowish green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts (see cut).

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



Try the new "VIOLET" POTATO for wet land, page 56.

LETTUCE—Continued

Early Prize Head

Standard sort. Best of the large, thin leaved, clustering varieties. The very large leaves are savoyed or crimped, bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. One of the best for the garden, but not good to ship long distances.

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.

Henderson's Immensity

Luxuriant grower, consequently tender, sweet, crisp.

Of the largest size and finest quality, even the outer leaves being tender. Slow to run to seed and maintains that crispness of texture and sweetness of flavor so much desired, and has heat resisting qualities which carry it safely through the hot summer. It is not early, but is absolutely reliable for a late crop at a season when other varieties are hard to procure.

Pkt., 10c.; oz., 20c.; ¼ lb., 50c.

BROWN DUTCH.

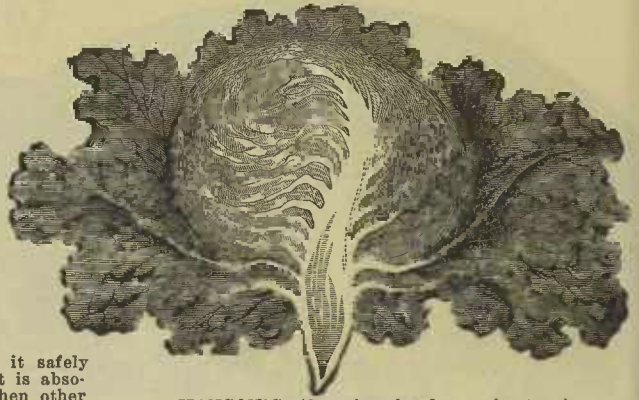
Forms a large, solid head, sweet, tender and of good flavor. Outer leaves tinged with brown. Very hardy.

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

WHITE PARIS COS.

A distinct variety, forming oval, upright heads, largest near the top. It is hard, tender and crisp, and does not run to seed so quickly as other Cos varieties.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.15.



HANSON'S (Showing head cut in two.)

Hanson

The Leading Head Lettuce.

(Improved Hard-Heading Stock.) One of the very best. Heads green outside and white inside; grow to a remarkable size, very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun well.

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

BLACK SEEDED SIMPSON.

Forms a close, compact mass of curly leaves of a yellowish green.

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

MUSKMELON



Rocky Ford or Netted Gem

The most popular and best seller among Muskmelons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and highly flavored. The fruit is wonderfully uniform in shape and quality. Grown largely in Colorado and shipped in carload lots all over the country. The favorite with market gardeners everywhere.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Small Green Nutmeg

A variety ripening early. Flesh green, fine and sweet. Superior for the early market, or family garden, and a favorite for hotels and restaurants.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Osage or Miller's Cream

One of the finest flavored melons in cultivation, and highly recommended. Without question the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Paul Rose or Petoskey

Created by a cross between the Netted Gem and Osage; fruit oval, about five inches in diameter, rich orange in color, sweet and highly flavored.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Cassaba—True Stock

This is an excellent melon and much sought after. Large, rather oblong; well ribbed; skin thin, netted and of greenish yellow color; flesh two to three inches thick, delicious and melting. None better.

Pkt., 10c.; oz., 25c.; ¼ lb., 60c.; lb., \$2.00.

CULTURE—Cultivate as recommended for cucumbers, except that the hills should be six feet apart. Rich earth for the young plants is far better than manure, but if the latter is to be used, see that it is well rotted.

Burrell Gem

The Perfect Melon for Market or Home Gardens.

Burrell's Gem has a tough, thin rind, well arched ribs, covered with a closely interlaced gray netting; shape elongated, being about 4½ inches in diameter by 6 inches long, flesh of a reddish orange, very thick, fine grained and spicy, seed held firmly in a triangular cavity. This is the secret of a good shipping melon, if the seeds shake loose easily a melon will quickly decay.

Burrell Gems grown in Colorado and shipped to the big Eastern markets brought twice the price of the original Rocky Ford Melons. Last year we introduced this selected strain to some of our growers, and it proved superior to any variety we have ever tested. We cannot recommend it too highly.

Price: Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Goldhill, Ore., Aug. 15, 1908.
Portland Seed Co., Portland, Ore.
Gentlemen: Your Peep O' Day Sweet Corn is fine and so are the Bovee Potatoes.
Respectfully,
CHAS. RIEDEL.

WELL-KNOWN AND POPULAR VARIETIES.

	Pkt.	Oz.	¼ lb.	Lb.
Jenny Lind. Extra early, flesh green, fine flavor.	5c.	15c.	40c.	\$1.25
Extra Early Hackensack. Flesh green, delicious, juicy and sweet; medium size	5c.	15c.	35c.	1.00
Large Yellow Cantaloupe. Early and productive; flesh salmon color, rich, sweet.	5c.	15c.	35c.	1.00
Emerald Gem. Medium size; early; flesh yellow, rich, sweet	5c.	15c.	40c.	1.25

WATERMELON

CULTURE—The Watermelon, in its origin and habits, is similar to the Muskmelon, and should receive the same cultivation and treatment, except that the hills should be further apart.

Portland Seed Co.'s Oregon Queen

Plant our Oregon Queen and be sure of a crop of rich, sweet melons. We believe this is the best watermelon for Oregon, and especially the Willamette Valley. It is hardy, early and very productive. Fruit oval, good size. Color dark green. Flesh bright red, crisp, sweet and of splendid quality. You will be pleased with this excellent melon.

Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.



KLECKLEY'S SWEET, or MONTE CRISTO.

A splendid sort for home use or near markets. Vine vigorous and productive; fruit of medium size; oval; color dark, mottled green in two shades, forming indistinct stripes. Flesh, a beautiful bright rich red; exceedingly sweet and tender.

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

FORDHOOK EARLY.

A fine, extra early melon. Fruit of good size; skin dark green; flesh bright and crisp, sweet and good quality; rind thin but tough. Good shipper.

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

CUBAN QUEEN.

A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped dark and light green. Melons are wonderfully solid; rind thin. They are enormously productive and ripen early.

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

ICE CREAM, or PEERLESS.

A grand favorite and standard variety. Superior in every respect. Has beautiful crimson core, which is always fine grained; cannot be surpassed in flavor; very prolific, magnificent grower.

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

WELL-KNOWN AND STANDARD VARIETIES.

	Pkt.	Oz.	¼ lb.	Lb.
Dark Icing. Early, round, solid, with thin, dark green skin; of superb quality.....	5c.	10c.	25c.	75c.
Ferry's Iceberg. A good shipper. Flesh rich, tender and sweet; color dark green.....	5c.	10c.	20c.	65c.
Gray Monarch, or Long White Icing. Very large; long; crimson flesh.....	5c.	10c.	25c.	65c.
Florida Favorite. Large and long; rind firm; flesh deep red.....	5c.	10c.	25c.	75c.
Kentucky Wonder. Oblong; flesh scarlet, crisp, tender, rich.....	5c.	10c.	25c.	75c.
Kolb's Gem. Almost round; flesh sweet; rind dark; good shipper.....	5c.	10c.	25c.	75c.
Phinney's Early. Early, hardy; flesh pink, very sweet, tender and crisp.....	5c.	10c.	25c.	75c.
Gypsy, or Georgia Rattlesnake. Oblong, dark and striped; bright red flesh.....	5c.	10c.	20c.	65c.
Citron. (Red or Green Seeded). Round and handsome; for preserving only.....	5c.	10c.	25c.	75c.

THREE YEARS

Dallas, Oregon, January 23, 1908.
Portland Seed Company, Portland, Oregon.

Gentlemen: We have used your Seed for three years and like them best of all other seeds we have used. Yours truly,

MRS. E. H. GAGE.

Redmond, Oregon, March 21, 1908.
Portland Seed Company, Portland, Oregon.

Gentlemen: We have dealt with you for three successive years, and are much pleased with the results of your seeds. Yours truly,

SHERWOOD BROS.

SWEET HEART.

This melon has become very popular as a shipping melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled dark and very light green; rind thin, but firm; flesh bright red, firm, solid, but very tender, melting and sweet. Fruit retains its good quality for a long time after ripening.

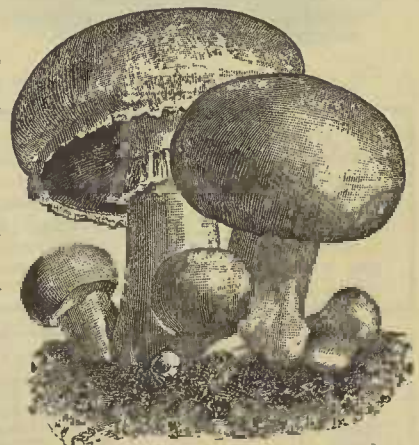
Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

MUSHROOM SPAWN

With intelligent care and good spawn, Mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter. Our free pamphlet gives general instruction.

LAMBERT'S PURE CULTURE.

A new kind of spawn, without a doubt the best; much superior to the common English. It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way. Price, per brick, 25c.; postpaid, 35c.; by express, not prepaid, 5 bricks, \$1.00.



MUSHROOMS.

MUSTARD

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

SOUTHERN GIANT CURLED. We offer a fine strain of the true curled leaf. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WHITE ENGLISH. Leaves mild, tender when young; seeds yellow. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.

MUSHROOM CULTURE

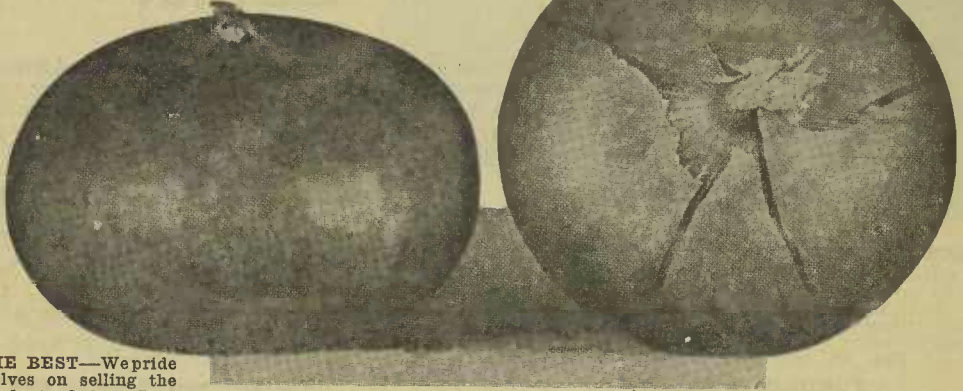
We furnish a four-page pamphlet free; a small booklet for 35c.; a complete book for \$1.10

Pure Seeds

ONION

Highest Tests

CULTURE—The onion thrives best in a rather deep, rich, loamy soil, and unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The best culture requires that the ground should be deeply dug and heavily manured with well rotted manure a season or two previously. Sow as soon as ground can be prepared in the spring.



THE BEST—We pride ourselves on selling the very best Onion Seed that can be produced. Try it

OREGON YELLOW DANVERS (from Photograph).

Everyone who plants Onion Seed in quantity should have a good Seed Drill. They soon pay for themselves in seed and labor saved. See pages 59 to 61.

Oregon Yellow Danvers

This is the variety planted almost entirely in the Northwest, particularly in Oregon. The largest crops of onions and the best keepers, bringing the highest prices in the Oregon and California markets are the Oregon Yellow Danvers. The bulbs are uniformly large, of a half-globe in shape, with small necks.

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 specially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seed can be obtained.

Ordinary Stock. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$1.75
Oz., 15c.; ¼ lb., 50c.; lb., \$1.50

Extra Early Red Flat

The first Red Onion to Ripen.

A medium-sized, flat variety; an abundant producer and very uniform in shape and size; moderately strong flavored, and comes into use nearly two weeks earlier than the Large Red Wethersfield. Very desirable for early market use.

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

Australian Brown

Since its introduction a few years ago, it has become one of the most popular and most sought after onions in many markets. Its remarkable keeping qualities and handsome appearance have brought it rapidly to the front. This onion resembles the Oregon Yellow Danvers in general appearance, but has a clear, amber-brown skin that attracts buyers. It matures early, ripens uniformly, and will keep in good condition longer than any other onion. We offer the true, genuine seed, Oregon-grown. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50

Yellow Globe Danvers

A very handsome, round or globe-shaped variety, of large size, with thin, yellowish skin, white flesh, fine grained, mild, very firm, and the best of keepers. It ripens early and sells readily at the highest prices.

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

Large Red Wethersfield

A standard variety, one of the most productive kinds, even in poor soil. Its good keeping qualities render it one of the best for shipping.

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



AUSTRALIAN BROWN.

A McWhorter Fertilizer Drill will distribute in one or more furrows beside the growing crop or broadcast any width up to a uniform spread of over two feet. Instantly adjusted without loosening a bolt, the most economical and satisfactory Fertilizer Drill made. Write for particulars. See page 59.

NO BETTER

Otis, Oregon, February 15, 1908.
Portland Seed Company, Portland, Oregon.
Gentlemen: I have had the best luck with your Seeds of any other Seed Co. I have ever dealt with, and will send Seed order later. Yours truly,
A. S. THOMSON.

GOOD SEEDS

Cornelius, Oregon, February 10, 1908.
Portland Seed Company, Portland, Oregon.
Gentlemen: Please send me one of your Seed Catalogs. We have always used your seeds, and find them O. K. Yours truly,
R. D. 2, Box 88. F. A. HOHMAN.

For the best upland Fertilizer for Onions add 15 pounds of Muriate of Potash to 100 pounds of our No. 5. Use 600 pounds to the acre.
For Beaver Dam land use equal parts Muriate of Potash and Superphosphate; 450 pounds per acre.

ONION—Continued

WELL-KNOWN AND POPULAR ONIONS.

	Pkt.	Oz.	¼ lb.	Lb.
Yellow Danvers. Largely planted. Flesh fine grained; mild; white; good keeper.....	5c.	20c.	55c.	\$1.75
Extra Early Barletta. A small, pure white, mild onion; fine for pickles.....	5c.	25c.	75c.	2.50
White Globe. Flesh very white, fine rich and sweet; fine keeper.....	5c.	30c.	1.00	3.00
Giant Rocca. Large, globe-shaped; skin reddish-brown; flesh mild, sweet flavored.....	5c.	25c.	70c.	2.25
Mammoth Silver King. Very large and attractive; skin white; flesh fine grained and mild.....	5c.	25c.	70c.	2.25
Queen. If sown thickly, produces small, very firm bulbs, the best of all for pickling; if given more room, matures an excellent onion, that will keep all winter.....	5c.	25c.	70c.	2.25

Prizetaker—The Genuine

The Handsomest and Largest Yellow Globe Onion.

A new variety introduced but a few years ago, which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size. A perfect globe shape, with a bright straw colored skin; the necks are very small and the onions always ripen up hard.

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

WHITE PORTUGAL, or SILVER SKIN.

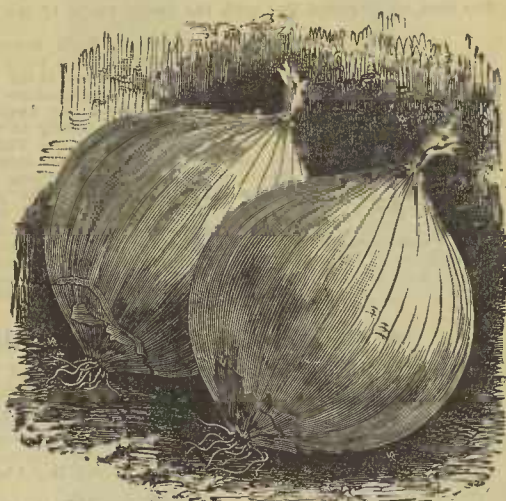
A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white Onion; also grown largely for sets.

Pkt., 5c.; oz., 35c.; ¼ lb., 75c.; lb., \$2.50.

ALWAYS GROW

Clatskanie, Oregon, April 20, 1908.
Portland Seed Company, Portland, Oregon.

Gentlemen: We like your seeds very much. They always grow well, and none of them ever fail. Yours truly,
MISS LUCY PRAHL.



PRIZETAKER.

ONION SETS

BOTTOM ONION SETS.

Small onions grown from seed that has been sown too thickly to attain a large size. The small onions (about ½ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown directly from the seed. Yellow sets are most in demand, but Red and White are used to some extent.

Per lb., 25c.

TOP SETS.

Produced in clusters.

Per lb., 30c.

SHALLOTS.

Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium sized bulbs. Light brown skin; mild, white flesh. Per lb., 30c.

OKRA OR GUMBO

IMPROVED DWARF GREEN.

Very early, with long, green, slender pods.

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

WHITE VELVET.

The pods are smooth or very slightly ribbed, large; remain tender a long time.

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

PARSLEY

Very useful for flavoring soups, meats, and for garnishing. The green leaves are used for flavoring or they may be dried crisp, rubbed to a powder, and kept in bottles until needed.

FINE TRIPLE-CURLED, or MYATT'S GARNISHING.

A fine, free growing, but not large variety. The plants bear a great number of leaves, which are so abundant and so finely curled that they resemble a bunch of moss.

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

CHAMPION MOSS CURLED.

A compact growing, finely cut and much curled variety of a bright green color.

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

TURNIP-ROOTED, or HAMBURG.

The root, which resembles a small turnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc.

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

FOR FREE PREMIUM SEE INSIDE FRONT COVER.

TRIPLE CURLED PARSLEY.



PORTLAND'S FINEST LAWN

are produced by planting our "Diamond Brand" Fancy Mixed Lawn Grass Seed. See page 49.

Select Stock**GARDEN PEAS****Select Stock**

We pay postage on Peas in 10c. packets only. If ordering by mail in larger quantities, add 10c. per pound for postage.

THREE EXTRA EARLY PEAS. Can be planted before the wrinkled varieties.

Portland Seed Co.'s New First Early

The first early round Pea with the sweet flavor of the wrinkled varieties.

As is generally known the earliest Peas are the round smooth varieties which resist the cold and wet of the early spring, and while they lack the flavor and sweetness of the wrinkled sorts, are first in the market. For years experts have tried to produce a garden pea with the hardy characteristics of the round and the flavor of the wrinkled sorts, and in the Portland Seed Co.'s First Early is the first successful result of these experiments. It is not only the First Early Pea, but is as sweet and luscious as the early wrinkled ones so highly prized for their flavor. In habit of growth it resembles the Alaska, vines growing 24 to 30 inches without branching. The pods are borne in great abundance and come to maturity very quickly and evenly, making it an ideal pea for market gardeners, and for home gardens planted in early succession, it has no equal. We predict a great future for this splendid new variety. We can supply it in limited quantities only. Orders will be filled in rotation until stock is exhausted.

Price: Pkt., 15c.; lb., 25c.

**Alaska or Earliest of All**

Earliest and best of all early smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of the pods is unequaled by any other extra early pea. Vines two to three feet high, unbranched, bearing four to seven long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall and early spring planting.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

Tom Thumb or Blue Peter

Grows about nine inches high; extremely early; pods good length and well filled. The ripe peas are blue, smooth, round, fair size.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

EARLY SWEET WRINKLED PEAS**American Wonder**

One of the most popular and best of the early wrinkled sorts. A great favorite for family use. Has stout, branching vines, covered with well filled pods containing seven or eight large, exceedingly sweet, tender and well flavored peas; height, 10 to 12 inches.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Gradus

This extra early, wrinkled pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted just as early as the smooth peas; growth, vigorous and healthy; vines, 2½ feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Thomas Laxton

A new, early, wrinkled variety of great merit. The vine grows about three feet high, much like that of the Gradus, or Prosperity, but more hardy and much more productive. Pods large, long, with square ends—larger, longer and handsomer than those of any other early sweet pea. The green peas are very large, fine colored and unsurpassed in splendid quality. It certainly is one of the very best Early Peas ever produced.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.75.

Little Gem

A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller, much more productive and continues in bearing longer. The quality of the pea is very superior. Height, 15 inches.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Edward VII

A Delicious New Early Pea of Great Merit.

The pods are well filled and as large as most late peas.

We introduced this grand variety from Europe and its popularity increases each season. Of all the Dwarf Early Peas King Edward VII produces the largest pods of the finest flavored peas in the greatest quantities.

Pods resemble Stratagem in color and size and are remarkably well filled with deliciously flavored peas. Height, 15 inches. Try this grand new pea and we are sure you will be more than pleased.

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



EDWARD VII

PEAS—Continued

Nott's Excelsior

One of the best early dwarf peas. It combines to a wonderful degree the good qualities of the American Wonder and Premium Gem Peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas, in sweetness and quality, are unsurpassed. The most desirable sort for the market gardener, and unexcelled for the home garden. Very hardy. It outyields them 20 to 30 per cent. The pods are one-third longer, and each pod contains from six to nine large peas, which are unusually fine flavored and tender. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

PREMIUM GEM.

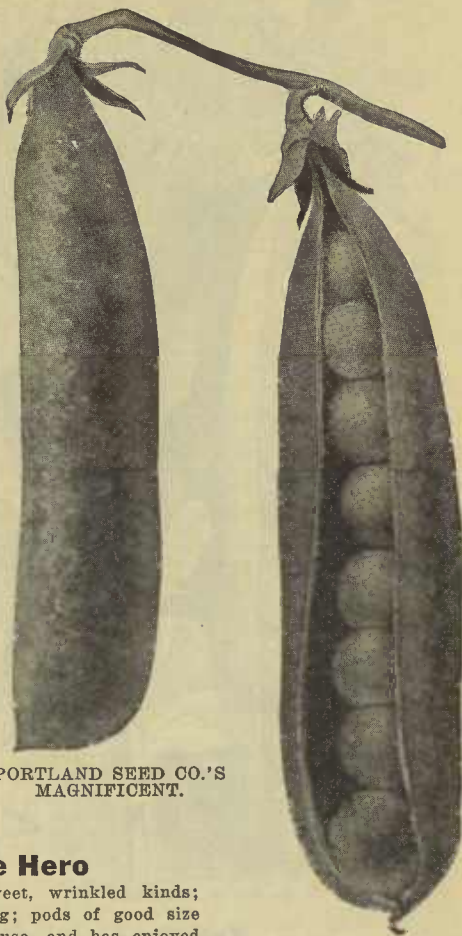
One of the earliest dwarf, green, wrinkled varieties. Similar to Little Gem. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

IMPROVED DWARF TELEPHONE.

Dwarf Telephone is the famous old Telephone without its long vines; of healthy, stocky growth; very productive; pods large, broad, straight and remarkably well filled with large, sweet peas of delicious flavor; very desirable. Eighteen to twenty inches high. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.75.

PORTLAND SEED CO.'S MAGNIFICENT.

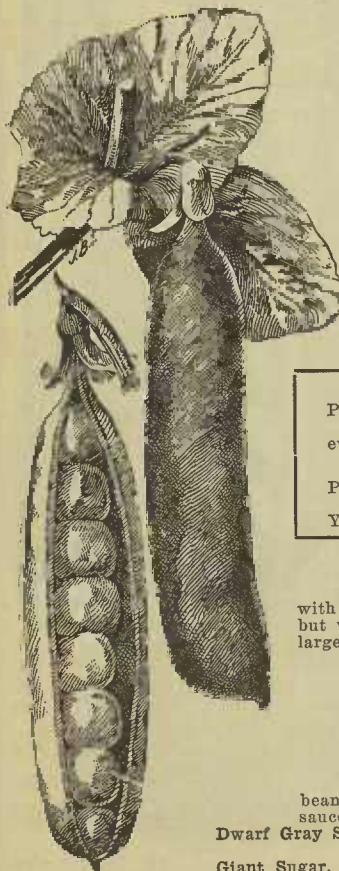
This is another new Pea from Europe, and is just what the name signifies, a magnificent pea. A robust grower, producing in astounding profusion large, handsome, deep green pods closely packed with luscious, tender, sweet peas. A grand medium early pea for the home and market garden. Height two feet. You will not be disappointed in the new variety. Try a packet at least. Pkt., 15c.; lb., 25c.



PORTLAND SEED CO.'S
MAGNIFICENT.

NOTT'S EXCELSIOR.

PLANET JR.'S
are great
for planting
Peas. See
Page 60.



Yorkshire Hero

One of the largest, sweet, wrinkled kinds; vines strong and spreading; pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height 2 1/2 feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

Nitro Culture makes
lots of Peas.
See page 32.

Eugene, Oregon, March 5, 1908.

Portland Seed Company, Portland, Oregon.
Gentlemen: Portland Seed Co.'s Magnificent Peas are the finest I
ever bought. Yours truly,
MRS. J. C. WATKINS.
Dayton, Wash., June 8, 1908.

Portland Seed Company, Portland, Oregon.
Gentlemen: Your Edward VII Pea did splendidly up here last season.
Yours truly,
F. W. STIMPSON.

Improved Stratagem

One of the best of the large podded peas; the pods are of immense size, filled with large, dark green, wrinkled peas of the finest quality; vine medium height, but very stocky, with very broad, light green leaves, and bearing an abundance of large handsome pods. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

CHAMPION OF ENGLAND.

Very rich and fine flavored; very productive; wrinkled; height 4 to 5 feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

SUGAR PEAS

Edible Podded Peas.

These peas have broad, fleshy pods that are broken and cooked like string beans. They are sweet and tender and of a luscious flavor served with butter sauce.

- Dwarf Gray Sugar. Pods large, sweet and tender; vines dwarf; gray seeded. Pkt., 10c.; lb., 25c.
- Giant Sugar. Taller and larger than above; gray seeded. Pkt., 10c.; lb., 20c.
- Melting Sugar. Medium height; popular sort; white seeded. Pkt., 10c.; lb., 30c.

PEAS—Continued

P. S. Co.'s Perfection

By careful selection of seed stock we have made this superb, wrinkled pea one of the great leaders. There is probably no better late variety now under general cultivation. It attains a height of about 2½ feet, and is esteemed for good quality and productiveness. The pods are long, handsome, and wonderfully well filled, and are produced in great abundance. The peas are of unusually large size and delicious flavor; eight to ten to the pod. Cannot be overpraised as a standard, medium or late sort for the table or canning or for market purposes.

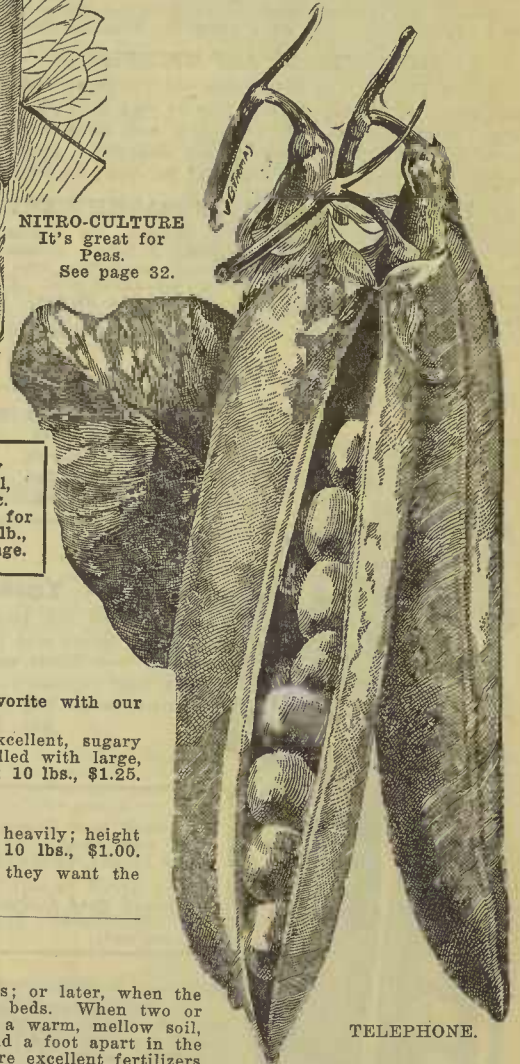
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.



P. S. CO.'S PERFECTION.

NITRO-CULTURE
It's great for Peas.
See page 32.

By mail, 10c. extra for per lb., postage.



TELEPHONE.

Telephone

Produces those handsome, long pods. A great favorite with our market gardeners.

Immensely productive, of the finest quality and excellent, sugary flavor, vines very strong; the pods are of large size, filled with large, luscious peas; height, 4 feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

WHITE MARROWFAT.

A smooth, light colored pea, late; very hardy; yields heavily; height 3 to 4 feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

Note—Some buyers ask for Marrowfat Peas when they want the large, sweet wrinkled sorts.

PEPPER

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



RUBY KING.

"SHADELAND TRIUMPH"

See Page 54.

	Pkt.	Oz.	¼ lb.
Ruby King. Very large, sweet and mild; bright scarlet	5c.	30c.	80c.
Large Bell or Bull Nose. Large, mild, thick fleshed variety. One of the best for stuffed pickles	5c.	30c.	75c.
Golden Dawn. Bright, golden yellow; very productive; entirely free from fiery flavor	5c.	30c.	80c.
Sweet Spanish or Mountain. Of the largest size, bright scarlet. Excellent for pickling and stuffing	5c.	30c.	80c.
Cayenne. Pods long; bright red; very pungent and used very largely with pickles when green	5c.	20c.	70c.
Chili. Pods small and pointed; brilliant scarlet; very pungent when ripe	5c.	30c.	80c.

FOR PREMIUMS AND SPECIALS SEE INSIDE FRONT COVER

PARSNIP

The Parsnip is nutritious and wholesome, with a sugary sweetness peculiar to itself, and is superior both for the table and stock feeding. It yields a large crop, and is said to be more valuable for dairy cows than either the carrot or turnip. As the seed germinates very slowly, sow as early in spring as possible in drills 15 inches apart on deeply cultivated, rich, loamy soil. Keep clear of weeds and thin to three or four inches apart. The roots are improved by freezing.

LONG WHITE DUTCH, or SUGAR.

Root very long, white, smooth, tender, sugary, and of most excellent flavor. Very hardy; will keep through winter without protection. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

HOLLOW CROWN, or GUERNSEY.

Root white, very tender, with a smooth, clear skin. The variety is easily distinguished by the leaves growing from a depression on the top or crown of the root. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

PUMPKIN

CULTURE—Care should be taken to keep the different varieties apart, and also to keep them well separated from other vining plants, as they readily amalgamate and deteriorate.

WINTER LUXURY.

The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color, golden-russet, finely netted; flesh deep golden, sweet, tender and very thick; none better. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

LARGE YELLOW, or CONNECTICUT FIELD.

Large, round; deep, glossy yellow. Vines vigorous and very productive; good keeper. Grown extensively for stock feeding. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

MAMMOTH TOURS.

A productive French variety; grows to an enormous size. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Giant of All

A new imported variety and a giant among Mammoths.

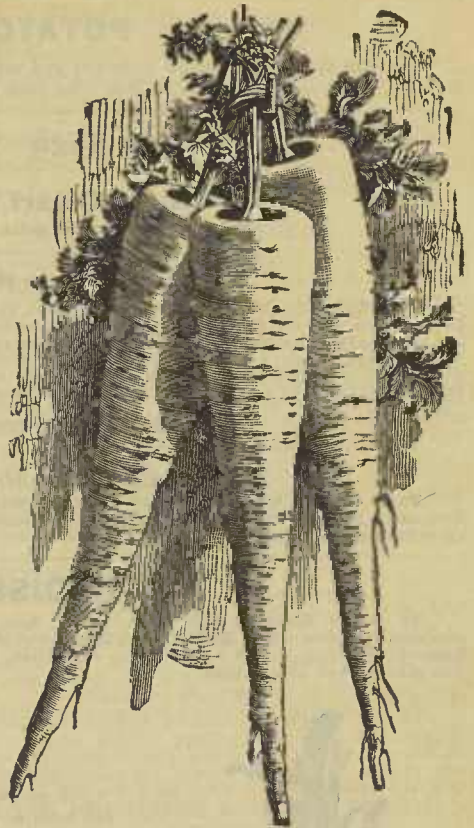
This colossal Pumpkin is almost a globe in shape. The skin is of a beautiful, rich golden yellow; flesh firm, fine grained and deep yellow, sweet flavored, very thick and of excellent quality for so mammoth a variety. These Pumpkins attain an enormous size and will carry away prizes at your county fairs. See cut below from photograph, Pumpkin on a wash tub.

Large pkt., 15c.; oz., 25c.; ¼ lb., 60c.

TENNESSEE SWEET POTATO.

Pear shaped; flesh thick, cream white, fine grained and of excellent flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.



HOLLOW CROWN.

LARGE SWEET CHEESE.

A popular variety. Fruit flattened; skin mottled light green and yellow. Flesh yellow, thick, tender; very nutritious and of excellent quality; a most productive variety.

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

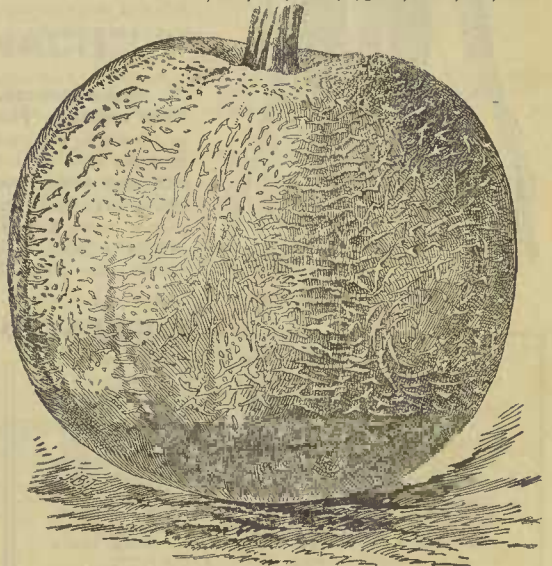
SWEET, or SUGAR.

A handsome and productive small Pumpkin, 10 to 12 inches in diameter; round flattened; skin orange; flesh, deep yellow, fine grained and very sweet.

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



GIANT OF ALL.



WINTER LUXURY.

PORTLAND SEED COMPANY'S
POTATOES FOR SEED

You will find Seed Potatoes described and priced on pages 55, 56 and 57. This year our stock of Seed Potatoes is limited, but unusually fine. Be sure you look over our list before you send in your order.

For Ruta Baga—See Page 31

Rape, Dwarf Essex

For description and price, see page 55.

RHUBARB or Pie Plant

CULTURE—Rhubarb succeeds best in deep, rich, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure each spring. The stalks should not be plucked until the second year and the plant never allowed to exhaust itself by running to seed.

VICTORIA, or Mammoth.

Very large; finest cooking variety. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

RHUBARB ROOTS.

From October to June we can always supply one or two-year-old Rhubarb Roots. Customers wanting only a few dozen roots for home gardens will save much valuable time by ordering roots instead of seed. For prices, see page 78.



RHUBARB.

RADISH

To secure Radishes with crisp, tender flesh, grow them quickly, in rich, loose soil, and gather before reaching full size. Our Radish Seed is strictly of the finest grade, being grown from carefully selected roots. Frequent planting should be made for succession, so that a supply of fresh, tender Radishes in the finest condition may be had at all times.

Three Excellent New Radishes
 One Pkt. Each for 20c

Early Snowball

A grand improvement on the White Box or White Turnip Radish which has been so popular for several years. It is the most handsome in shape, very early and has but few leaves. It is of clear white color, solid, juicy, crisp, tender and unsurpassed in flavor. A good sort for forcing.

Pkt., 10c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

Early Crimson Giant

The Largest Early Scarlet Turnip-Shaped Radish.

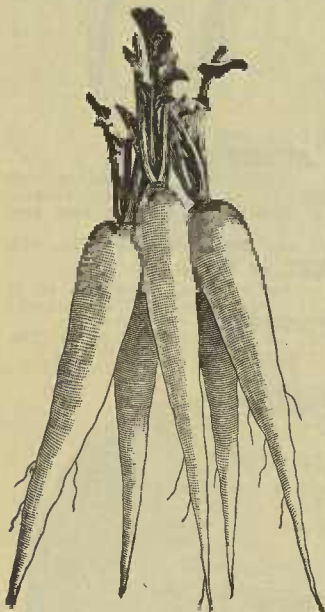
A new, early Radish, double the size of any of the early turnip-shaped type, but, notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp, juicy and of the mildest flavor. The shape of the bulb varies from round to almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent for both forcing and open ground.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

White Icicle

This superb, new radish is the finest and longest of the very early, pure white varieties. Planted in the spring, the young radishes are ready for use in twenty to twenty-five days; their long, slender form and pure paper-white skin are most attractive when bunched for market. This radish is not only crisp and tender when young, but also retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sorts, and is excellently adapted for forcing purposes or successive sowing in the open ground, and gives a continuous supply of tender, crisp radishes for the table or market throughout the season.

Pkt., 10c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.



WHITE ICICLE.

EVERY SEED CAME UP

Medford, Oregon, May 31, 1908.
 Portland Seed Company, Portland, Oregon.
 Gentlemen: I have had splendid luck with the seeds I have planted this summer.

I think your White Icicle Radish is the finest I ever saw, and your Beets, Extra Early Egyptian, is the finest in the world. My neighbors planted—Seeds and only had half a stand, while I had to thin mine and we planted the same amount on the ground. My Beets are still coming up and some of them are large enough to eat. To look at them one would think there were two Beets to each seed. Yours truly,
 MRS. CARA AMANN.

Ehrlich, Wash., March 8, 1908.

Portland Seed Company, Portland, Oregon.

Gentlemen: I used some of your Seed last year, and found them to be just fine. Seemed as if every seed came up. Some of my neighbors ate some Radishes, and said they were the best they have ever eaten. Yours truly,

MRS. C. F. McINNIS.

GOOD SEEDS GOOD SEEDS may cost a little more at the start, but returns **BE WISE** are also greater at harvest time.

RADISH—Continued

- No. 1—Early Long Scarlet.
- No. 2—White Strasburg.
- No. 3—Long Scarlet, White Tipped.
- No. 4—Chartier.
- No. 5—French Breakfast.
- No. 6—Early Scarlet Turnip, White Tipped.

EARLY SCARLET TURNIP.

A small, round, red, turnip-shaped Radish, with small top and of very quick growth; very early; rich color and crisp, tender flesh. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY SCARLET TURNIP, WHITE TIPPED.

A beautiful variety, deep scarlet with white tip, and is becoming very popular as a market sort. Very early. Has a small top, and may be planted closely. It is very attractive in appearance. Flesh crisp, tender and sweet. Cannot fail to give satisfaction as a forcing radish. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY WHITE GIANT 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. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

FRENCH BREAKFAST, or HALF LONG.

Medium size, quick growth, crisp and tender; lower end and taproot white. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

WHITE STRASBURG.

One of the best of the large summer sorts. It covers a long season, as it is good when quite small. The roots are long, very white, crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

EARLY LONG SCARLET, SHORT TOP.

This bright scarlet, small topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LONG BRIGHTEST SCARLET, WHITE TIPPED.

This is the brightest and handsomest colored Scarlet Radish known. The lower third of the root is snow-white; very attractive. It is extra early and the flesh is very tender. Valuable for forcing or open ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

IMPROVED CHARTIER.

Roots long, tapering, and attaining a very large size. Of rapid growth; remains crisp and tender till fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LADY FINGER, or WHITE VIENNA.

Of rapid growth and beautiful shape. Skin and flesh snow-white; very juicy, firm, crisp and tender; the finest of Long White Radishes. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

Winter Radishes

CALIFORNIA MAMMOTH WHITE CHINA.

This is the largest of all Radishes. Roots grow 10 to 12 inches long and are solid, tender and crisp. Keeps well through winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

CHINA ROSE WINTER.

One of the best fall and winter varieties; a favorite with market gardeners; bright rose color; flesh white, firm and of superior quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

SPINACH

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.

IMPROVED THICK LEAVED.

A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Best for market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

FOUR GOOD SORTS ALL AT ONE PRICE.

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

SPINACH.

Victoria. Leaves large, tender and of good quality; good market sort.
Prickly Winter. Hardest variety; may be sown in the fall; seed prickly; leaves long, pointed, thick and succulent.

Long Standing. An improved variety for general use; slow going to seed.
Savoy Leaved. Very early; of upright growth; leaves pointed. Plant in the autumn for spring use; grows quickly.

Gardeners get special prices; state amount wanted.

SALSIFY or Vegetable Oyster

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

MAMMOTH SANDWICH ISLAND.

The leading variety; produces a large crop of straight, smooth roots. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.50.

LARGE WHITE.

An early kind; tender and excellent. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.40.

YOU GET \$1.25 WORTH OF SEEDS FOR \$1.00 IN PACKETS AND OUNCES; SEE INSIDE FRONT COVER.



SQUASH**Summer Varieties****BUSH SCALLOP SQUASH.****MAMMOTH SUMMER CROOKNECK.**

Early, prolific; solid, curved neck; skin yellow, thin, hard and warty; flesh tender and of good quality. Twice as large as the ordinary Crookneck and several days earlier.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

WHITE SUMMER CROOKNECK.

Similar to the Summer Crookneck, but of a beautiful ivory white and unsurpassed quality.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY YELLOW MAMMOTH BUSH SCALLOP.

An early, flat, scallop-shaped variety; color yellow; flesh pale yellow and well flavored; very productive.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MAMMOTH WHITE BUSH SCALLOP.

The best summer sort for the market; very productive and of good size.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BOSTON MARROW.

Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

FORDHOOK.

One of the best winter Squashes; fine quality.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

SIBLEY, or PIKE'S PEAK.

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.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Golden Hubbard

The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. One of the very best fall and winter sorts yet introduced. Matures before the frosts; is vigorous and wonderfully productive. In flavor it has no equal.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Mammoth Chili

The largest of all Squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

True Hubbard

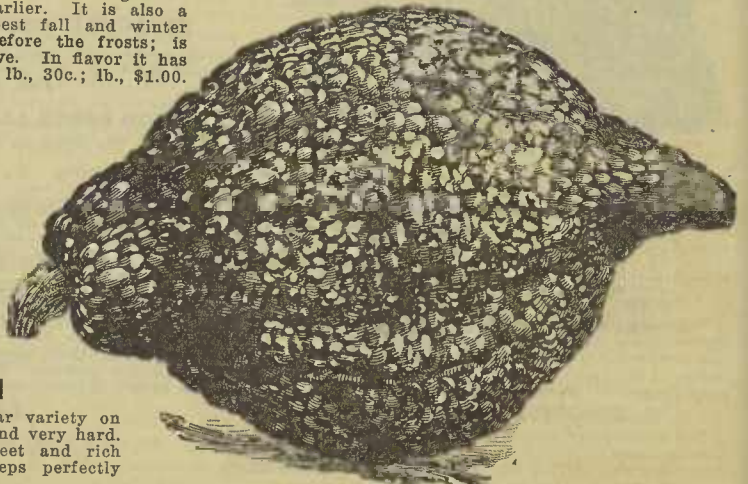
The best seller and most popular variety on our list. Kind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

**MAMMOTH SUMMER CROOKNECK.****New Delicious**

This new fall and winter Squash resembles the old Hubbard; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The flesh is meaty, granulated, tender, and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. This variety may be used in the fall, but in winter the quality is at its best.

Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; 1 lb., \$1.50.

**TRUE HUBBARD SQUASH.**

TOMATO

CULTURE—Sow early in hotbeds, and as soon as they have four leaves transplant into shallow boxes. Harden off, and set out as soon as danger of frost is past.

Livingstone's New Coreless

The most perfect shaped Canning variety ever produced.

Large size, globe shaped, full at stem end, bright red, a strong grower and big cropper.

It is immensely productive, clusters of 4 to 7 fruits are produced at 6 to 8 inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large, 12 to 15 ounces. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy, meaty and delicious flesh; which is slightly acid.

Price: pkt., 20c.; oz., \$1.00; ¼ lb., \$3.00.

Spark's Earliana

The Earliest, Large, Smooth Tomato.

The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. Ripens thoroughly all over, the stem-end coloring up perfectly. Almost seedless and very solid. A most vigorous grower and heavy bearer, continuing until frost. Succeeds everywhere, and especially recommended for this coast.

Spark's Earliana is as near seedless as any tomato, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds per acre.. For this reason the genuine seed can never be sold at a low price.

Pkt., 15c.; oz., 30c.; ¼ lb., \$1.00.

New Stone

The Greatest Canning Tomato in the World.

This variety has obtained great popularity with canners, growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color a desirable red. In shape, perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. All speak in highest terms of its beautiful color, its wonderful yielding properties, its unequalled firmness.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

Atlantic Prize

In point of earliness, this undoubtedly takes the lead. In size, shape and color it compares favorably with later sorts. Color, bright red.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

Quarter Century

A grand, new, dwarf tomato. The fruit is large and heavy and superior in flavor; color, deep red. Fine for home or garden.

Pkt., 5c.; oz., 30c.; ¼ lb., \$1.00.

Fordhook First

A splendid variety, especially adapted for cool, moist or heavy soils. Plants of strong, running growth; fruit, three inches in diameter, perfectly smooth and free from cracks; quite thick through and richly colored deep purple. Very fleshy and of the finest flavor. Produces smooth, solid, handsome fruit of superior quality, earlier than most other early sorts.

Pkt., 5c.; oz., 20c.; ¼ lb., 75c.

WELL-KNOWN STANDARD VARIETIES.

	Pkt.	Oz.	¼ lb.
Acme. The well-known, standard, bright pink Tomato	5c.	20c.	\$0.60
Dwarf Champion. Dwarf, upright growth; smooth, purple fruit	5c.	35c.	1.00
Golden Queen. This is a first-class large, smooth, pure yellow Tomato	5c.	25c.	.75
Husk Tomato, or Ground Cherry. Used mostly for preserves	5c.	30c.	1.00
Livingston's Beauty. Large; a good quality; deep red in color	5c.	25c.	.75
Livingston's Favorite. Excellent for general crop; bears heavily	5c.	20c.	.75
Yellow Pear, Yellow Plum, or Red Cherry. Small; shape of fruits named	5c.	30c.	.75

TOBACCO

Sow the seed thinly in beds, as early as they can be well prepared, transplanting when six inches high to rows four feet apart each way. Cultivate thoroughly.

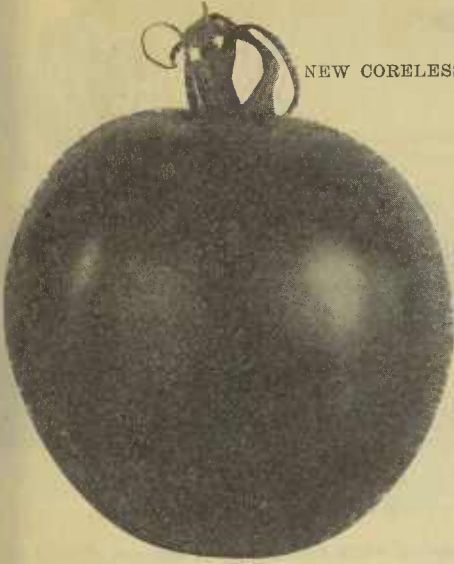
CONNECTICUT SEED LEAF.

Hardy, and the best adapted to cool localities, and for general use.
Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; lb., \$2.00.

HAVANA.

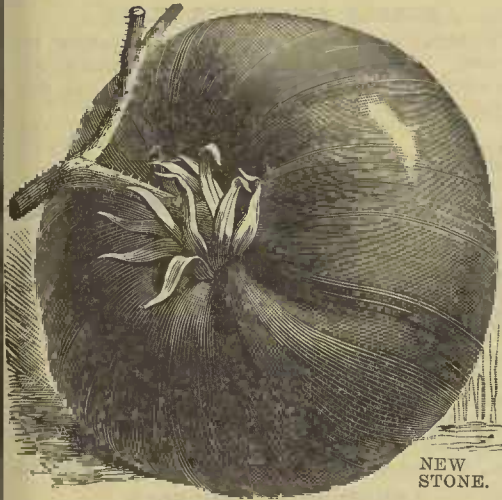
Of fine texture and delicate flavor.
Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.

NEW CORELESS



Tomato Plants

We have, in season, strong, hardy plants. See price list of Vegetable Plants, page 78.



NEW STONE.

Early Michigan

An extremely smooth and perfectly shaped tomato; very early; vines strong and vigorous.

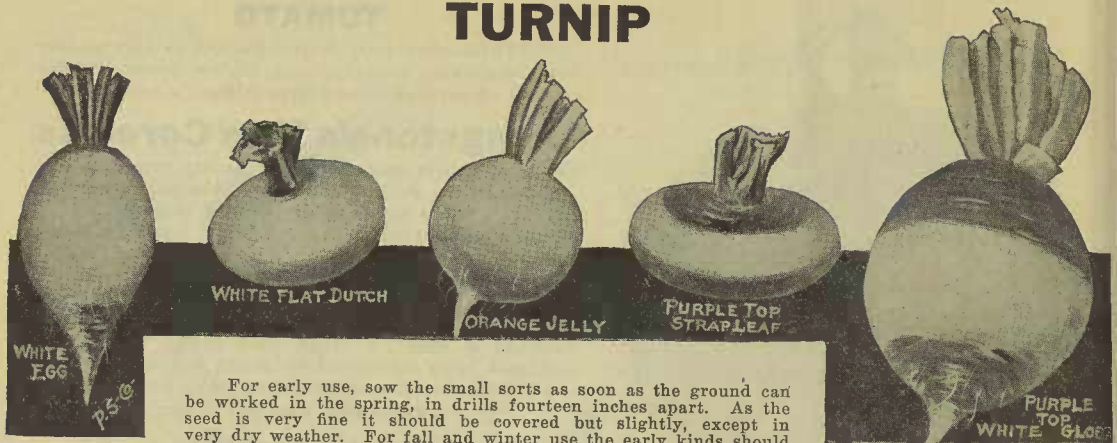
Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

LIVINGSTON'S PERFECTION.

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

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

TURNIP



For early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart. As the seed is very fine it should be covered but slightly, except in very dry weather. For fall and winter use the early kinds should be sown during July, August and September.

Early Purple Top Milan

This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap-leaved; bulb a deep purple above, white underneath; flesh white, firm and delicate.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

WHITE MILAN.

Same as above, but pure white, sweet and tender.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

EARLY WHITE FLAT DUTCH.

One of the best and most universally grown. Small, erect top, round flat; flesh white, firm, but very tender and sweet. Of quick growth, it is soon ready for the table and keeps well. (See cut.)

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

WHITE EGG.

Is perfectly smooth, of a pure, clear white, growing half out of the ground, and at times to the size of a Ruta Baga, being a very choice kind for table use; of excellent flavor, sweet and mild. Pulls clean from ground; thin, snow-white skin.

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

ORANGE JELLY.

Or Robertson's Golden Ball.

Undoubtedly one of the most delicate and sweetest yellow-fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well and is superior as a table variety. It is extensively used. (See cut.)

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

POMERANIAN WHITE GLOBE.

One of the most productive kinds, and in good, rich soil roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves dark green and of strong growth.

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

Early Purple Top

(Strap-Leaved.)

A leading, white fleshed variety, and one of the best, either for the family, market garden or field crop. It is medium size, and produces a large crop. The flesh is firm, but tender, and of a superior rich, buttery flavor. A good keeper. (See cut.)

Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PURPLE TOP WHITE GLOBE.

A large, globe-shaped variety; purple above the ground. It is handsome and of excellent quality, and recommended both for the family garden and field crop. (See cut.)

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

COWHORN.

Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon, as it is an immense yielder.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

YELLOW ABERDEEN.

Round, medium size; light yellow. Produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet. A great favorite with the dairymen. (See cut.)

Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

LARGE WHITE NORFOLK.

A white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy, and may remain in the ground all winter. Yields a very large crop.

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

LARGE AMBER GLOBE.

One of the best for general crop; flesh firm and sweet; grows to a large size; excellent for table use or for feeding stock. Keeps well.

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

A PRIZE TURNIP

McMinnville, Oregon, November 19, 1907.

Portland Seed Co., Portland Oregon.

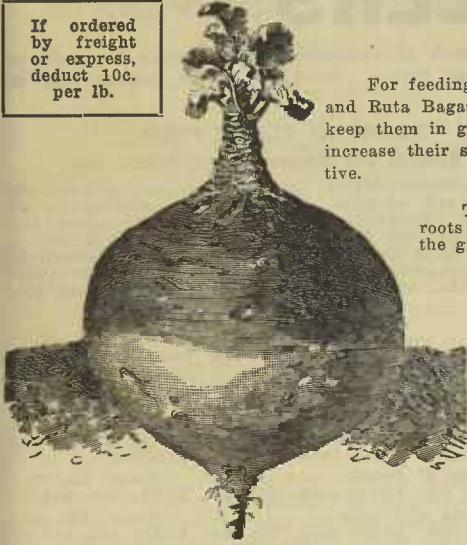
Gentlemen: Last spring I bought of C. C. Murton one-half pound of your purple top turnip seed and sowed broadcast and raised several tons of nice turnips. Among them was one that measured 41 inches around and weighed 22 $\frac{3}{4}$ pounds.

I am well pleased with your seed, and think I will use them hereafter. Yours truly,

J. H. DAVENPORT.

TURNIP—Continued

If ordered by freight or express, deduct 10c. per lb.



PURPLE TOP RUTA BAGA.

RUTA BAGA, or Swede

For feeding stock in fall and winter there is nothing superior to Turnips and Ruta Bagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

MONARCH, or TANKARD.

This is a yellow-fleshed sort, having very large, tankard-shaped roots; flesh very solid, fine-grained, of fine flavor; grows well out of the ground and yields large crops.

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

SKIRVING'S RUTA BAGA.

Enormously productive; flesh yellow, solid and sweet. One of the best for field culture.

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

WHITE SWEET RUSSIAN.

This variety is most excellent, either for table or stock. It grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

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

IMPROVED AMERICAN PURPLE TOP.

The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes.

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

TREE SEEDS

NURSEY MEN:

We offer only fresh, new crop Seeds. Growers wanting large quantities should give us their orders early. Quantity price on request.

Single pound prices are by mail, postpaid.

APPLE SEED.

French Crab. Oz., 10c.; ¼ lb., 25c.; lb., 70c.

CHERRY PITS.

Mazzard. ¼ lb., 15c.; 1 lb., 45c.
Mahaleb. Oz., 10c.; ¼ lb., 25c.; lb., 85c.

PEACH PITS.

For nursery stock. Lb., 20c.; 100 lbs., \$2.25.

QUINCE SEED.

Oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

PEAR SEED—Native.

Oz., 20c.; ¼ lb., 50c.; lb., \$2.50.

French. (Pyrus Communis.) The best imported for nursery stocks. Oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

Japanese Pear. Oz., 30c.; ¼ lb., \$1.00.

PLUM PITS.

(Prunus Myrabolano.) For nursery stock. Oz., 10c.; ¼ lb., 25c.; lb., 65c.

BOX ELDER, OR ASH LEAF MAPLE.

(Acer negundo.) Oz., 10c.; ¼ lb., 25c.; lb., 85c.

LOCUST.

Yellow or black. Oz., 10c.; ¼ lb., 20c.; lb., 60c.
Honey. Oz., 10c.; ¼ lb., 20c.; lb., 60c.

WALNUTS, ENGLISH—Imported.

Named varieties, French grown, prices on application.

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, with a little attention, be preserved for years. Sow the seeds early in the spring in shallow drills, one foot apart. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full bloom, and tied in bunches and hung up or spread thinly on a floor where they can dry quickly. Prices include postage.

All the following Herbs, 5c per packet.

	Oz.	¼ lb.		Oz.	¼ lb.
Anise. Seeds aromatic	10c.	25c.	*Lavender. For fragrance	20c.	50c.
*Balm. For culinary purposes	25c.	65c.	Marjoram. Sweet	15c.	50c.
Basil—Sweet	15c.	45c.	*Rosemary. Aromatic oil	30c.	
Borage. Leaves for flavoring	15c.	40c.	*Rue. Medicinal qualities	20c.	50c.
Caraway. For flavoring	15c.	25c.	Sage. Much used	20c.	45c.
Catnip. (Cat Mint)	35c.	\$1.00	Saffron	20c.	
Coriander. (Aromatic)	10c.	25c.	Sorrel. Used in salads	20c.	
Dill. Used Medicinally	10c.	20c.	Summer Savory	10c.	35c.
*Fennel. (Sweet)	10c.	25c.	Tansy. Used in bitters	30c.	
Fenugreek. For flavoring	10c.		Thyme. (Broad leaved)	30c.	
*Horehound. Bitter, for tonic	20c.		*Wormwood. Medicinal use	20c.	
Hyssop. Medicinal qualities	25c.	75c.			

Herb Seeds for Flavoring

ANISE.

Anise seed for flavoring. ¼ lb., 15c.; lb., 45c.

CARAWAY.

We keep constantly on hand a large stock of well preserved seed for the use of Druggists, Bakers and Confectioners.

¼ lb., 15c.; lb., 35c.; 100 lbs., market price.

CORIANDER.

Coriander seed for flavoring. ½ lb., 20c.; lb., 35c.; 100 lbs., market price.

DILL.

Dill seed for flavoring. ½ lb., 25c.; lb., 45c.
Used to flavor soups, stews and pickles. The leaves possess similar qualities, and can be used in the same manner as the seeds.

POPPY.

Seed used for flavoring. ½ lb., 25c.; lb., 35c.
Persons who use these seeds in quantity should write for prices.

FERTILIZERS

We are the largest dealers and carry the most complete stock of Fertilizers and Fertilizing Materials in the Northwest. We solicit correspondence and orders from large buyers. Special Fertilizer Catalog sent on request.

The results obtained from using our fertilizers have been so satisfactory that we have made no changes in our analysis since last year. Crops in many cases have been doubled and are always increased by their use.

Note—Space on this page will not allow us to go into detail, but we will gladly mail our Booklet on Fertilizers free. It is worth asking for if you are interested.

DIRECTIONS—The best results are obtained by applying fertilizers in the late fall or early spring. The average amount used is 300 to 500 pounds per acre, but two or three times this amount is often used to advantage by market gardeners.

NO. 1—GENERAL FERTILIZER.

An all around fertilizer which can be used on any crop, but is especially adapted for grain crops and pasture grass. Analysis: Nitrogen, 2 to 2½ per cent; phosphoric acid, 6 to 6½ per cent; potash, 8 per cent. Price: 10 lbs., 40c.; 100 lbs., \$2.00; 500 lbs., \$9.50; 1,000 lbs., \$18.00; per ton, \$35.00.

NO. 4—FRUIT AND STRAWBERRY.

This fertilizer is also used for blackberries, raspberries, etc. We sell large quantities for growing the famous Hood River Strawberries. Analysis: Nitrogen, 2 to 3 per cent; phosphoric acid, 7 to 8 per cent; potash, 9 to 10 per cent. Price, 10 lbs., 40c.; 100 lbs., \$2.25; 500 lbs., \$10.00; 1,000 lbs., \$19.00; ton, \$37.00.

NO. 5—ODORLESS LAWN DRESSING.

This fertilizer supplies a long felt need for the lawn. It produces a dark, green lawn and can be used at the time the seed is planted or later as a top dressing. One hundred pounds is sufficient for an ordinary city lot, and is far more effective and less objectionable than stable manure. Remember, it contains no weed seeds. When used as a top dressing it is best to make several small applications about a week apart.

Price: 10 lbs., 50c.; 25 lbs., 80c.; 50-lb. sack, \$1.25; 100 lbs., \$2.25.

NO. 10—SPECIAL HOP AND ONION.

A fertilizer made especially for hops, very rich in potash, and if used freely in hop yards will double the yield and increase the quality of the hops. Be sure that you get "Diamond Brand." Analysis: Nitrogen, 2½ to 3 per cent; phosphoric acid, 6 to 7 per cent; potash, 12 per cent. Price: 100 lbs., \$2.25; 500 lbs., \$10.75; 1,000 lbs., \$21.00; ton, \$40.00.

PURE BONE MEAL.

Animal bone finely ground is one of the very best and most economical fertilizers, especially at present low prices. A most valuable enricher of the soil, and crop producer. Our stocks are absolutely pure. Price: 5 lbs., 25c.; 10 lbs., 30c.; 100 lbs., \$2.00; ton, \$32.50.

BLOOD MEAL.

\$3.00 100-lb. sack; \$50.00 ton.

TANKAGE.

\$1.25 100-lb. sack; \$24.00 ton.

LAND PLASTER, OR GYPSUM.

Made from pure gypsum, absolutely free from clay or other foreign matter. This is especially valuable for clover and grass crops. Price: 10 lbs., 25c.; 100-lb. sack, 75c.; ½ ton, \$6.00; ton, \$11.50.

NITRATE OF SODA.

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. Per lb., 5c.; 100 lbs., \$3.75.

SUPERPHOSPHATE.

This is a concentrated form of phosphoric acid and it is actually the cheapest form in which to buy phosphoric acid. Our present stock contains 17 per cent available phosphoric acid.

Price: Per lb., 5c.; 100 lbs., \$1.50; ton, \$28.00.

We have a Fertilizer booklet giving full instructions as to how much fertilizer, when and what kinds, to use on the different crops, etc. Sent free.

DIAMOND PLANT FOOD.

Special for House Plants, Palms, etc.

A complete, highly, concentrated, powerful fertilizer, clean and odorless, wonderfully invigorating to all plants. Producing luxuriant foliage and larger and more brilliant flowers. A 25c. package will feed a dozen large plants a whole year. Special instructions on each package. Price: ½-lb. pkg. 15c., by mail 25c.; 1-lb. pkg. 25c., by mail 40c.

POTASH.

Is one of the most important fertilizing elements. 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 carry the complete line of Potash Fertilizers from the German Kali Works, and can supply in any quantity at lowest prices.

Muriate of Potash Price: Lb., 5c.;

100 lbs., \$3.25; sack, 224 lbs., \$6.50; ton, \$54.00.

Sulphate of Potash Price: Lb., 5c.;

100 lbs., \$3.50; sack, 224 lbs., \$7.25; ton, \$60.00.

Kanit Price: Lb., 3c.;

100 lbs., \$1.50; sack, 224 lbs., \$2.50; ton, \$20.00.

NITRO CULTURE.

Of the three essential Plant Foods, Nitrogen, Phosphoric Acid and Potash, Nitrogen is the most important and expensive. The air is four-fifths Nitrogen and the soil is full of air, but plants cannot extract Nitrogen from the air, except by a wonderful process of nature, through germ action, by which this vast store of Nitrogen is made directly available at a cost not to exceed \$1.50 per acre. This wonderful discovery was made, and since developed by the U. S. Government, Department of Agriculture and is called Nitro-Culture after the little germs that produce the Nitrogen gathering nodules on the roots of leguminous plants. See illustration.

These germ cultures are put up in small dry packets. You simply add water and sprinkle on the seeds. It will increase your crop two to ten times. Write for pamphlet.

Prices: Trial pkg., ⅓ to ¼ acre, 50c.; Acre pkts., \$1.50; 5-acre pkts., \$5.00. Special garden size for Sweet Peas, Garden Peas and Beans, 25c.

We have books and pamphlets on Potash; also Nitrate of Soda, which we will send free. All we ask is a 2c. stamp for each book for postage.



ROOTS SHOWING EFFECT OF INOCULATION WITH NITRO-CULTURE.

(Taken from a photograph by the United States Department of Agriculture.)

Flower Seed Department

CHOICE NEW AND STANDARD VARIETIES.

CULTURE

Cultural directions are printed on the back of nearly all packets. Flowers usually succeed best in a sandy loam, made rich with well rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor. A hotbed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make their germination and rapid growth more certain. Most seeds do well if sown in boxes in a sunny window in the house. Plants are usually ready to be transplanted when they have made a growth of two inches.

Annuals bloom and ripen the first year, and then they perish. Many annuals in warm climates, or when taken in, or protected during winter, become perennial, with but short lives, however. Biennials do not generally flower the first year, and are in perfection only one year. Perennials continue to flower several years in succession. Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring, if desired and Biennials and Perennials do not require any protection in winter. Half-hardy Annuals, Biennials and Perennials should not be sown in open ground until settled, warm weather, though they can be sown in the house, if desired, early, and afterwards transplanted. The two latter need to be protected in the winter, or carried over until spring in cold frames or greenhouses.

ACROCLINIUM, or Everlasting Flower.

Elegant, annual, everlasting, producing beautiful daisy-like flowers, resembling the Rhodanthe. Fine for winter bouquets. Gather when partially opened, and dry in the shade. Height, ten to fifteen inches.

Mixed. All colors Pkt., 5c.

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. The plant blooms all summer. Half hardy annual; six to eighteen inches high. (See cut.) Plants in season.

Mexicanum Nanum. Light Blue, White or Mixed. Pkt., 5c.; ¼ oz., 15c.

AGROSTEMMA.

Strikingly beautiful for beds, ribbons and borders. Its graceful pink-like flowers remain fresh a long time after being cut, and are very handsome in bouquets. Thrives in any soil. (See cut.) Coronaria. Perennial Pkt., 5c.

ALYSSUM.

Every garden should have plenty of Sweet Alyssum; its small, white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly so as to make a mass. It is desirable to sow the seeds early in spring or even the previous autumn. Hardy annual. (See cut.) Plants in season.

Maritimum. Sweet Pkt., 5c.; oz., 30c.
 Maritimum. Little Gem. Pkt., 5c.; oz., 50c.
 Procumbens. Of trailing habit; profuse bloomer. Pkt., 10c.; ¼ oz., 20c.
 Saxatile. Perennial. Yellow flowers Pkt., 5c.; ¼ oz., 20c.



Agrostemma.

Our Flower Seeds come from the best American and foreign growers.



Alyssum.



Arabis Alpina.



Ageratum.

AMARANTUS.

Our warm summers suit admirably the varieties of Amaranthus cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom.

Melancholicus Ruber.

Deep red foliage; dwarf. Pkt., 5c.

Caudatus. Graceful, drooping flowers Pkt., 5c.

Tricolor, or Joseph's Coat. Foliage scarlet yellow and green Pkt., 5c.

AMMOBIUM.

One of the hardiest everlastings. The flowers are not large, but beautiful in form, and pure white; very desirable for winter bouquets. An easily grown annual. Pkt., 5c.

ARABIS, or Rock Cress.

The earliest, prettiest, spring flower. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequaled for rockeries or edgings; withstands the drought and is always neat. Alpina. (See cut) Pkt., 5c.

Auricula, or Primula Auricula.

Beautiful, spring-blooming flowers. Hardy, perennial. Finest Mixed Pkt., 25c.

Asparagus Plumosus, or Asparagus Fern.

One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. For plants see Plant Department. Pkt., 25c.; 25 seeds, 50c.

Asparagus Sprengeri, or Emerald Feather.

One of the best of the new ferns. Feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. (For plants see Plant Department.) Pkt., 10c.; 25 seeds, 25c.

GOOD SERVICE

We want you to tell us when you are not satisfied. If the error is ours we will correct it. We are constantly improving our service.

ASTERS

Popular and well known. As fall-blooming annuals they have no superior; producing a profusion of flowers of a great variety of rich colors and shades; of varied and beautiful form. The late flowers are usually the best, and to sustain the plant it should have rich soil and abundant moisture. Half hardy annual. We have thousands of Aster plants in season—see Plant Department.

Chrysanthemum Flowered. Half dwarf; of compact growth; flowers large, abundant and later than many sorts. White, Scarlet, Lilac, Rose or Mixed. Pkt., 10c.; ¼ oz., 60c.

Giant Comet. One of the handsomest of the tall growing sorts; flowers large and beautiful; petals long and twisted. Rose, Crimson, Light Blue, White or Mixed. Pkt., 10c.; ¼ oz., 50c.

Simple's Late Branching. A magnificent strain; flowers large, beautiful, double, and borne on long stems. (See cut.) White, Rose, Crimson, Blue or Mixed. Pkt., 10c.; ¼ oz., 35c.

Improved Victoria. Flowers large, beautifully imbricated and perfect in form. Crimson, Rose, White, Light Blue, Mixed. Pkt., 10c.; ¼ oz., 60c.

BALLOON VINE.

A rapid, graceful climber, with inflated seed pods; flowers white. Tender annual. Pkt., 5c.; oz., 25c.

FLOWERING PLANTS.
We have them by the thousand in season. (See Plant Dept.)



Carnation.



Simple's Branching Aster.



Balsam.

BALSAM.
Ladies' Slipper,
or
Touch-Me-Not.

Exceedingly attractive and handsome plants, producing masses of various colored flowers. Half hardy annual. (See cut.)
Tall Double Camellia Flowered Mixed.
Pkt., 5c.; ¼ oz., 25c.
Dwarf, Double, Mixed. Pkt., 5c.; ¼ oz., 25c.

BACHELOR'S BUTTON,
or **Centaurea Cyanus.**

A hardy annual, easily cultivated. 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.
Cyanus. Fine single mixed.Pkt., 5c.; oz., 25c.
Cyanus. Fine double mixed.Pkt., 5c.; oz., 25c.
Cyanus. Alba, single white.Pkt., 5c.; oz., 35c.
Cyanus AzureaPkt., 5c.; oz., 35c.

Brachycome.

Swan River Daisy. A charming flower in white and blue varieties. The plants grow about twelve inches in height and bloom freely. They make elegant border plants.
Choice MixedPkt., 5c.

BEGONIAS.

Begonias are among the most beautiful of flowering plants especially adapted to pot culture.
Choice Single or Double MixedPkt., 25c.
Rex. Ornamental leaved varieties; very handsome.
MixedPkt., 25c.

CARNATION.

Universally admired, deliciously fragrant. Unsurpassed for richness and delicacy of form and color. (See cut.) For Plants, see pages 65-80.
Extra Choice Double Mixed.Pkt., 20c.; ⅛ oz., 75c.
Fine Double MixedPkt., 10c.; ⅛ oz., 35c.
Margaret. MixedPkt., 10c.; ⅛ oz., 30c.
Carnation Extra Select, Double White, Red or Rose.
Pkt., 10c.; ⅛ oz., 75c.

25c. worth of Seeds FREE with each \$1.00 order. See inside front cover.



Castor Bean.



Candytuft.



Calceolaria.



Canterbury Bells.

Browallia.

Handsome, free flowering annual. Covered all summer with bright, rich blue and white flowers. Worthy of more general cultivation. Eighteen inches high.
MixedPkt., 5c.

CALLIOPSIS, or Coreopsis.

Very showy and attractive. Always covered with a mass of bright flowers. A fine cut flower.
Choice Mixed Dwarf Annual. Pkt., 5c.; ¼ oz., 20c.
Choice Mixed Double Annual. Pkt., 5c.; ¼ oz., 20c.
Lanceolata. A perennial, blooming the first year; flowers rich yellow, single; very fine for cutting.
Pkt., 10c.; ¼ oz., 35c.

CALCEOLARIA.

Very handsome and much admired. Produces a profusion of beautiful flowers of unique form and colorings. Fine for pot culture. (See cut.)
Hybrida. Finest MixedPkt., 50c.

CALLA.

Devoniensis. New. A fine calla that will bloom from seed in one year. For Calla Bulbs, see Plant Dept.
Pkt., 15c.; 25 seeds, 50c.

Canna.

Ornamental, tropical looking plants of easy culture, large and beautiful flowers. Hardy perennial. (See cut, page 74.) For Canna Bulbs, see Plant Department.
Crozy's New Large Flowering MixedPkt., 10c.; oz., 35c.

Canary Bird Flower.

Climbing plant with graceful foliage and yellow blossoms. Half-hardy annual. Pkt., 5c.; ¼ oz., 15c.

CALENDULA, or Pot Marigold.

The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round. Plant in early spring in open ground.
Double MixedPkt., 5c.; ¼ oz., 15c.

Catchfly, or Silene.

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers. The plant is covered with glutinous moisture, to which flies adhere; hence its name.
Fine Mixed. All colors.....Pkt., 5c.; oz., 25c.

CENTAUREA.

Odorata Chameleon. Grown for its handsome, fragrant, yellow and rose flowers; superb.....
Pkt., 10c.; ½ oz., 25c.

Imperialis. A fine, sweet-scented flowering variety. Hardy annual. All colors mixed.
Pkt., 10c.; ½ oz., 25c.



Celosia—Cockscomb.



Celosia—Feathered.

There is nothing better or more satisfactory for summer flowers than Dahlias and Gladioli. See index for pages.

CASTOR BEAN, or Ricinus.

Highly ornamental, of stately growth and having large leaves of bronzed or glossy green; of very easy culture. (See cut.)
Sanguineus. Brilliant scarlet...Pkt., 5c.; oz., 20c.
Zanzibariensis. Surpasses all in size and beauty of colors. Mixed.....Pkt., 5c.; oz., 20c.
Borbonienseis Arboreus.
The largest varietyPkt., 5c.; oz., 20c.
Mixed. Best varietiesPkt., 5c.; oz., 10c.

CANDYTUFT.

Candytuft has long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom. (See cut.)
Odorata. Sweet scented; white...Pkt., 5c.; oz., 20c.
White Empress. Very sweet and attractive.....
Pkt., 5c.; oz., 40c.
Carmine or PurplePkt., 5c.; ¼ oz., 15c.
Mixed. All colors.....Pkt., 5c.; oz., 15c.
Sempervirens. Perennial. White
Pkt., 10c.; ½ oz., 25c.

CANTERBURY BELLS.

Very ornamental garden plants of the easiest culture; hardy biennial, two and a half feet high, producing large, nodding and charming, bell-shaped flowers of many exquisite shades. (See cut.)
Campanula. Single, mixed, Pkt., 5c.; ¼ oz., 20c.
Campanula. Double; mixed...Pkt., 10c.; ¼ oz., 50c.
Campanula. Calycanthema (Cup and Saucer). White or mixedPkt., 5c.; ¼ oz., 50c.
Persicifolia. Hardy perennials; very fine; bloom in June. MixedPkt., 20c.

CELOSIA, or Cockscomb.

(See cut.)
Graceful, free blooming, half-hardy annuals.
Cristata. Finest varieties. Mixed.....Pkt., 5c.
President Thiers. Dwarf, crimson comb...Pkt., 10c.

Celosia, Feathered.

(See cut.)
Plumosa. Mixed colors of great brilliancy...Pkt., 10c.
Ostrich Feathered. MixedPkt., 10c.

CHRYSANTHEMUM.

Very showy, effective and desirable as summer flowering plants. Hardy annuals.
Coronaria. Double or single mixed.....Pkt., 5c.
Frutescens. (Marguerite, or Paris Daisy)...Pkt., 10c.
Tricolor. Single mixedPkt., 5c.



Cyclamen.



Cineraria.

CINERARIA.

Magnificent and indispensable flowering plants for the window garden. The flowers are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom. (See cut.)

Hybrida. Mixed. Extra choicePkt., 50c.

Clarkia.

Handsome, free flowering annuals of easy cultivation. Produce a fine effect, massed in beds. Flowers are very bright and attractive.

Double MixedPkt., 5c.

Clanthus Dampieri.

A fine pot plant, bearing clusters of curiously shaped and very brilliant colored flowers, scarlet with black centers; tender perennialPkt., 20c.

COSMOS.

A Strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in March or April and transplanted to open ground will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across; they are of various shades, from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual. (Plants in season.)

Klondyke. Blooms very early and continuously; three to four feet high; flowers large, golden yellow and borne on long stems.Pkt., 10c.; ¼ oz., 15c.

Early Dawn. White, slightly tinted pink.Pkt., 10c.; ¼ oz., 35c.

Marguerite. New and odd, very pretty, petals fringed. MixedPkt., 15c.; ¼ oz., 50c.

Mammoth Flowering. White, Pink, Red or MixedPkt., 10c.; ¼ oz., 20c.

COBAEA SCANDENS.

A handsome, rapid-growing, climbing plant, having large, bell-shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils. (Plants in season.)

PurplePkt., 10c.; ¼ oz., 20c.
WhitePkt., 10c.; ¼ oz., 25c.

COLUMBINE, OR AQUILEGIA.

Sometimes known as Honeysuckle. Produces handsome flowers of unique form and many bright and attractive colors. Hardy perennial. Best double or single varieties. Mixed.Pkt., 5c.

COLLINSIA.

This is an interesting free-flowering, hardy annual. The flowers are in whorls, handsomely variegated in crimson, purple and white.

MixedPkt., 5c.

Coleus.

Probably the best known and most popular of ornamental foliage plants. Leaves all shades and colors. Tender perennial.

Finest Hybrid MixedPkt., 25c.

CYCLAMEN.

Beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. The colors range through shades of pink, crimson, white, spotted, etc. Delicately fragrant. Bulbs in season. (See cut above.)

Giganteum Hybridum. Mixed. .Pkt., 25c.

Cypress Vine, or Ipomoea Quamoclit.
A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers.

White, Scarlet or Mixed.Pkt., 5c.; ¼ oz., 15c.

DAHLIA.

A magnificent, fall-blooming, tuberous-rooted plant, which can be readily started from seed.

For Dahlia Roots, see Plant Department.

Double MixedPkt., 10c.

Single MixedPkt., 10c.

Cactus. New; flowers odd and fantastic in shape; all colors.

Single MixedPkt., 10c.

Double MixedPkt., 20c.

Twentieth Century. New single Dahlias of recent introduction; flowers large and handsomePkt., 10c.

Datura.

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved in the cellar, like Dahlias.

Double MixedPkt., 5c.

Dracaena.

Ornamental, greenhouse plant. Very desirable. **Indivisa Lineata.** Narrow, dark foliage.Pkt., 10c.



LADY LENOX—New Giant Cosmos.

Lady Lenox

MAMMOTH COSMOS.

A magnificent new type of extraordinary size and rare beauty. Flowers 6 to 7 inches in diameter of a delightful pink color. Beautiful under artificial light. The oval petals form a perfectly circular flower which keeps well when cut. Grows strong and vigorous to a height of 6 or 7 feet. (See cut.)

NEW BOOKS ON ROSES SEE PAGE 48

OUR COMPLETE AND ILLUSTRATED CATALOG OF FLOWERING BULBS, ROOTS AND ROSES IS ISSUED ABOUT SEPTEMBER FIRST EACH YEAR—FREE. SEND FOR IT.

DAISY, or Bellis Perennis.

A well-known and popular, low-growing plant bearing beautiful flowers. Hardy perennial.

- Longfellow. Double redPkt., 15c.; 1-16 oz., 40c.
- Double White or MixedPkt., 15c.; 1-16 oz., 40c.
- Burbank's New Shasta. Very hardy; profuse bloomer; flowers very large and borne on long stems; single; petals pure, glistening white; center darkPkt., 25c.

ESCHSCHOLTZIA, or California Poppy.

These are among our most beautiful and popular annuals, being of the easiest culture and giving great satisfaction. They commence to bloom within a few weeks' time from spring-sown and continue to flower profusely until late in the autumn, forming nice, bushy plants, one foot high. (See cut.)

- Californica. Single Yellow, Carmine, White or Mixed.....Pkt., 5c.; oz., 35c.
- Californica. Double MixedPkt., 5c.; oz., 40c.
- Mandarin. Inner side of petals rich orange, outer side brilliant scarlet; very striking; singlePkt., 5c.; oz., 35c.

(For Other Sorts See Poppies.)

Echinocystis Lobata, or Wild Cucumber.

A rapid-growing climber. Very good for covering old fences or trellises. Hardy annualPkt., 10c.; oz., 25c.

Euphorbia.

- Fine, ornamental, foliage plants. Hardy annual.
- Variegata. Variegated foliagePkt., 5c.

FOX GLOVE, or Digitalis.

A tall growing biennial, with large leaves, and spikes of vari-colored and spotted flowers. A magnificent plant. Fine for borders or background. Easily grown. Fine Mixed or WhitePkt., 5c.; ¼ oz., 15c.

FOUR O'CLOCK, or Mirabilis—Marvel of Peru.

A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at four o'clock, close in the morning.

- Choice MixedPkt., 5c.; oz., 15c.



Eschscholtzia.



Fox Glove.

FORGET-ME-NOT, or Myosotis.

Beautiful, spring favorites, of easy growth, bearing clusters of lovely, small flowers. They are perennials and are hardy enough to remain in the open ground except in very cold latitudes. Fine for borders. (See cut.)

- Alpestris. Of trailing habit, with pretty flowers. Blue or MixedPkt., 10c.; ¼ oz., 25c.
- Semperflorens. Dwarf; continuous bloomer; blue. Pkt., 10c.
- Victoria. Flowers large, bright azure-blue, fine for cut flowersPkt., 10c.; ¼ oz., 25c.

GAILLARDIA.

Exceedingly beautiful, half-hardy perennial, making very showy plants, one to two feet high, for the flower garden. Grown in masses they are especially effective; large flowers, two to three inches across, produced from early summer until frost; unrivaled for cutting.

- Grandiflora Maxima. GoldenPkt., 10c.; ¼ oz., 25c.
- Mixed. Many shades of yellow, orange and scarlet.Pkt., 10c.; ¼ oz., 25c.
- Picta. Large, handsome yellow flowers. Hardy annual. Double or SinglePkt., 10c.; ¼ oz., 25c.

Gilia.

Gilias are free-flowering, hardy annuals, one foot high, with finely cut foliage and clusters of small, delicate flowers, white, lilac and rose color; desirable for cutting and suitable for beds, rockwork and edgings. MixedPkt., 5c.

GLOXINIA.

Most charming, greenhouse plants of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Under the commonest culture they bloom continuously for months.

- Hybrida Grandiflora. Choicest mixed....Pkt., 25c.
- Robusta. Erect, hardy, extra choice.....Pkt., 25c.

Grevillea, Robusta.

The Silk Oak. Very beautiful and graceful foliage plantPkt., 10c.

Godetia.

The Godetias are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Hardy annuals.

- Fine MixedPkt., 5c.



Forget-Me-Not.

GERANIUM.

A half-hardy perennial, easily and quickly grown from seed.

- Lady Washington. Foliage green; flowers large, handsome, oddly marked, fine for pot culture.
- Finest mixedPkt., 25c.
- Zonale. This is the well-known bedding Geranium. Single mixedPkt., 10c.
- Zonale. Very finest and newest sorts. Choice mixedPkt., 15c.

Gentiana.

Fine, showy flowers. Should be in every flower garden. Hardy. MixedPkt., 10c.

Geum,

Chiloense.

Hardy perennial. Free-blooming plants. Fine for bouquets. Scarlet. DoublePkt., 5c.

Globe Amaranth, or Gomphrena.

An old favorite, everlasting flower. MixedPkt., 5c.

TRY A SUPERLATIVE RASPBERRY, A MAMMOTH BLACK AND A PHENOMENAL BERRY. THEY WILL SURPRISE YOU.

Gypsophila, or Baby's Breath.

A pretty, free-flowering plant. Fine for bouquets.

Paniculata. Foliage fine; covered with tiny, pure white flowers. Hardy perennial Pkt., 5c.

Gourds.

Of rapid growth, and bearing curious fruits of various sorts.

Dipper, Bottle, Egg-shaped. Each Pkt., 5c.

Large Varieties. Mixed Pkt., 5c.; oz., 25c.

Small Varieties. Mixed Pkt., 5c.; oz., 25c.

HELIOTROPE.

Delightfully fragrant, free-blooming, tender, perennial plants. Splendid for bedding or pot culture. One foot high, of spreading habit. The fragrance of its flowers cannot be excelled in exquisite delicacy. Invaluable for bouquets.

Mixed. Choice . . . Pkt., 10c.; ½ oz., 40c.
Mammoth Flowered. Blue, white or Mixed; very fine Pkt., 15c.; ½ oz., 50c.



Gypsophila.



Heliotrope.

Hollyhock or Althaea.

The modern Hollyhock is quite different and much more beautiful than the plant of twenty years ago, being much more compact in growth; the flowers are larger, richer colored, and the double varieties are fuller and of better form. For a background to a flower garden there can be nothing better. Hardy perennials; five feet high.

Chater's Finest Mixed. Double varieties of the greatest perfection. Pkt., 10c.; ½ oz., 75c.

Double Crimson, White, Yellow or Pink . . . Pkt., 10c.; ½ oz., 50c.

Allegheny. This sort has very large flowers, composed of fringed and crinkled petals. Rich and handsome. Double Choice Mixed Pkt., 10c.; ½ oz., 30c.



Helichrysum.

Our FLOWER SEEDS are fresh New Crop. They produce the most beautiful flowers.

Helichrysum.

Everlasting flower. One of the best for winter bouquets. White, yellow and crimson. Hardy annual.

Double Mixed Pkt., 5c.

HIBISCUS.

Strong-growing plants, of very easy culture and exceedingly showy. Has large, cup-shaped flowers. Hardy annual.

Extra Mixed Pkt., 5c.

Hunnemannia, or Giant Yellow Tulip Poppy.

Fumarifolia. Best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow, poppy-like blossoms, and never out of flower until hard frost. Pkt., 10c.

We give you \$1.25 worth of seed in packets, and ounces, for \$1. See inside front cover.

Hyacinth Bean, or Dolichos.

Rapid growing, ornamental, climbing annuals, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods.

Mixed Pkt., 5c.; oz., 15c.

Ice Plant.

Pretty, summer, trailing annual for vases and rock-work; leaves covered with ice-like drops. Pkt., 5c.

Ipomoea.

One of the most beautiful, climbing plants in cultivation for the greenhouse or sheltering situations outdoors. It belongs to the same family as the Morning Glory. (See Moon Flower, also Morning Glory.)

Hybrida Mixed. Flowers very large and beautiful. Pkt., 10c.

Lantana.

A free-flowering, shrubby plant, 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.

Hybrida Fine Mixed Pkt., 10c.

LARKSPUR, or Delphinium.

A very ornamental class of profuse blooming plants. Their tall spikes of many colored flowers produce a striking effect when planted in groups. Hardy annual.

Dwarf Rocket. Finest colors . . Pkt., 5c.; ¼ oz., 20c.

Tall Branching. Finest Mixed Pkt., 5c.; ¼ oz., 20c.

Perennial Mixed Pkt., 5c.; ¼ oz., 20c.

Finest Double Mixed Pkt., 10c.; ¼ oz., 25c.

GLADIOLI

The wondrous beauty of the new named varieties will surprise and delight you. See page 75.

Linum, or Crimson Flax.

Beautiful and effective; hardy annual, about eighteen inches high; covered with bright, scarlet flowers.

Crimson Pkt., 5c.; oz., 35c.

Perennial. Mixed Pkt., 5c.; oz., 35c.

Lychnis.

There are few plants that produce more brilliantly colored blossoms than Lychnis. They are borne in clusters and continue fresh and brilliant for a long time. Hardy perennials; one to three feet high.

Haageana Hybrida. Mixed . . Pkt., 10c.; ¼ oz., 25c.



Larkspur.



Double Hollyhock.



Lobelia.
(Flower only, about life size.)

LOBELIA.
Delicate, low-growing, annual plants of the greatest value for borders, ribbons, edgings, rock-work and hanging baskets. (See cut.)

- Gracilis. Blue, trailing; beautiful for baskets. Pkt., 10c.; ¼ oz., 25c.
 - Crystal Palace. Dark blue; fine for bedding Pkt., 10c.; ¼ oz., 25c.
 - Crystal Palace Compacta. Plant dwarf; flowers very fine and rich, deep blue; finest for bedding and edging. Pkt., 10c.; ¼ oz., 50c.
 - White Lady. New white flowering. Pkt., 10c.; ¼ oz., 30c.
 - Cardinalis, Perennial. Taller than other sorts; flowers rich red. Pkt., 10c.
- LUPIN, or Lupinus.**
Very desirable shrubby plants, bearing long spikes of various colored flowers.
- Annual Mixed Pkt., 5c.; oz., 20c.
 - Perennial Mixed Pkt., 5c.; oz., 25c.



Mignonette.

MIGNONETTE.

A quick-growing annual, highly esteemed for its delicate fragrance. It grows most rapidly and produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring. A second planting should be made about the first of August to furnish large, fine spikes of flowers during the cool, fall months.

- Odorata Grandiflora. Large, well-formed, fragrant flowers. Pkt., 5c.; oz., 20c.
- Machet. Dwarf; flowers red. Pkt., 10c.; ½ oz., 15c.
- Parson's White. Flowers almost pure white; very fine. Pkt., 10c.; ½ oz., 15c.
- Golden Queen. Dense dwarf growth; flowers golden yellow; deliciously fragrant. Pkt., 10c.; ½ oz., 15c.
- Allan's Defiance. A choice strain for forcing. Spikes of enormous size and intensely rich perfume. One of the most desirable for open ground. Pkt., 10c.; ½ oz., 25c.



MORNING GLORY.

MIMULUS.
Moschatus, or Musk Plant. Cultivated for its rich, musky odor. Should have a rich soil and ample moisture. Hardy perennial Pkt., 10c.

Trigrinus Nanus, or Monkey Flower, Mixed, beautifully spotted, all colors. Pkt., 10c.

Mimosa, or Sensitive Plant.
Pudica. Very curious and interesting plant, its leaves closing if touched or shaken. Annual Pkt., 5c.

MOON FLOWER, or Ipomoea Mexicana Grandiflora.
Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c.; ¼ oz., 20c.

MORNING GLORY.
The tall varieties are popular, well known, rapid-growing climbers of the easiest cultivation. Very fine for covering arbors, trellises, porches, etc. The Minor, or Dwarf varieties flower very freely and do not require support. (See cut.)

- Convolvulus Major. Tall, choice, single mixed, all colors Pkt., 5c.; oz., 15c.
- Convolvulus Minor. Dwarf mixed. Pkt., 5c.; oz., 25c.
- Double Mixed Tall Pkt., 5c.; oz., 25c.
- Imperial Japanese Fringed. These have very large fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage. Mixed Pkt., 10c.; oz., 25c.
- Japanese Double Mixed. This double Japanese sort is very fine in leaf, flower and growth. Pkt., 10c.
- Japanese Single Mixed Pkt., 5c.; oz., 20c.



Marigold.

GET BUSY.
Make your yard beautiful.

MARIGOLD, or Tagetes.

The French and African Marigolds are valuable for their flowers in summer, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. Color of flowers, yellow, red, brown and variegated. (See cut.) The African Varieties are the taller in growth, and produce large, self-colored blossoms. The French Varieties are smaller, some of them being elegantly striped and spotted.

- African. Tall or dwarf, double mixed. Pkt., 5c.; oz., 40c.
- French. Tall or dwarf, double mixed Pkt., 5c.; oz., 35c.

Nemophila.

Hardy annuals of neat, dwarf, compact growth; fine for borders, pot culture or Rockeries. Flowers blotched and beautiful. Mixed varieties Pkt., 5c.

Nigella.

Love-in-a-Mist, or Devil-in-the-Bush. Compact growing, free flowering plants, with curious looking, showy flowers and finely cut foliage. Hardy annuals. Mixed Pkt., 5c.

Nicotiana.

A very showy plant, producing pure white, star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half-hardy annual, three feet high.

- Affinis Pkt., 5c.; ¼ oz., 25c.

ROSES

*New Varieties
Best Types*

See Plant Department.

Nasturtium

TROPAEOLUM.

These well-known flowers need no description. They have recently been greatly improved and are now among the most attractive climbers, bedding and border plants. All Nasturtiums flower best where the soil is not too rich. Hardy annuals, of easy cultivation. There are many different colors or combinations of colors in the new hybrids, including various shades of rose, salmon, bright red, pale yellow, etc., either self-colored or spotted, mottled, striped and margined.

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their marvelous quantities of bloom, borne in uninterrupted splendor from early summer until cut down by frost. Their ease of culture, rapid and luxuriant growth of twelve to fifteen feet in height render them worthy of great popularity.

SNOW QUEEN (New), Fine for Borders.

Quite distinct from any other Nasturtium. Flowers white when opening, gradually assuming a creamy tint. Plants very, very dwarf and an admirable subject for bedding in conjunction with Blue Lobelia. The prettiest and most distinct Dwarf Nasturtium introduced to date. Sold in packets only at 20c. each; 3 for 50c.

IVY LEAVED (New).

This unique and most beautiful climbing Nasturtium now comes entirely true to type. It is different from all other Nasturtiums, both in foliage and in flower. The plants are of running growth with star-like pointed leaves of rich green, veined with white, so that the young shoots, where the leaves are set quite closely together, have a marked resemblance to the foliage of the hardy English Ivy. The flowers are of medium size, intense glowing scarlet in color, and of most distinct form. The petals are quite narrow, and standing well apart from each other present a striking, star-like appearance. Desirable not only as a bedding variety, but also as a basket or vase plant, where the trailing branches show off the beautiful foliage and star-like, scarlet flowers to the greatest advantage.

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

TALL OR CLIMBING NASTURTIUMS, Large Flowering.

- Zanderi Nigrum. Dark, rich red, almost black; very fine. Pkt., 5c.; oz., 15c.
- Golden Queen. New; finest and richest, pure yellow. Pkt., 5c.; oz., 15c.
- Lilli Schmidt. Handsome, orange scarlet; large. Pkt., 5c.; oz., 15c.
- Crown Prince of Prussia. Flowers rich, dark blood red. Pkt., 5c.; oz., 15c.
- Giant of Battles. Light yellow, spotted with red. Pkt., 5c.; oz., 15c.
- Pearl. Cream white; very fine. Pkt., 5c.; oz., 15c.
- Vesuvius. Salmon rose; leaves dark; fine. Pkt., 5c.; oz., 15c.
- Lobbianum. Choicest Mixed. The very finest flowering kinds, having a richness of color and a variety of brilliant shades and markings hitherto unknown. Pkt., 10c.; oz., 20c.; ¼ lb., 40c.

- Lobbianum. Fine Mixed. A very fine grade. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.
 - Tall Fine Mixed. Good mixture Pkt., 5c.; oz., 10c.; ¼ lb., 20c.
- SPECIAL—Above collection of seven named sorts, one packet each, for 25c.

DWARF OR TOM THUMB SORTS, Large Flowering.

- Dwarf Pearl. Almost pure white. Pkt., 5c.; oz., 25c.
 - Ruby King. Ruby red; fine form; dark leaved. Pkt., 5c.; oz., 25c.
 - Sunlight. Finest of yellows Pkt., 5c.; oz., 25c.
 - Spotted King. Dark Yellow, spotted with brown. Pkt., 5c.; oz., 25c.
 - Chameleon. New; cream white, spotted with bright scarlet, edged with dark scarlet; plant compact; leaves dark; a beautiful sort. Pkt., 5c.; oz., 25c.
 - Midnight. Dark leaved, compact bush; flower rich, dark, intense scarlet; very handsome; excellent for borders. Pkt., 5c.; oz., 25c.
 - Dwarf Mixed. Finest varieties Pkt., 5c.; oz., 15c.; ¼ lb., 30c.
- SPECIAL—The above collection of seven packets for 25c—SPECIAL.

FINE NASTURTIUMS

Coulee City, Wash., February 8, 1908.

Portland Seed Company, Portland, Ore.

Dear Sirs: Will you kindly mail me your catalog, as Nasturtiums I raised last year from seed from your house covered my front porch, and surpassed anything myself or any of my neighbors ever saw in that line. Yours very truly.

MRS. F. D. HAYNES.

Redmond, Wash., November 13, 1908.

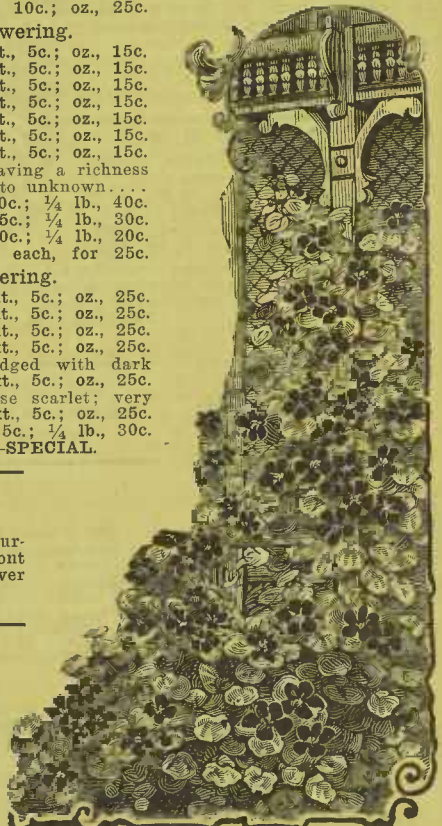
Portland Seed Co., Portland, Ore.

Gentlemen: I received your letter and the package of Bulbs both last night. They are in fine condition, although so long on the road. I was most agreeably surprised to get so many, such large fat Bulbs for so little money.

Yours truly
Box 124.

ETTA PENCE.

Our Flower Seeds come from the best growers in the world, and are always fresh, true and reliable. None better offered anywhere. Our mammoth flowering Holland-grown Nasturtiums are very fine.



TALL NASTURTIUM
(Showing Vine and Climbing Nature.)

PORTLAND'S FINEST LAWNS

Are made by planting Portland Seed Company's Fancy Mixed Lawn Grass Seed. See page 49.

**Choicest
Strains**

Pansies

**Finest
Varieties**

The Pansy is a plant that we all delight to grow for a plentiful supply of flowers all the year. For very early, outdoor bedding the seed is sown in the early fall, in a cold-frame, or in rich, moist, garden beds. Spring sowing should be made early, so as to secure good flowers during the early rains.

Our strains of Pansy seed cannot be surpassed in color and blooming qualities. The collections offered will give superb flowers in a great variety of beautiful colors.

Gold Medal Collection Pansies

Latest introductions direct from our German Pansy Seed Grower.

SPECIAL—One packet each of the seven varieties, only \$1.00.

MASTERPIECE—Giant Ruffled.

The truly giant-sized flowers of this wonderful Pansy are of the most distinct and striking character. The mommoth size, richness and beauty of colorings combined with the handsomely frilled or ruffled character of the petals, make the Masterpiece one of the most distinct and interesting novelties in Pansies ever developed.

Pkt., 20c.

PRINCE HENRY.

A new giant variety, of a brilliant, dark indigo blue, with violet luster, each petal having a large dark brown, veined blotch. Edges of petals, slightly ruffled.

Pkt., 20c.

HERO.

Very large, well shaped; has beautiful regularly crimped and curled edges. An exquisite, deep blue, shading to white on the upper petals; very showy.

Pkt. 20c.

PAPILIO.

New, very distinct. Handsome, large flowers of a violet lilac color; exceedingly rich.

Pkt., 20c.

CORONA.

Flowers large, citron yellow, with deep, black eye; upper petals richly veined and tinged with brilliant red. All petals curled and ruffled.

Pkt., 20c.

PSYCHE.

Each flower is elegantly curled and undulated, and in every respect a beauty in form and color. The characteristic, five velvety, violet blotches or eyes, are surrounded by a broad white edge.

Pkt., 20c.

PEACOCK, New.

A striking variety; the upper petals beautiful ultramarine blue, lower deep claret. Edged with white.

Pkt., 15c.

LARGE FLOWERING POPULAR SORTS.

Coquette de Poissy. Reddish lavender, maroon blotches on lower petals; novel and distinct.

Pkt., 10c.

King of the Blacks. This is an exceptionally fine strain of black.

Pkt., 10c.

Prince Bismarck. Brown and golden bronze, remarkably beautiful.

Pkt., 10c.

President Carnot. The ground color is white and each petal is almost covered with a deep, rich, velvety blotch of dark violet blue, leaving a broad, white margin.

Pkt., 10c.

Queen of the Blues. Flowers large, azure blue.

Pkt., 10c.

Snow Queen (Candidissima, or Lady-in-White). Very large, satiny white.

Pkt., 10c.

Victoria. The blooms are of good substance and form and deep claret red color.

Pkt., 10c.

Yellow Gem. A lovely, rich, pure yellow.

Pkt., 10c.

TRIMARDEAU GIANTS.

Of remarkably large size and robust growth; very fine.

Giant. White, Yellow, Striped, Black, Blue or Mixed.

Pkt., 10c.; ¼ oz., 75c.; oz., \$2.50.

SPECIAL—One packet of each of the six kinds, 50c.

Portland Seed Co.'s

ELITE LARGE FLOWERING MIXED.

This superb collection cannot be surpassed for size, shape, markings or richness of color of the flowers. No pains are spared by our German grower to make this strain absolute perfection in form, firmness of texture, size, freedom of bloom, and elegance and variety of markings and colorings. There is no mixed Pansy seed offered superior to this.

Pkt., 25c.; ¼ oz., \$1.00; ½ oz., \$1.50.

Cassier. A very fine mixture; flowers large and marked with three or five blotches.

Pkt., 25c.; ½ oz., 75c.

Odier or Blotched. Superb, large flowers, beautifully blotched with rich and varied colors. Extra mixed.

Pkt., 25c.; ½ oz., 75c.

Parisian Largest Spotted. New, very large flowering; very handsome.

Pkt., 25c.; ½ oz., 75c.

Bugnot. Flowers of enormous size, blotched and veined; the shadings comprise tints of red, bronze and brown not found in any other mixture.

Pkt., 25c.; ½ oz., \$1.00.

English Show Extra Mixed. An exceedingly fine mixture, all colors.

Pkt., 10c.; ¼ oz., 75c.; oz., \$2.00.

Fine Mixed. A fine assortment of colors.

Pkt., 5c.; ¼ oz., 50c.; oz., \$1.25.



The above Pansy cut is a direct reproduction from photograph of some of our large Flowering Pansies.

Pansy Plants See Plant Department.

PORTLAND SEED COMPANY'S

PASSION FLOWER, or Passiflora.

Most interesting and well-known climbers, bearing singularly beautiful flowers. Mixed.....Pkt., 10c.

PAMPAS GRASS, or Gynierum Argentum.

A noble ornamental grass, easily grown from seed, producing majestic plumes, that are inimitable for winter decorationPkt., 5c.

Perilla Nankinensis.

Dark purple foliage plant. Half-hardy annual..Pkt., 5c.

PENTSTEMON.

Beautiful, hardy, perennial, herbaceous plants, with extremely brilliant blooms. Their bell-shaped flowers are borne on long spikes, and are produced abundantly all summer. Mixed.....Pkt., 5c.; ¼ oz., 35c.



Pentstemon.

We have unlimited quantities of Flowering Plants in season. See Plant Department, pages 65 to 80.



Phlox Drummondii.

"APHISCIDE"
Page 82

PHLOX DRUMMONDII.

The blooms of Phlox Drummondii are unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. They are abundant, almost covering the foliage, and of long duration. Very desirable, and easily grown. For cutting for bouquets or for bedding in masses they are unsurpassed. Hardy annual, one foot high. (see cut.)

- Choice MixedPkt., 5c.; ¼ oz., 50c.
- Large Flowering. Mixed; flowers large and brilliant....Pkt., 5c.; ¼ oz., 60c.
- Large Flowering. Scarlet or whitePkt., 5c.; ¼ oz., 75c.
- Dwarf. Mixed; finest flowering sortsPkt., 10c.; ¼ oz., 50c.

Decussata.

Hardy perennial; mixed.....Pkt., 10c.; ¼ oz., 50c.

PETUNIA, Hybrida.

Too much cannot be said in praise of the Petunia as a bedding plant. Our clear, bright summers seem to bring out its best qualities. During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. 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. Hardy annual. Large assortment.

- Single Fine MixedPkt., 5c.; ⅓ oz., 25c.
- Single Choicest Mixed. Saved from the best flowers....Pkt., 10c.; ⅓ oz., 50c.
- Single Fringed Mixed. Large flowered; very desirable.....Pkt., 25c.
- Double Choicest Mixed. Full and handsomePkt., 25c.

Phormium, or New Zealand Flax.

Tenax. Has handsome, variegated foliage.
Pkt., 10c.; ¼ oz., 50c.

PINK, or Dianthus.

The Dianthus family embraces some of the finest of all flowering plants. The blooms 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.

- Chinensis. Double mixedPkt., 5c.; ¼ oz., 25c.
- Heddewigii. Color varies from richest velvety crimson to delicate rose. Single mixed..Pkt., 5c.; ¼ oz., 25c.
- Heddewigii Laciniatus. Fine, double fringed, finest assorted colors. Pkt., 5c.; ¼ oz., 50c.
- Laciniatus Alba Plena. Handsome, double whitePkt., 10c.; ¼ oz., 50c.

POPPY, or Papaver.

The Poppy is well-known and really a magnificent flower which is borne separately on tall stalks. Poppies are very showy and come in many bright and charming colors. They are hardy annuals, and may be sown where they are to remain, as soon as the ground can be prepared.

- Double Carnation Flowered. Fringed; colors are dazzling. Mixed.....Pkt., 5c.; oz., 25c.
- Shirley. The range of color, extending from white, through delicate shades of pink, rose and carmine, to deepest crimson; fine for cutting. Best Single MixedPkt., 10c.; ¼ oz., 25c.
- Iceland, or Nudicaule. These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion and most useful for cutting; hardy perennial. (See cut.)
- Mixed ColorsPkt., 10c.; ¼ oz., 40c.
- Double Scarlet or White.....Pkt., 5c.; oz., 25c.
- Double American Flag. White, bordered with scarlet.. Pkt., 5c.; oz., 30c.
- Umbrosum. Rich vermilion, with a glossy, black spot on each petal; single.....Pkt., 5c.; oz., 30c.
- Bracteatum. Hardy perennial; very showy red..... Pkt., 5c.; ¼ oz., 20c.
- California Poppy. See Eschscholtzia, page 37.



Iceland Poppies.

BOOKS—Read what the best writers say on gardening; see book list, page 48.

PORTULACA, or Rose Moss.

Brilliant, dwarf annuals, only six inches high, luxuriating in warm situations, and blooming profusely from early summer to autumn. For low beds and masses of color from shade until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

Single Mixed Pkt., 5c.; ¼ oz., 25c.
 Double Mixed Pkt., 10c.; 1-16 oz., 25c.

Primrose, Evening, or Oenothera.

The Oenothera, or Evening Primrose, produces large, showy blossoms, which are fully expanded only during the evening and early in the morning. The flowers, which are from three to four inches across, attract much attention on account of their size, beauty and the rapidity with which they open. They are constant and prolific bloomers.

Fine Mixed Pkt., 5c.; ¼ oz., 25c.



Portulaca.

RED CLAY
 Flower Pots.
 See index.

SALVIA, or Flowering Sage.

Very ornamental; flowers borne in spikes of fiery red or crimson, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil, one to two feet apart. Excellent for bedding in masses or single planting. Hardy annuals. (See cut.)

Salvia Splendens. Brilliant Scarlet Pkt., 10c.; ¼ oz., 50c.

Bonfire (Clara Bedman). One of the finest Salvias ever introduced; compact bush about two feet in height and diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark-green foliage and completely cover the plant.... Pkt., 15c.; ¼ oz., \$1.00.

For Salvia Plants, see Plant Department.

SALPIGLOSSIS.

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals.

Fine Dwarf Mixed Pkt., 5c.; ¼ oz., 25c.
 Grandiflora. Mixed. Large flowering Pkt., 10c.

Saponaria.

Pretty, dwarf bedding plants. Red, white and scarlet flowers. Hardy annuals.

Fine Mixed Pkt., 5c.

Schizanthus.

Beautiful, garden annuals, flowers charmingly fringed and delicately colored; one to two feet.

Mixed Colors Pkt., 5c.; ¼ oz., 15c.

SCABIOSA.

Sweet Scabious, or Mourning Bride.

Free-flowering annuals; colors, white, carmine, lilac, maroon, etc. Very effective for garden decoration and valuable for cutting; one foot.

Dwarf or Tall Double. Mixed colors Pkt., 5c.; ¼ oz., 15c.

SMILAX.

Charming, tender, perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green; very graceful; excellent for decoration. (See Plants.) Pkt., 10c.; ¼ oz., 25c.

SNAPDRAGON, or Antirrhinum.

One of the most useful and showy of border plants. of almost every color, and striped as beautifully as Carnations. They have recently been much improved and are now really magnificent. Hardy perennial.

Tall, Finest Mixed Pkt., 5c.; ¼ oz., 20c.
 Dwarf, Finest Mixed Pkt., 5c.; ¼ oz., 20c.
 Pure White. Dwarf Pkt., 10c.; ¼ oz., 30c.
 Firefly. Dwarf; best scarlet. Pkt., 10c.; ¼ oz., 30c.

Statice, or Sea Lavender.

Beautiful for winter bouquets; flowers very pretty. Annual Varieties. Mixed Pkt., 5c.
 Perennial Varieties. Mixed Pkt., 5c.

Stipa Pennata.

Feather Grass. Grown for their plumes... Pkt., 10c.



Primula Sinensis.

PRIMULA, or Primrose.

The first three varieties named below are hardy, early blooming garden plants, and the others beautiful, winter blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a sandy loam and leaf mold. (See cut.)

Polyanthus. Early blooming, dwarf growing plants, valuable for outdoor bedding. Mixed Colors... Pkt., 10c.; 1-16 oz., \$1.00.

Vulgaris. Yellow, common, English Primrose..... Pkt., 10c.; ½ oz., \$1.00.

Japonica, or Japanese Primrose. The beautiful, large, various colored flowers stand in whorls, pyramidically arranged on short flower stems; one foot high; though perennial, new plants flower more freely, and seed should be sown every year. Mixed Varieties, Pkt., 25c.; 1-16 oz., \$1.00.

Sinensis, or Chinese Primrose. The beautiful, large, fringed flowers stand in pyramids arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. (See cut.) Finest mixed Pkt., 25c.; 1-32 oz., \$2.00.

Sinensis. Pure White or Red Pkt., 25c.

Sinensis. Alba. New; finest large white. Pkt., 50c.

Sinensis. Double finest mixed Pkt., 50c.

Obconica Grandiflora. A lovely profuse-bloomer, bearing beautiful single flowers. This is really an everblooming plant, producing elegant clusters of flowers continuously throughout the year. Pkt., 10c.; 1-16 oz., \$1.50.

Pyrethrum.

Very ornamental plants, for both foliage and flowers. Parthenium Aureum, or Golden Feather. Beautiful, gold leaved, flower white Pkt., 10c.
 Selaginoides. Fine, fern-leaved sort; flowers bright, golden yellow Pkt., 10c.

FERN BALLS Cut in half and placed in fern pans make a beautiful mass of green. (See Index.) **FERN BALLS**

1909

SWEET PEAS

1909

Portland Seed Co.'s GOLD MEDAL COLLECTION Rare Novelties That Have Won Recognition

These have been carefully selected, choosing only those of real distinction that give promise of becoming permanent types. If there is a new Sweet Pea that is worthy, we can supply it.

SPECIAL—One pkt. each of the following ten varieties, amounting to \$1.50, sent postpaid to you for \$1.00. Order early as supply is limited.

Helen Scott

White. Portland Seed Company's new giant flowered white Sweet Pea. Helen Scott is of glorious open form, wings and standard beautifully poised, flowers of the true Spencer type, often measuring 2 1/4 inches across, and borne 3 and 4 on long strong stems. No other Sweet Pea can equal this magnificent new white. Price, per pkt. 25 seeds, 25c.

Geo. Herbert

Carmine Rose. A brilliant rosy carmine of giant size, generally borne four on a stem; both standard and wings waved and fluted. The most magnificent and beautiful of the new Spencers; particularly effective in artificial light.

Price, pkt., 15c.; 1/2 oz., 25c.; 1 oz., 40c.

Frank Dolby

Lavender Color delicate light lavender of great beauty, bold, wavy standard with widely spreading fluted wings.

Price, pkt., 15c.; 1/2 oz., 25c.; 1 oz., 40c.

Paradise

Light Pink. As its name implies is the perfection of loveliness, being the most beautiful of the light pinks, an improved Countess Spencer, producing under ordinary cultivation a large portion of its flowers four to the stem, of grand size and substance, finely expanded and beautifully waved, perfectly self-colored, both standard and wings, being evenly suffused with the most delicate soft pink; a vigorous grower, long stems.

Price, pkt., 15c.; 1/2 oz., 25c.; oz., 40c.

Primrose Spencer

Primrose. The first Primrose of the Spencer type, and a worthy companion to the white Spencer; when shown together each adds to the beauty of the other; the creamy yellow of the Primrose Spencer being deepened and enhanced by the snowy whiteness of the magnificent White Spencer, the great purity and beauty of which is emphasized by the contrast.

Primrose Spencer grows to a height of 8 to 9 feet, is very vigorous and free flowering, never bearing less than three large flowers, generally four, on long, heavy stems. Is as deep in color as any of the so-called yellow Sweet Peas, and surpasses all others of this color in size and beauty of form, length of stem keeping qualities and vigor of growth. Price, pkt., 15c.; 1/2 oz., 25c.; oz., 40c.

QUEEN ALEXANDRA.

Scarlet.

This is an intense scarlet of grand texture—a bold robust flower of finest form. The plant is vigorous and must be given plenty of room. It is very free flowering, the flowers do not burn in the sun and are of giant size with long stems. Be sure to try it this season.

Pkt., 10c.; oz., 20c.

HENRY ECKFORD, Orange.

Absolutely distinct—a rare, rich color. This flower is perfection in shape and size. Its unique color is described by various admirers as follows: Orange, Orange-Scarlet, Orange-Salmon, Salmon, Shrimp, Flame, etc. Even some of the leading Flower Artists have been baffled for a true description, but it is pretty well agreed that orange is the principal component.

For night decoration it has no equal. It is as effective in artificial light as in daylight.

The plant is wonderfully free flowering, robust, vigorous in growth and spreading and should be allowed plenty of room.

Pkt., 10c.; oz., 20c.

NITRO-CULTURE on Sweet Peas makes more and finer flowers. See page 32.



IT'S A FACT

That you cannot buy TRUE SEEDS of the LATEST Sweet Peas at prices offered by some dealers—you get substitutes.

IT'S A FACT

GOLD MEDAL COLLECTION—Continued

E. J. CASTLE—Crimson Rose.

A magnificent open form flower of grandest size and unique coloring, being a rose crimson veined deeper rose, its brilliancy being enhanced by artificial light; fluted border; Spencer type.

Price, Pkt., 15c.; ½ oz., 25c.; oz., 40c.

MRS. COLLIER—Primrose.

Beautiful rich primrose self-color, entirely free from any suggestion of pink; flowers very large, semi-hooded, borne three and four on long stiff stems. Mrs. Collier is the finest Primrose Sweet Pea; the latest and best of the type.

Price, pkt., 15c.; ½ oz., 25c.; oz., 40c.

Bonanza, Oregon, March 7, 1908.

Portland Seed Co.,
Portland, Oregon.
Gentlemen:

I got some of your Sweet Pea Seed last year, and found it to be the best I ever raised and am going to try it again.

Respectfully,

MRS. FRANK ELDRED.

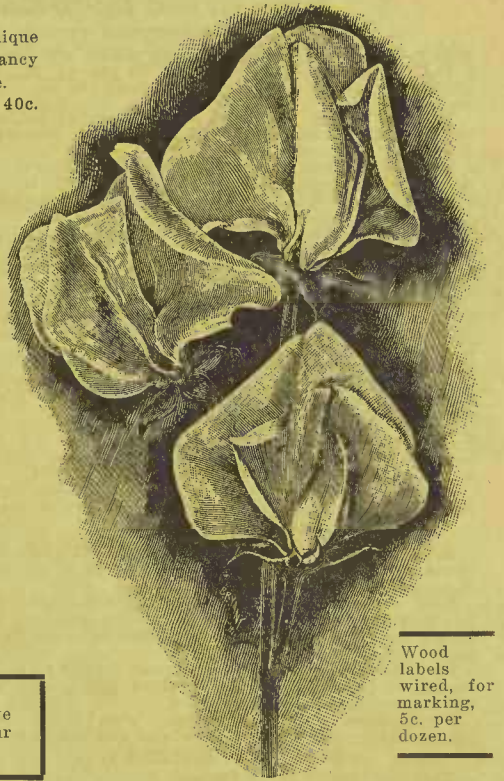
NORA UNWIN—White.

A grand new pure white of the same beauty of form, waved and fluted standard and wings, as Gladys Unwin. Flowers of grand substance, borne three on long stems. This pea was given an award of merit at the trials of the N. S. P. S., Reading, England, and is one of the finest whites ever grown.

Price, pkt., 15c.; ½ oz., 25c.; oz., 40c.

PROTECTION

It costs about \$500.00 per year to test the seeds we offer. This testing proves their vitality, and is your protection.



Wood labels wired, for marking, 5c. per dozen.

OUR DIAMOND COLLECTION

Of the twelve finest large flowering Sweet Peas, which our growing tests have proven to be the best of their colors. Many of them are rare and costly varieties.

One full pkt. of each variety, 50c.; one ounce of each, \$1.00.

For description see general list.

Black Knight Dark Claret
Dainty White with pink edge
Dorothy Eckford Pure White
Flora Norton Rich Light Lavender
Jessie Cuthbertson Striped Cream and Rose
Janet Scott Bright Pink

King Edward VII. Crimson
Maid of Honor Blue and White
Miss Willmott Orange Pink
Romolo Fiazzini Violet
Scarlet Gem Bright Scarlet
Sybil Eckford Apricot Lemon

SIX GRAND NEW SWEET PEAS

SPECIAL—1 PKT. OF EACH, 60c.; 1 OZ. OF EACH, \$1.50.

BURPEE'S WHITE SPENCER.

A pure white flower of enormous size. Standard beautifully crinkled and fluted, and the broad wavy wings over an inch in width are fully as deep as the standard. A true Spencer type. Flowers in good position, 3 and 4 on long, heavy stems; vines very vigorous, attaining a height of 10 to 12 feet, being covered with flowers which retain their enormous size throughout the entire season, and are of splendid substance, being good keepers when cut.

Price, pkt., 15c.; ½ oz., 25c.; oz., 40c.

PHYLLIS UNWIN—Deep Rose.

The largest of the Unwin types, beautifully waved and crinkled, standard upright, wings broad. Flowers 3 to 4 on long stems. Color a rare shade of deep rose self-color. Phyllis Unwin is a fixed type and will come true from seed.

Price, pkt., 15c.; ½ oz., 25c.; oz., 40c.

HELEN PIERCE—Mottled Blue and White.

A new type of Sweet Pea. Color pure white, peppered or mottled with bright blue. The effect is beautiful, especially when bunched by itself. The large shell-shaped blossoms come three or four on long stems.

Pkt., 10c.; ½ oz., 20c.; oz., 30c.

BOLTON'S PINK—Orange Pink.

Color orange pink of great brilliancy and beauty, retaining its brightness in the hot sun; vines inclined to be dwarf and stocky. Very free flowering, bearing three large boldly expanded flowers of great substance close together at the end of the long heavy stems; a distinctive variety.

Price, per pkt., 10c.; ½ oz., 15c.; oz., 25c.

GLADYS UNWIN—Light Pink.

A large, bold flower, not hooded, but with standard and broad wings. Of the new orchid-flower type, this is similar to Countess Spencer, but several shades lighter in its lovely pink color.

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

COUNTESS SPENCER—Pink.

The first Sweet Pea of the Spencer type. Originated in England, with the gardener to the Countess Spencer. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white suffused and tinted with soft shell pink, deeper at the outer edges. The size, form and coloring of Countess Spencer are simply exquisite and beyond the power of words to describe. The true seed is still very scarce.

Pkt., 15c.; ½ oz., 20c.; oz., 30c.

SWEET PEAS—Continued

Revised and Up-to-Date List of Choice Sweet Peas

FOR YOUR CONVENIENCE we have grouped the following varieties under their colors.

PRICES All varieties, except where otherwise stated, 5c., per pkt.; 10c., per oz.; 20c., per ¼ lb., 60c. per lb., postpaid. **PRICES**

WHITE.

Blanche Burpee. A grand large flower of beautiful form; firm, lasting substance and snowy whiteness; flowers on long, stiff stems.

Dorothy Eckford. Pronounced by Sweet Pea experts to be the grandest pure white yet seen. In addition to its pureness, it is a grand, giant flower. Grows an enormous mass of bloom.

Emily Henderson. The earliest blooming, standard pure white. Large flowers.

Mont Blanc. Extremely early; two feet in height. The flowers are a pure, paper white.

Shasta. A grand, new, white. Standard and wings are both large and wavy at the edges—the texture is firm and the pure white is very effective. It bears four blossoms to the stem usually facing one way, and the stems are long and stout.

White Wonder. Flowers pure white, large and borne on long, stout stems.

PINK AND WHITE.

Earliest of All. An improved strain of the very popular *Blanche Ferry*, beginning to flower fully a week earlier.

Blanche Ferry. Standard wide and erect, bright rose-pink; wings are creamy white, tinted with rose.

ROSE—Rich Shades.

American Queen. Flowers, large; most profuse in bloom; color, a clear salmon red, the large wings being of a bright, deep rose.

Lord Roseberry. Fine form and substance; very free flowering and robust. The flowers borne on long stems, are of a rose carmine showing veins of deeper rose.

Lord Kenyon. A fine, large flower, bright rose-pink, shaded at the edges of the standard and wings, with distinct richly colored veinings.

Royal Rose. Deep rosy pink, with wings of a lighter shade; flowers of largest size and fine form.

RED AND SCARLET.

King Edward VII. A lovely, intense crimson. A truly giant-flowered variety. The finest crimson to date. Strong stems and growth.

Mars. An intense glowing scarlet.

Prince of Wales. Rose crimson, fine sort.

Salopian. One of the finest scarlets; of largest size and fine form.

Scarlet Gem. The color is almost dazzling scarlet, beautiful, bright and clear. Strong growth; free flowering.

DARK RED AND MAROON.

Black Knight. Large size; a rich, dark claret, almost black; somewhat veined.

Duke of Sutherland. Deep claret, with strong reddish tinge, deepening to rich purple.

Duke of Westminster. Grand, large flowers. A beautiful shade of rosy claret.

Othello. A deep maroon self-color; very large.

Shahzada. Intensely rich dark maroon, with a tint of purple.

STRIPED AND VARIEGATED.

Aurora. Flowers large; beautifully flaked orange-salmon on a creamy-white ground.

America. Bright red on a silvery white ground; showy.

Jessie Cuthbertson. Creamy white striped rich rose; large.

CREAM OR LIGHT YELLOW.

Golden-Rose. The large flowers are of fine open form, with standard gracefully fluted. A clear primrose-yellow, beautifully flushed with rosy pink.

Hon. Mrs. E. Kenyon. Rich, primrose. A bold, giant flower. The best in this shade.

Mrs. Eckford. Quite large size. A beautiful shade of light primrose-yellow; fine for cut flowers.

Queen Victoria. Color a soft primrose-yellow.

Stella Morse. The color effect is richer than in any other of the creamy-yellow varieties. Has a faint tinge of pink underlying the cream.

SWEET PEAS IN MIXTURE.

Extra mixed, pkt., 5c.; oz., 10c.; ¼ lb., 20c.; ½ lb., 30c.; lb., 40c.

Large Flowering Mixed, pkt., 5c.; oz., 10c.; ¼ lb., 25c.; ½ lb., 40c.; lb., 60c.

Diamond Mixture

This will supercede our famous Grand Prize Mixture, and is the most perfect blend of the finest named varieties it is possible to produce. As formerly, this mixture will contain the novelties of the preceding season, and the addition of the rare Spencer types will complete the grandest mixture of new large flowering Sweet Peas ever grown. It will delight the most critical; if you are undecided as to the varieties or colors you want, buy the "Diamond Mixture."

Sold in 1 oz. sealed pkts. only, at 15c. each; two for 25c.; 5 for 50c.; 12 for \$1.00. Not sold in bulk.

PINK—Deep Shades.

Apple Blossom. Large, beautifully hooded; shaded and edged with soft rose on silvery white.

Janet Scott. A large grand flower; deep rich pink.

Jeanie Gordon. Very attractive; bright rose, shaded cream; slightly hooded; flowers large.

PINK—Light Shades.

Countess of Lathom. Fine, large flowers. A soft, cream tint heavily shaded with soft flesh-pink in the center of the standard and wings, shading much lighter at the edges.

Dainty. Large flowers, white with pink edge.

Katherine Tracy. Soft rosy pink, lighter at edges. A fine large flower, and of strong, vigorous growth.

Lovely. The most beautiful shades of soft shell-pink, changing to very light rose at the outer edges. Grand flowers of large size.

Lady Skelmersdale. Standard, light maccanta, lilac at edges, almost white at base. Wings white, tinged at times with pink.

Prima Donna. A most beautiful bright shade of blush-pink. Flowers of large size and finest form.

ORANGE AND SALMON.

Gorgeous. Deep salmon-orange. The coloring is intensely brilliant.

Lady Mary Currie. Large, salmon-pink and shaded with carmine.

Miss Willmott. Described as an "orange pink" delicately shaded rose. Enormous flowers borne erect on long, stiff stems. Truly a handsome and very pleasing variety.

Venus. Lovely salmon-buff, shaded with rosy pink. Fine, large flowers.

LAVENDER AND LIGHT BLUE.

Countess of Radnor. Fine size and form. A beautiful shade of light lavender.

Flora Norton. A beautiful rich lavender free from mauve or pink; large.

Lady Grisel Hamilton. Most attractive light lavender shading; flowers of large size.

Mrs. Walter Wright. Rosey lavender; large.

BLUE AND PURPLE.

Captain of the Blues. The flowers have the appearance of being a true blue.

Countess Cadogan. Large flowers. The color effect is that of a bright blue.

Mrs. Geo. Higginson, Jr. A new shade, "sky blue"; good size.

Navy Blue. Large flowers, deep, glowing violet-purple, having the effect of a dark navy blue.

BLUE AND WHITE.

Lottie Eckford. Large silvery-white flowers, beautifully shaded, and edged with soft lavender.

Maid of Honor. Flowers beautifully shaded with light blue on a white ground and boldly edged; deep, rich violet; very dainty.

DOUBLE SWEET PEAS.

Mixed. These have two to three standards and frequently three wings. The petals are beautifully incurved and frilled.

Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.00.

Phenomenal. This variety is practically a double *Lottie Eckford*, being white shaded and edged with blue. The blossoms are large and nearly always double.

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

CUPID OR DWARF SWEET PEAS.

These are grown from four to six inches high, and are beautiful grown in pots or planted for borders.

White, Pink, Scarlet, Primrose, Lavender, Striped, Maroon or Mixed. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

Perennial Peas

or *Lathyrus Latifolius*.

In general appearance these are the same as Sweet Peas; but the flowers are not so fragrant, they bloom through a long season, are perfectly hardy and will live for years.

Red, White or Mixed Pkt., 10c.; oz., 35c.

Sweet Sultan, or Centaurea.

Favorite annual of easy culture. Showy for the garden and greatly prized for bouquets. The large heads of bright flowers are very fragrant; 1½ feet.

Mixed Colors. Purple, White, etc. Pkt., 5c.; ¼ oz., 15c.

Sweet Rocket, or Hesperis.

An old hardy garden favorite. Fragrant white flowers; 2 to 3 feet. Pkt., 5c.; ¼ oz., 20c.

STOCKS—Double Ten Weeks.

These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden. They are great improvements over the Gilliflowers of the olden times, being much larger and more densely double, and a much larger variety of colors.

- Dwarf Large Flowering. White, Scarlet, Rose, Light Blue or Mixed. Pkt., 10c.; ⅓ oz., 50c.
- Emperor, or Perpetual. Mixed. Pkt., 10c.; 1-16 oz., 50c.
- Winter, or Brompton. Mixed. Pkt., 10c.; 1-16 oz., 50c.
- Giant Perfection. Handsome pure white. Pkt., 15c.; ⅓ oz., 75c.
- Giant Perfection. Double mixed. Pkt., 10c.; ⅓ oz., 50c.

SWEET WILLIAM, or Dianthus Barbatus.

A well-known, remarkably free-flowering plant, of brilliant colors, ranging from snow white to darkest crimson and purple. They emit a very delicate and refreshing fragrance. Hardy perennial.

- Single Mixed. Very beautiful. Pkt., 5c.; ¼ oz., 25c.
- Dunnett. Dark crimson, single. Pkt., 5c.; ¼ oz., 30c.
- Pure White. Single. Pkt., 5c.; ¼ oz., 25c.
- Double Mixed. Pkt., 10c.; ¼ oz., 25c.

SHAMROCK.

True Shamrock Seed is very rare, and has never before been offered in this country. It is a hardy perennial and will thrive in any good garden soil. We will fill all orders in rotation until sold out. Order now.

Price, pkt. of 50 Seeds 25c.

SUNFLOWER, or Helianthus.

Stately growing annuals with immense golden yellow flowers; effective for garden decoration.

- Double Dwarf. Covered with three inch double flowers of brightest golden yellow. Pkt., 5c.; oz., 20c.
- Globulus Fistulosus. Saffron, very large, double and handsome. Pkt., 5c.; oz., 25c.
- Multiflora. Beautiful, double yellow flowers. Pkt., 5c.; ¼ oz., 25c.
- Mammoth Russian. See Field Seeds.

THUNBERGIA.

Rapid-growing annual climbers; splendid for trailing over trellises, fences, etc.; beautiful flowers borne in profusion; buff, white, orange, etc.; 4 to 6 feet high.

Mixed Colors Pkt., 5c.; ¼ oz., 25c.

Tritoma.

Sometimes called Red Hot Poker. This is a fine, handsome plant. It is hardy, though requiring some protection through the winter. The flowers are produced in large spikes of brilliant, rich flowers. Cut flowers keep a long time. Half-hardy perennial.

Uvaria. Dazzling orange red. Pkt., 15c.

Vinca.

Tender perennial. Fine for pot culture. Flowers white and pink.

Mixed Pkt., 10c.



Violet.

Zea, or Ornamental Maize.

- Japonica Variegata. Finest mixed. All varieties Pkt., 5c.
- Gracillima mixed Pkt., 5c.



VERBENA.

Stocks.

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. They flower in July and continue strong and health until destroyed by frost.

- Hybrida Choicest Mixed. Very finest. Pkt., 10c.; ¼ oz., 50c.
- Mammoth Mixed. Selected: extra large, fine. Pkt., 15c.; ¼ oz., 75c.
- Fine Mixed. Pkt., 5c.; ¼ oz., 25c.
- Candidissima. Pure white. Pkt., 10c.; ¼ oz., 50c.
- Scarlet Defiance. Fiery scarlet. Pkt., 10c.; ⅓ oz., 50c.
- Pink Shades. Pkt., 10c.; oz., 50c.
- Coerulea. Bright blue Pkt., 10c.; ¼ oz., 50c.

Lemon Verbena.

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Pkt., 10c.

Viscaria—Rose of Heaven.

Their profuseness of bloom will always rank them among general favorites.

Fine Mixed Pkt., 5c.

VIOLET.

Viola Odorata is the well-known English Violet, a free flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places.

- Odorata Blue. Very fragrant. Pkt., 10c.; ⅓ oz., 50c.
- Odorata White. Very fragrant Pkt., 10c.; ⅓ oz., 50c.
- Odorata. Finest mixed. Pkt., 10c.; ¼ oz., 75c.

Valeriana.

Fine border plants; sweet scented flowers. Fine Mixed Pkt., 5c.

Virginian Stock.

A fine, early flowering plant. Hardy annual. Mixed. Pkt., 5c.; ¼ oz., 15c.

WALL FLOWER.

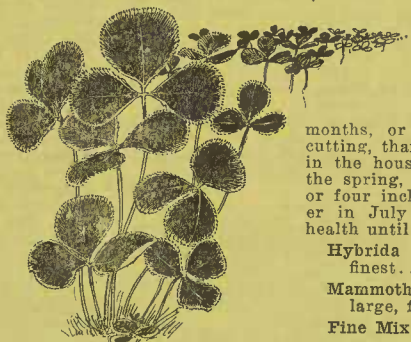
(Cheiranthus Cheri.) Produces spikes of beautiful, exceedingly fragrant flowers. Half hardy perennial.

- Mixed. Single, large flowering Pkt., 5c.; ⅓ oz., 25c.
- Parisian Forcing. Single Pkt., 10c.
- Finest Double Mixed. Branching. Pkt., 10c.; ⅓ oz., 75c.

ZINNIA ELEGANS.

Of easiest cultivation and should be in every collection. Half hardy annuals.

- Tall Double. Mixed Pkt., 5; ¼ oz., 25c.
- Dwarf Double. Mixed Pkt., 5; ¼ oz., 25c.
- Dwarf Scarlet Pkt., 5; ¼ oz., 25c.



TRUE IRISH SHAMROCK
Plants in season 25c each



Tritoma.

"KNOWLEDGE IS POWER"

NEW BOOKS

STANDARD BOOKS BY PRACTICAL MEN WHO ARE RECOGNIZED AUTHORITIES

In this age of applied sciences you cannot afford to be without the necessary reference books on the subjects that interest you.

All books postpaid at following prices:
Note—C indicates cloth; P, paper cover.

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A B C and X Y Z of Bee Culture. For the veteran as well as the beginner. While the book is in a true sense an A B C of Bee Culture, in that it is adapted to the requirements of beginners, no veteran, no matter how extensive his experience, can afford to be without a work of this kind, containing as it does a carefully prepared treatise on every late method of practice known to the business; 500 pages.....C	\$1.35	Bee Keeper's Guide. Cook. 500 pages.....C	\$1.35
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POULTRY AND PIGEONS

American Standard of Perfection. This book is used as a guide in producing standard-bred or exhibition fowls. In this book will be found the name of every breed and variety of chickens, turkeys, ducks and geese, and a minute description of each variety, male and female, covering every section in both shape and feathering. Every fancier should have this new 1905 edition (the latest).....C	\$1.50	Leghorns, All Varieties.....P	.50
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Note—"Artificial Incubating" and "Successful Poultry Keeping" should be in every poultryman's library. The knowledge gained by reading these two books will be worth ten times the price of the books.

BOOKS FREE See premium offer, inside front cover. **BOOKS FREE**
You can get any of the above books free.

Clover and Grass Seeds

There are a great many of these seeds offered by Eastern seedsmen (often under new names), that do not produce profitable crops here. We have prepared for you a list of the kinds that are best adapted to this Coast, and by carefully perusing this and the following pages you will get valuable information that has taken years of study, trial and experimenting to procure.

IMPORTANT — Please Read Following Paragraph — IMPORTANT

YOU WILL ALWAYS GET YOUR MONEY'S WORTH.

Clover, Grass and Field Seeds are Subject to Market Changes, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity wanted, or order what you want at catalog prices and we guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower. In other words, we will always ship seed to cover the full amount of money sent to us.

New Perpetual Clover

(Trifolium Pannonicum.)

A wonderful new clover of giant size introduced by the famous Swiss Agronomist, Dr. Stebler. Endorsed by the U. S. Department of Agriculture. It is claimed for it, that it reproduces itself perpetually. This clover makes a slow growth the first year, only forming tufts. The second year and ever after, bearing two crops yearly of excellent fodder of the same food value as red clover. Grows to a height of over three feet. Blossoms creamy white and double the size of other varieties. Culture same as red clover, and should be cut when first blossoms form.

Perpetual Clover requires a deep moist soil.

We were fortunate in securing a few pounds of this wonderful new clover, and will offer it in limited quantities for introduction.

Price, postpaid, 1 oz., 25c.; $\frac{1}{4}$ lb., 75c.; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.00.

Get a good Seed Sower, it will pay for itself the first season, insures an even stand, prevents waste. See page 59



PORTLAND SEED CO.'S "DIAMOND BRAND" FANCY MIXED LAWN GRASS SEED

To have a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used on it. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Sow our "Diamond Brand" Fancy Mixed Grass Seed. None better.

More fine lawns in the Northwest have been made from Portland Seed Co.'s Mixtures than from any other. We use only the choicest re-cleaned, heavy, grass seeds. Our seeds will produce a fine, thick, velvety lawn in a few weeks' time if you prepare the ground properly, and sow the seed thickly. Don't buy cheap seed. It only means a poor lawn. Sow our seed at the rate of one pound to 20 feet square; 10 to 15 pounds to the average city lot. Per lb., 25c.; postpaid, 35c.; 10 lbs., \$2.25.

Fine Mixed Lawn Grass

This is a good, clean mixture, composed of hardy, compact growing grasses, and for the price is of good value. Per lb., postpaid, 25c.; by express, 10 lbs., \$1.50.

CLOVER AND GRASS SEEDS—Continued

NOTE—Grass Seed Prices subject to change without notice. See note top of page 49—NOTE.

Red Clover

(Trifolium Pratense.)

The standard Clover for all purposes. Hardy and succeeds well on any good soil. Makes superior hay—especially if mixed with Timothy—either for dairy cows or for general use.
Per lb., postpaid, 30c., 100 lbs., \$15.00; fancy, \$17.00.

Mammoth Red Clover

Grows very large and is used almost exclusively for plowing under for manure.

Per lb., postpaid, 30c.; 100 lbs., \$16.00.

White Dutch Clover

(Trifolium Repens.)

A small variety, having a white blossom. Of a vining nature, spreading rapidly. Superior for pasture, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass.

Choice Seed, per lb., postpaid, 35c.; 10 lbs., \$2.10.
Fancy Seed, per lb., postpaid, 40c.; 10 lbs., \$2.50.

Crimson or Scarlet Clover

(Trifolium Incarnatum.)

Highly commended for pasture and fertilizing purposes. It is a thrifty annual, growing from twenty to thirty inches high. It germinates quickly, grows rapidly and stools abundantly. Cut for hay when in full bloom.

Per lb., postpaid, 25c.; 100 lbs., \$12.50.

Bokhara, Sweet or Honey Clover

(Melilotus Alba.)

A rapid growing, white flowered sort; excellent for bees. Sow ten pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$20.00.

Bur Clover

(Medicago Denticulata.)

Yields a rank and abundant growth of nutritious herbage valuable for dairies, stock ranges and fertilizing purposes. Bur Clover not only makes a good green fodder, but it bears a large amount of exceedingly nutritious seed burs, which will keep stock fat during the dry season. Sow in the spring or fall, 15 to 20 lbs. per acre.

Per lb., postpaid, 35c.; 10 lbs., \$2.00; 100 lbs., \$18.00.

Alsike or Swedish Clover

(Trifolium Hybridum.)

A perfectly hardy perennial variety which is rapidly growing in popular favor. Excellent for hay and pasture. Valuable for bees. Resists both drought and excessive moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses.

Per lb., postpaid, 30c.; 100 lbs., \$17.00; fancy, \$19.00.

Alfalfa or Lucerne Clover

(Medicago Sativa.)

The immense cattle and sheep interests of the Western States could not exist if it were not for Alfalfa. It is no doubt one of the best fodder plants in the West. It should be cut just before coming into bloom. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in the spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before frost.

Per lb., postpaid, 35c., 100 lbs., \$19.00.

Dry Land Alfalfa

For High, Dry, Hot Land.

This new Dry Land Alfalfa will produce large, profitable crops of hay and excellent pasture on the high, dry lands of Eastern Oregon, Washington, Idaho and Utah. This is especially recommended for the hills and plateaux where irrigation is impossible. It comes from the highest, dryest alfalfa sections, and is very superior seed. Per lb., postpaid, 35c.; 100 lbs., \$20.00.

Turkestan Alfalfa

Will produce a luxuriant growth in the dryest and hottest sections, without irrigation. It is perfectly hardy and will stand extreme cold in winter without harm. It yields a very heavy and rich crop of hay and makes a permanent pasture. We have secured a good stock of the pure, genuine imported seed.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

Esperette, or Sainfoin

(Onobrychis Sativa.)

A deep rooting, perennial legume, extensively cultivated on dry, calcareous soils, which are too barren for Clover or Alfalfa. Sow 50 lbs. per acre.

Per lb., postpaid, 30c.; 100 lbs., \$14.00.

Nitro-Culture; nothing like it for clover.

See page 32.

GRASS SEED**-Kentucky Blue Grass**

(Poa Pratensis.)

One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year.

For Lawns—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures.

Per lb., postpaid, 35c.; per 100 lbs., \$18.00.

Blue Grass, Canada

(Poa Compressa.)

Recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil.

Per lb., postpaid, 30c.; 100 lbs., \$14.00.

Timothy

(Phleum Pratense.)

This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall.

Per lb., postpaid, 20c.; 100 lbs., \$7.00.

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.

Per lb., postpaid, 30c.; 100 lbs., \$20.00; fancy imported, \$21.00.

Red Top

(Agrostis Vulgaris.)

A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land it is advisable to mix it with Meadow Fescue, Orchard Grass or Alsike Clover.

Prime Seed, per lb., postpaid, 20c.; 100 lbs., \$9.50.

Choice Hulled, a very superior grade of Red Top that is free from chaff and light seed.

Per lb., postpaid, 30c.; 100 lbs., \$17.00.

Grass Seed Prices subject to change without notice. See note on page 49.

Bromus Inermis

(Russia Forage Grass—
Awnless Brome Grass.)

This Bromus, on account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It will stand the longest drouth of all forage plants. Its running roots take a deep and permanent hold upon the land, and it will replace, in a large degree, the fast disappearing Bunch Grasses of Eastern Oregon and Eastern Washington, where it has done well. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. It is a perennial and yields from 4 to 6 tons to the acre.

Per lb., postpaid, 30c.; 100 lbs., \$14.00.



Bromus Inermis.

English Rye Grass

(Lolium Perenne.)

A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay.

For Lawns this is used and recommended by many gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks it is very successful.

Per lb., postpaid, 20c.; 100 lbs., \$9.00.

MESQUITE.

(Holcus Lanatus.)

It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Sow about 35 lbs. to the acre.

In Chaff, per lb., postpaid, 20c.; 100 lbs., \$10.00.
Hulled Seed, per lb., postpaid 30c.

Meadow Fescue

(Festuca Pratensis.)

Perennial; grows three to four feet high. Roots deep, thus resisting drouth. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of other kinds.

Per lb., postpaid, 25c.; 100 lbs., market price.

Dry Land Fescue

This is especially adapted to rough, hilly country, and, in fact, to most varieties of land on which it is practically impossible to grow any other kind of seed. Sow either in spring or fall; from 20 to 30 pounds to the acre.

Per lb., postpaid, 30c.; 10 lbs., \$2.00; 100 lbs., \$16.00.

Italian Rye Grass

(Lolium Italicum.)

A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable.

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

SWEET VERNAL.

(Anthoxanthum Odoratum.)

Valuable to put in pasture mixtures and lawn grass on account of its earliness and its delightful fragrance when in bloom.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

CREEPING BENT GRASS.

(Agrostis Stolonifera.)

Well adapted for sandy pastures, near the coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

RHODE ISLAND BENT GRASS.

(Agrostis Canina.)

Resembles Red Top. Makes a close sod; valuable for permanent pastures and meadows.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

CRESTED DOG'S TAIL.

(Cynosurus Cristatus.)

A perennial grass with short, narrow leaves, valuable for lawns or pastures on dry, light land.

Per lb., postpaid, 65c.; 10 lbs., \$4.00.

BERMUDA GRASS.

(Cynodon Dactylon.)

Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow 6 pounds per acre.

per lb., postpaid, 75c.

HARD FESCUE.

(Festuca Duriuscula.)

Fine, rather dwarf, justly noted for its drouth-resisting qualities. Valuable as a pasture for sheep. Sow 20 pounds per acre.

Per lb., postpaid, 35c.; 10 lbs., \$2.00.

FLOATING FESCUE.

(Festuca Fluitans.)

A perennial with long, creeping roots and preferring a rich, muddy or alluvial soil. Trout and wild ducks are very fond of the seed and tender shoots.

Per lb., postpaid, 45c.

SHEEP'S FESCUE.

(Festuca Ovina.)

Grows freely in high, dry and open pastures. Its chief merit is for sheep pasture. Thirty-five pounds to the acre.

Per lb., postpaid, 35c.

WATER FESCUE.

(Glyceria Fluitans.)

This grass grows naturally in and beside ditches, pools, rivers and marshes.

Per lb., postpaid, 45c.

ROUGH-STALKED MEADOW GRASS.

(Poa Trivialis.)

A most valuable grass which flourishes in moist, rich soils.

Per lb., postpaid, 55c.; 10 lbs., \$4.00.

FOWL MEADOW.

(Poa Serotina.)

It yields well when sown on low, moist land. It can be mowed almost any time from July to October. Sow 25 pounds to the acre.

Per lb., postpaid, 40c.

TALL MEADOW OAT GRASS.

(Avena Elatior.)

Often attains a height of 3 to 4 feet by the middle of June. Makes splendid hay and thrives on sandy loam, but makes its best growth where there is some clay. Can be fed as a pasture grass, and will generally bear cutting three times. For mixing with Perennial Rye and Alfalfa for sandy soils it is excellent. Sow about 30 to 40 lbs. per acre alone, or half that amount if mixed with the above varieties.

Per lb., postpaid, 35c.; 100 lbs., \$18.00.

JOHNSON GRASS.

(Sorghum Halapense.)

A perennial of luxuriant growth. It has strong roots that penetrate to considerable depth, enabling it to withstand drouth well. It belongs to the Sorghum family and is sweet and nutritious and much relished by stock.

Per lb.

Tall Meadow Oat Grass. postpaid, 35c.; 100 lbs., \$14.

REED CANARY GRASS.

(Phalaris Arundinacea.)

Will Grow on the Wettest Land You Have.

A grass that will grow on stiff, wet land, even if the ground is overflowed for a month or six weeks. Makes a good hay if cut early in the season. Sow 10 pounds per acre.

Price, ½ lb., 40c.; lb., 75c.; postpaid; by freight, 5 lbs., \$3.00.

Single pound prices on Grass Seed include postage. In ordering by freight deduct 10c. per lb. 100-lb. prices subject to change. See page 49. For amount of Seed to sow per acre, see table inside back cover.

FIELD AND MISCELLANEOUS FARM SEEDS

Single pound prices include postage. If ordering by freight or express deduct 10c. per pound; 100-pound prices subject to market changes. Seed to cover amount remitted always sent unless otherwise ordered. See notes top page 49. Write for prices on large quantities.

Artichokes

ARTICHOKE
TUBERS.



Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best hog feed known; are remarkable for their fattening properties, great productiveness (over one thousand bushels having been raised on one acre) and ease with which they can be grown. They need not be dug; if hogs are turned in on them they will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is

frozen too hard for them to root. They are said to be a preventative of cholera and other hog diseases, and are also highly recommended for milch cows, increasing the yield of milk, and at the same time improving their condition. Plant 10 bushels per acre early in the spring.

Note—Tubers on hand from January to May.
Per lb., postpaid, 15c.; 100 lbs., \$2.00.

Australian Salt Bush

A Fine Forage Plant, for Arid Soils.

This wonderful forage plant will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. Single plants grown on the poorest alkali ground have reached a diameter of 16 feet in one season. One pound of seed will plant an acre if evenly scattered over the surface. The seed should be mixed with ten times its weight of sand or ashes to facilitate its distribution. Sow the seed in the fall or spring (winter sowing is not desirable) before a rain if possible, on well pulverized soil, and cover it lightly (about one-eighth of an inch) with a light harrow or brush. If desired, plants may be grown and transplanted when two to three inches high, six to seven feet apart. If the weather is dry when transplanting, supply a little water to each plant.
Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.25, postpaid.
Special price in quantity.

Barley

Beardless. The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season and land, has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season. Per lb., postpaid, 15c.; 100 lbs., \$2.75.

White Hulless or Bald Barley

White Hulless or Bald Barley. A grand Barley for stock feeding. Grain plump, heavy and when threshed is hulless like wheat. A heavy cropper. When grown and cut for hay it produces a magnificent fodder which is very rich and almost equal to a grain feed. Much relished by horses and stock of all kinds. An excellent hog feed. Culture same as common Barley.
Per lb., postpaid, 20c.; 10 lbs., 50c.; 100 lbs., \$3.00.

Common. We always aim to have a nice, clean stock of good Seed Barley on hand at all times.
Per lb., postpaid, 15c.; 100 lbs., market price.

ON TIME

Portland Seed Co., Portland, Ore.

Gentlemen: I have sent to you two different times for seeds and they came, each order, four days from the day I sent the letters prompt and good. Yours truly,

MRS. LORENA CHRISMAN,
Cornelius, Ore.

Mackay, Idaho, Jan. 11, 1908.

Portland Seed Co.,
Portland, Ore.

Gentlemen:

I raised nearly 500 lbs. of Shadeland Challenge Oats from the one pound bought from you last season, and I think they are the handsomest and most prolific oats in existence. They mature quite early, too, for mine were not sown until June 28, and got ripe.

Truly yours,
R. E. QUINCY.

Black Hulless Barley

Best of Grains for feeding or fattening stock. Greater Food Value than Corn.

Black Hulless Barley will thrive on the dryest Alkali soil where no other grain will grow. Sow in the fall or spring as late as June 15, 75 to 100 lbs. per acre. Will yield as high as 75 bushels to the acre, weighing about 70 lbs. to the measured bushel; does not shatter or shell out easily.

When planted in the fall its abnormal stooling habit and wide succulent leaves make it ideal for late fall pasture; yielding a full crop the next season. Stock prefer it to any other food. We have a limited supply only; order early.

Price, 1 lb., postpaid, 25c.; 10 lbs., express or freight, \$1.00; 25 lbs., \$2.00.

Broom Corn

Improved Evergreen. An improvement on the common Evergreen. Does not grow as tall as the old variety. The brush is fine and of light green tint.

Per lb., postpaid, 25c.; 10 lbs., \$1.00.

"FORAGE CROPS."

By Prof. Shaw.

Containing valuable information about Vetches, etc. See page 48.

Buckwheat

Common. Per lb., postpaid, 15c.; 100 lbs., \$3.25.
Silver Hull. Probably the most popular variety. Grain is of a light gray color, rounder than the common; has a thin husk; matures earlier and yields heavily. An excellent milling variety.

Per lb., postpaid, 20c.; 100 lbs., \$3.50.

Japanese. Seed of this variety is scarce and we cannot always supply it.

Price: Per lb., postpaid 20c.; 10 lbs., 75c.

Cheat Seed

Cheat yields a good crop of hay especially on low or moist soil and will stand considerable overflow without harm. It makes an excellent hay for cows or horses, but should be cut before it gets too ripe. Sow in the fall or early spring same as oats and about 100 pounds per acre. Market Price.

Corn Wheat

(Or German Roggen.)

This new cereal is said to outyield corn and double the yield of wheat. Has superior fattening qualities to either corn or wheat, and takes the place of rye for a green food, yielding nearly twice as much per acre. Prepare your ground as for wheat, and sow in the spring or fall, at the rate of 75 to 100 lbs. to the acre.

Price of Seed: Per lb., postpaid, 20c.; by freight or express, 10 lbs., 75c.; 100 lbs., \$4.50.

Gentlemen: I am pleased to report that I raised a fine stand of red clover from seed that I bought last season and I cannot estimate the value it is to me in raising blooded poultry.

Thanking you for your courteous treatment in the past, I remain, Yours truly,

JAMES E. MITCHELL,
Ashland, Ore.

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Read the note, top of page 52, regarding prices of field seeds.

Cow Kale

(Or Thousand Headed Kale.)

The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen; endorsed by Agricultural Colleges and Government Stations.

¼ lb., 20c.; 1 lb., 50c.

GET A
CLIPPER MILL
PAYS FOR ITSELF
WORKS FOR YOU ALWAYS

See Page 59

Cow Peas

Are really small beans of vigorous vining habit and heavy foliage of great nutritious value, yielding 5 to 9 tons of green feed per acre or can be cut and cured like clover. They are great nitrogen gatherers and one of the best fertilizers when turned under. Sow two bushels per acre.

Whip-Poor-Will. Upright, or bush growth, earliest maturing, easily harvested.

Per lb., postpaid, 20c.; by freight or express, 10 lbs. 90c.; 100 lbs., \$7.00.

Clay. Of vigorous growth. Excellent for ensilage, can be planted in hills with corn.

Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

Field Peas

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

White Canadian. A leading kind; seed almost white; a heavy cropper.

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

Blue Prussian. Very much like the above, except in color. This variety is largely sold for soup peas.

Per lb., postpaid, 15c.; 100 lbs., \$3.40.

Green Scotch.

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

Swiss. A three-cornered pea; excellent for cooking purposes. Vines small. One peculiarity of these peas is that they are never infected with bugs.

Per lb., postpaid, 20c.; 10 lbs., 70c.

Flax Seed

Re-cleaned for planting.

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

Flax for other purposes.

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

Ground Flax, for medicinal uses. Per lb., 25c.

Flax Seed Meal, for feeding purposes. 100 lbs., \$2.50.

Kaffir Corn

An excellent fodder plant, yielding a large crop of fodder during a season. Grows four to five feet high; upright stalk, with numerous large leaves. Greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding 60 bushels to the acre. It does best sown in drills three feet part, using six to eight pounds of seed per acre.

Per lb., postpaid, 25c.; 10 lbs., 70c.; 100 lbs., \$5.00.

Lentils

Succeed best in dry sandy soil. A leguminous annual, the seeds of which are valuable for pigeons and are largely used for soups. The leafy stalks make good forage.

Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

PROTECTION

It costs about \$500.00 per year to test the seeds we offer. This testing proves their vitality and is your protection.

**THOUSAND-HEADED KALE.**

This cut is from photo and shows the enormous amount of green feed this plant will produce.

Millets

Sow in April, May or June, 12 pounds for seed or 20 rounds for hay per acre.

German, or Golden. 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.

Per lb., postpaid, 20c.; 100 lbs., \$3.75.

Hungarian. A dwarf annual Millet. It is finer than the Common or German Millets, but produces a closer stand and yields almost as much per acre as the taller varieties. Superior for hay.

Per lb., postpaid, 20c.; 100 lbs., \$4.25.

New Siberian. New and wonderfully productive. Extremely hardy and about two weeks earlier than the German Millet, growing about four feet in height.

Per lb., postpaid, 20c.; 100 lbs., \$4.25.

Common. A variety growing from three to four feet high, having rather broad blades and strong stalks.

Per lb., postpaid, 20c.; 100 lbs., \$3.25.

**MILLET.**

Mountain View, Cal., Oct. 16, 1908.

Portland Seed Company,

Portland, Oregon.

Gentlemen:

The Peas and Beans I got from you are "the best ever." Some of the pods of the Pole Beans measure a foot in length and just as tender and sweet as the smaller ones.

I shall want more of your good seed in the Spring; also shall want more Berry Plants later.

Very truly yours,

R. F. D. No. 17.

ALICE McDOWELL.

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Seed Oats

Why Not
Plant Oats
That are Oats

Did you ever figure out the actual difference in the cost of the seed per acre, between the poor quality Seed Oats with which the country is flooded, and the yield from 20 to 30 bushels per acre, and our "Shadeland" Oats yielding from 70 to 100 bushels per acre? The chances are you think of these "fancy" oats as being too expensive to plant, because you compare the cost of a sack of them with the cost of a sack of Feed Oats. Now let us figure with you. It takes at most three bushels to plant an acre. Three bushels of our Shadeland Oats will cost you \$3.50 to \$4.00. Three bushels of the cheapest Feed Oats you can buy this season will be from \$1.50 to \$2.00. These will yield from 30 to possibly 50 bushels per acre. Require the same expense in planting, same amount of ground, same care, same expense in threshing as our "Shadeland" Oats, yielding 100 bushels per acre, and the difference in the cost is \$2.00 per acre. You have saved \$2.00, but you have lost 50 bushels or more of fine oats. Now what do you think about it!

MORE ABOUT VALUES

To anyone wanting a start in first class money producing oats, the "Shadeland Triumph" or "Challenge" are invaluable, and money can hardly pay for the care, the work, and the time necessary to produce a new grain of fixed type of the great commercial value of these oats. But we believe in giving all grain and seeds of great merit as wide a distribution as possible, and offer these oats at a very low price—within the reach of all.

SHADELAND
CHALLENGE

1909 Shadeland Triumph 1909

NEW TREE OAT.

This new oat is the latest "Triumph" of our "Shadeland" Oat grower. Who's "Shadeland Oats" have become famous for their wonderful quality and productiveness, being so far superior to all other oats as to form a new class of their own, and like "Shadeland Challenge," "Shadeland Triumph" our new oat for 1909 stands at the head of its class.

A tree oat of extraordinary stooling habit with heavy stiff straw, yielded 425 pounds from the first 4½ pounds of seed planted, and was harvested dead ripe less than 100 days from time of planting. This remarkable oat originated from the finest milling oat grown in Scotland, and has been carefully selected and acclimated. We recommend it as being superior in every way to any other milling oat. We offer a limited amount for introduction.

Price, per lb., 25c.; 4 lbs., 80c.; postpaid; pkt., 70c.; ½ bushel, \$1.00; bushel, \$1.50; 3 bushels, \$4.00.

Shadeland Challenge

WHITE SIDE OAT. Introduced By Us In 1907.

Shadeland Challenge is a very heavy, plump, meaty, thin hulled oat, an enormous yielder, excelling any variety in length of head, which frequently measures 18 inches. One customer reports having harvested 161 bushels per acre where other oats ran 24. One hundred bushels is not an unusual yield under ordinary culture. Shadeland Challenge ripens earlier than other oats, having been threshed and put away in the granary when others were binding. This good quality has saved our Seed Oats from the rain for two seasons, as reported by Mr. C. D. Nairn, of Shadeland Farm, to whose painstaking care and intelligent effort we are indebted for the development of Shadeland Oats.

Price, postpaid, 1 lb., 20c.; 4 lbs., 60c.; freight or express, peck, 70c.; ½ bushel, \$1.00; bushel, \$1.50; 3 bushels, \$3.50.

Seed Oats

Black—These are a tree oat for fall seeding; thrives on any soil where water does not stand. Makes heaviest yield of any winter or fall oat.

Price: Postpaid, 1 lb., 15c.; 4 lbs., 50c.; Freight, peck 50c.; ½ bushel, 75c.; bushel, \$1.25; 100 lbs., \$3.00.

Red—A tree oat comparatively new in this section, having originated in Sweden. Has a soft shell, is adapted to localities where the seasons are short, or for late sowing as it matures from 10 to 12 days earlier than most other oats. Straw is short and soft, making it good for hay.

Price: Postpaid, 1 lb., 15c.; 4 lbs., 50c.; Freight, peck 50c.; ½ bushel, 75c.; bushel, \$1.25; 100 lbs., \$3.00.

Portland Seed Company.

Gentlemen: Last season I bought some of your Shadeland Challenge Seed Oats and planted them at the same time as another variety I had purchased at 25 cents per sack less. The soil and treatment was the same but the Shadeland Challenge yielded 80 bushels per acre, while the others went 30 bushels. I consider the Shadeland Challenge the finest oat grown. Yours truly,
J. RICHARDSON.

White Seed Oats

We always aim to have a selected, re-cleaned stock of good White Seed Oats. Can sell them at about market price for No. 1 Seed. When ready to buy, write us for prices stating quantity wanted, or order at \$2.25 per 100; \$40.00 per ton, which is average selling price. We will always send your money's worth whether it be more or less.

Gray Winter Oats

A variety planted almost entirely in the fall. Well and favorably known.

Re-cleaned seed, per bushel, \$1.00; 3 bushel, \$2.25.

Write for price in quantity.

ECONOMY

If you are going to plant ten acres in oats and think you can't afford to pay so much for Shadeland Challenge, buy enough for five acres and plant some other crop in the other five or use it for pasture. You will have more oats on the five acres of Shadeland than you would on the ten of any other kind.

FORMALDEHYDE

A Sure Preventive for Smut in Grain.

This has proved to be much better than vitriol, etc., for treating grain to prevent smut. Also potatoes for blight and scab.

It is a clear chemical, resembling water, but it has a peculiar odor. It is sold by the pound (pint). One pound is sufficient to treat 40 to 50 bushels of oats.

One Reliable Oat Grower Says:

"The way I treated my oats was as follows: I poured about 20 bushels of oats on the barn floor; then I poured one-half pint of the formaldehyde in a five-gallon can of water and sprinkled it over the oats, turning them twice with a scoop shovel and allowed them to remain 12 to 24 hours, then spread them out to dry." Oats thus treated will be perfectly free from smut. Price, per pint bottle, 50c. Sent by express or freight only; cannot be mailed.

Rape, Dwarf Essex

True Pure Seed.

One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up. Highly recommended by Prof. Shaw and other eminent authorities. Has yielded 10 tons of green forage per acre with a food value double that of green clover. Excellent pasture for all stock, and fine green feed for chickens. Thrives on all soils and is ready for use in six to eight weeks from time of planting. Also valuable for plowing under. Sow same as turnips from May until September or plant it with grain. Plant four pounds per acre in drills, eight pounds broadcast. Price postpaid, lb. 25c.; 10 lbs., \$1.10; 100 lbs., \$9.50.

Rye, for Seed

Planted extensively in both spring and fall. Spring or Fall, per lb., postpaid, 15c.; 100 lbs., \$2.50.

Seed Wheat

When ready to buy any variety of Seed Wheat, write us for quotation on quantity wanted or send in your order. We will give you full value at lowest market price.

Speltz

A combination of hay and grain in one. It has a hull somewhat like barley, but produces double kernels in each. A comparatively new and profitable crop yielding 50 to 100 bushels of grain or four to six tons good hay per acre. Thrives well on poor soil, and dry weather seems not to affect it. After threshing the straw makes good feed.

Sow in spring at rate of 75 to 100 pounds per acre. It is advisable to roll or chop the grain before feeding.

Price, per lb. 5c., 100 lbs. 3.75.

Sugar Cane or Sorghum

Early Amber, a valuable crop to grow for fodder or ensilage as it furnishes an immense tonnage to the acre. When fed down while young it makes a rapid second growth.

Price, per lb., 10c.; 100 lbs. \$6.50.

Sunflower

Mammoth Russian. The largest and most productive variety. It makes one of the very best of foods for poultry; a great egg producer.

Per 1/4 lb., 10c.; lb., postpaid, 25c.; 10 lbs., 90c.

SELECTED SEED POTATOES SELECTED SEED

NOTE—Potato Stocks are scarce and market advancing. Order now. You will save money and disappointment.

Pound prices on Potatoes are by mail, postpaid, all others freight or express at buyer's expense.

With no other seed is the importance of change more essential than with Potatoes. By planting OUR SELECTED, WESTERN GROWN, ACCLIMATED STOCK, YOU ARE ASSURED OF EARLY MATURITY, INCREASED YIELD AND VIGOROUS GROWTH. This year our potato cellar contains the cleanest, smoothest and finest stock we have ever had. Our Seed Potato trade is rapidly increasing. We have many customers, North and South, who consider our stock superior to any other.

STANDARD VARIETIES

Extra Early Bovee

Introduced years ago by Peter Henderson, and still one of the most popular and earliest potatoes grown. It is earlier than Early Ohio and uncommonly prolific for such an early variety. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill, close up to the vine, sizing up to a remarkable degree more evenly than any potato we ever saw; none too large or too small. Color of potato, pink or flesh color. Per lb., 25c.; 3 lbs., 60c. postpaid; peck, 75c.; 1/2 bu., \$1.25; bu., \$2.00.

Early Sunrise

Earlier than the Early Rose. Skin a very light pink. The potatoes cook very dry and mealy. One of the best and most popular extra early potatoes grown. Per lb., 20c.; 3 lbs., 50c.; postpaid; per peck, 60c.; per half bushel, \$1.00; bushel, \$1.50.

Uncle Sam

A large, handsome potato; very fine flavor and cooks up white, dry and floury. It is a strong, healthy grower; free from disease, blight, scab or rot. Will outyield other varieties two to one. One of the best potatoes for loam or sandy soil. Uncle Sam was first placed on the market as a novelty, about five years ago, and since its introduction has made many firm friends.

Per lb., 20c.; 3 lbs., 50c., postpaid; per peck, 60c.; 1/2 bu., \$1.00; bu., \$1.50.

Burbank

We are in a position to furnish choice seed potatoes of this well-known variety.

Per bu., \$1.25.

Write for prices in quantity.

Early Rose

Early Rose is a standard early potato, well and favorably known. Choice, selected seed.

Per lb., 20c.; 3 lbs., 50c.; postpaid; per peck, 60c.; 1/2 bushel, \$1.00; bushel, \$1.50. Write for prices in quantity.

"THE POTATO" FRAZIER

Page 48

DIAMOND FERTILIZERS

BETTER THAN A SAVINGS BANK

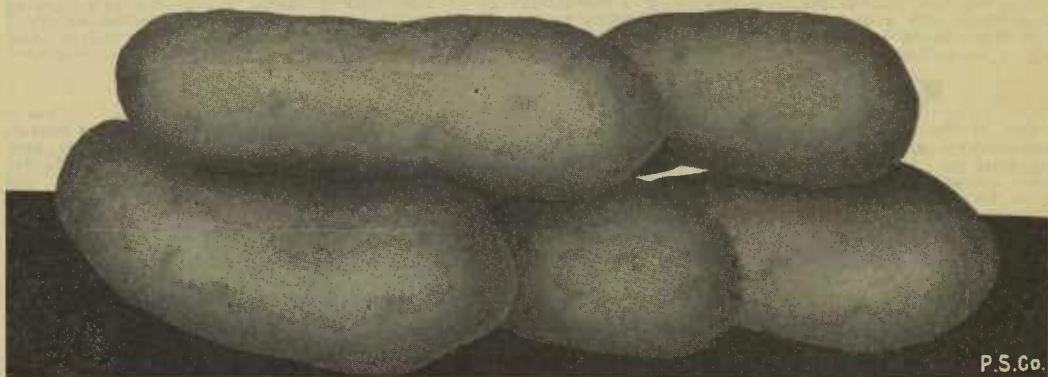
SEND FOR OUR FREE FERTILIZER BOOKLET

SEE PAGE 32

POTATOES—Continued

1909**PRIDE OF MULTNOMAH**1909

MAIN CROP

"GROWN IN OREGON"

For years we have "gone East," and on across the ocean, to secure new types of Seed Potatoes, but at last, right here at home in Multnomah County, we have originated a potato that "Beats the world." A handsome, smooth, white skinned, shallow eyed tuber of the fancy elongated form, and size so much sought by commercial growers. They are the peer of all table potatoes, fine grained and mealy. A wonderfully vigorous grower with a mass of fibrous roots and dense heavy foliage which shades the ground, retaining the moisture even in the driest seasons. **Pride of Multnomah** is an enormous yielder and keeps longer than any other potato. We had specimens in our office in September, just one year after digging. They were in perfect condition, not having sprouted up to that time, though not especially cared for, having been left on a shelf in a shed. "**Pride of Multnomah**" is the coming market potato for Oregon. We are not going to sell any one person more than a bushel of **Pride of Multnomah**, for they are so good we want everyone to have a few.

Price, postpaid, per doz. Eyes, 60c.; 3 lbs., \$1.00; freight or express, pk., \$2.00; ½ bu., \$3.00; bu., \$5.00.

New "Violet" Potato

Originated in France.

Derives its name from the purplish violet color of the skin. Is very hardy, should be planted early and will thrive in any garden soil, being particularly adapted to wet land where other potatoes would be unfit for use. The "New Violet" is the lightest, mealiest and finest flavored potato grown. We specially recommend it for the home garden.

Price, per doz. Eyes, postpaid, 50c.; 4 lbs., \$1.00, postpaid; peck, \$1.00; ½ bu., \$1.50; bu., \$2.50.

Portland Seed Co.'s Earliest of All

GET A
Planet Jr.
No. 8
Page 61



After four years of testing we can say with pride that "Earliest of All" has more than made good all we have said about it, and is without doubt the earliest and best of all early potatoes. Our grower refers to it as the "Mushroom Potato" because it springs into such rapid and early growth and fully matures and dies down in time to plant another crop the same season. We had Earliest of All potatoes in our store July first weighing one pound apiece taken from the field where our seed crop was growing. These had not been planted as early as they would have been if intended for early market, but shows their remarkable growth in attaining this size so early.

Earliest of All is a healthy vigorous grower not subject to blight or disease and does not make a second growth.

A handsome, shallow eyed, white skinned Potato of the finest table quality.

Try "Earliest of All" this season and you will not be disappointed, we assure you. Per lb., 35c.; 3 lbs., \$1, postpaid; per peck, \$1; ½ bu., \$1.50; bu., \$2.50.

*Our Seed Potatoes
are grown in
Oregon and are the
best for this climate*

EARLIEST OF ALL (From Photograph).

HAVE YOU READ FRAZIER'S NEW BOOK "THE POTATO?" IT'S UP-TO-DATE AND VALUABLE TO POTATO GROWERS. SEE BOOKS, PAGE 48.

POTATOES—Continued

Prices per lb. include postage. Peck and bushel prices by freight or express at buyer's expense.

Early White Prizetaker

A new, handsome, early white potato, which ripens just after the Extra Early Bovee. This is, without doubt, the finest in quality of all extra early potatoes. These potatoes are oblong in form, averaging 4 to 5 inches in length, with pure white, smooth skin, and few eyes; it is a very superior cooking potato, either boiled or baked, and of very finest flavor. It cooks up dry and floury. One advantage of this potato is that it has a white skin and is a good keeper, so that if you do not sell all your crop early, you can sell it on the market for winter potatoes, and they will bring the highest price. We advise early planting, as the crop will be larger and better. To give you an idea of the productiveness of this grand new potato, we might add that one customer harvested 48 bushels from one-eighth of an acre. Almost 400 bushels per acre. Don't fail to get a start of these potatoes.

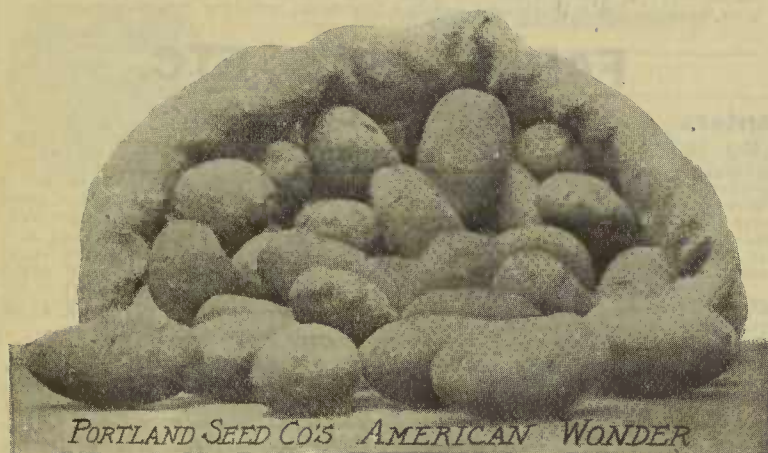
Per lb., 30c.; 3 lbs., 75c.; postpaid;
Per peck, 75c.; per half bu., \$1.25; bushel, \$2.00.

Daybreak

We introduced this potato from Europe and commend it as a variety of great merit. Daybreak potatoes are very early; tubers are oblong in shape, skin smooth and pale pink or flesh color. Flesh white; quality of the potato is excellent. The vines are small and compact in growth, but strong and healthy and not affected with disease of any kind. This variety is a good cropper, and the tubers are extra large for so early a sort.

Per lb., 30c.; 3 lbs., 75c.,
postpaid; per peck, 75c.; ½ bu., \$1.25; bu., \$2.00.

*Plant our Selected Seed Potatoes
and Raise a CROP*



PORTLAND SEED CO'S AMERICAN WONDER

From Photograph.

American Wonder

The Potato for Main Crop.

American Wonder is not only one of the best main crop potatoes but is also one of the earliest potatoes grown. It is practically blight-proof, a strong grower, a great producer, and one of the best varieties for general field culture. The vines are very strong and branching, with dark green foliage. Tubers white, large, and uniform in size; elongated, slightly compressed, with few eyes, which are nearly flush with the surface. In quality nothing can surpass this variety—either baked or boiled. It is dry and floury, and has a rich, sweet flavor. This is a potato much sought after by our commission men, potato buyers, shippers and dealers. The American Wonder will greatly outyield Burbanks, and surpasses them in many ways. We advise extensive planting of this sort. True stock.

Per lb., 25c.; 3 lbs., 60c.
Postpaid; per peck, 60c.; ½ bu., \$1.00; bu., \$1.50.

Write for price in quantity.

25 PER CENT MORE.

For main cropper the American Wonder leads the Burbank 5 to 4 (or 25 per cent), while the Prizetaker and Uncle Sam yield along with the Burbank. Yours truly,
T. L. Evans,
Troutdale, Ore.

Portland Seed Co.: I got a bushel of American Wonder Potatoes from you last spring and I raised 45 bushels of choice picked potatoes from them. Yours respectfully,
A. J. Gale,
Tacoma, Wash.

Beverton, Oregon, March 17, 1908.

I planted the "Earliest of All" at the same time that I planted the Burbanks. They came up quick, grew a small vine, matured long before the Burbanks and yielded fully as well if not better than the others. Very truly yours,
A. F. FREWING.

Ferndale, Wash., January 6, 1908.

Gentlemen: The Prizetaker and American Wonder potatoes are very good and I shall put in a large crop this year. Yours faithfully,
T. H. HILL.

SWEET POTATOES

Sauvies Island, Oct. 3, 1908.

Portland Seed Co.

Gentlemen: The Sweet Potato Plants we bought of you last Spring were cut down by frost after being well started, but recovered and grew tremendously, yielding as many as twelve in a hill, many of them weighing as much as three pounds apiece and measuring up to 16 inches in length. We believe Oregon is the country for Sweet Potatoes.

L. P. BRANSTETTER.

WHY NOT OWN A POTATO PLANTER? See Page 58

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Prices on farm seeds subject to change. See note, page 49.

Vetches or Tares

(*Vicia Sativa.*)

Oregon's Greatest Forage Plant.

One of the best forage plants that can be grown on the Pacific Coast. Often called Fall Vetches. This is a species of the pea, and is grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon Coast. It furnishes an abundance of excellent feed, either green or cut and cured for hay. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Weight, 70 pounds per bushel. Sow in the fall or early spring.

Per lb., postpaid, 20c.; 100 lbs., \$4.50.

VETCHES (Sand or Winter.)

(*Vicia Villosa.*)

This variety thrives on poor, arid, sandy soils. It is sown either in the fall or spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears, and afterward for seed. The plant is perfectly hardy and makes a very nutritious food.

Per lb., postpaid, 25c.; 100 lbs., \$11.50.

NOTE—In ordering Vetches, be careful to state plainly which variety you want, as they are both sown in the fall or winter in Oregon.

Wild Rice

(*Zizania Aquatica.*)

For Planting in Duck Ponds

And around hunting grounds to furnish food for wild fowl, ducks, geese, etc. Seed can be sown on the borders of lakes, ponds and small streams and grows very rapidly in one to four feet of water, attracting all of these wild birds from September on. It also purifies the water and affords a refuge for the small fry from the large fish. Fresh seed supplied in season; write for information.



VETCHES.

FARM TOOLS, ETC.

Potato Planters

PEERLESS. (Fig. 16.)

This is the lightest and best tubular planter made. With this planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically, as the top of it is moved forward in walking. (See cut.)

Price, \$1.50.

PINGREE OR ACME. (Fig. 14.)

Practically the same as the Peerless without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. (See cut.)

Price, \$1.25

Corn Planters

GORDON AUTOMATIC. (Fig. 20.)

Decidedly the best hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn (the right number of kernels) exactly where you want it, and at a proper depth. It is light, handy, automatic, easily worked, requiring only one hand (either one), and a most satisfactory tool in every way. (See cut.)

Price, \$1.50.

ACME. (Fig. 22.)

A two-hand planter; light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. The seed dropper of the Acme is a straight slide, which vibrates horizontally and will drop seeds ranging from pop corn to large kidney beans. Made with spring, brass cut-off and steel blades. (See cut.)

Price, \$1.00.

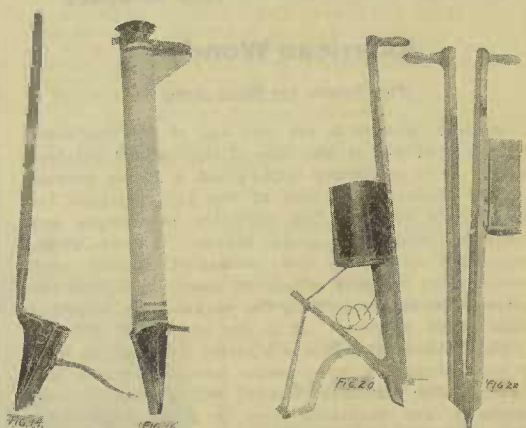
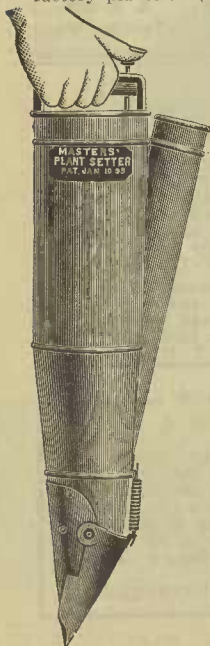
Master's Plant Setter

For planting Cabbage, Tomato, Celery and small plants of any kind. With this handy little tool you can set, water and fertilize ten thousand plants per day.

You carry the planter in your right hand and drop the plants into it with your left. Each plant is securely set and the work is performed as fast as you walk. Absolutely

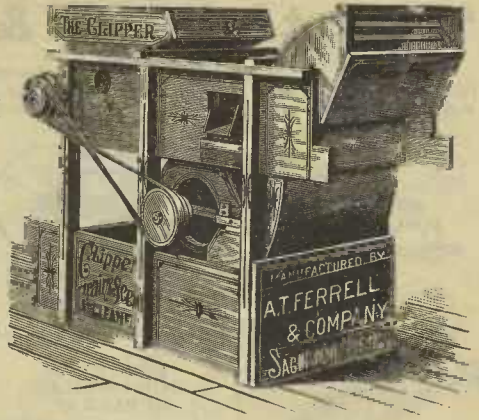
sure in its work; no resetting; every plant watered and your field will all grow and come on evenly. By a light pressure of the thumb, enough water is released for each plant; two barrels required for an acre in dry weather. You can mix fertilizer with the water, or use liquid manure. This planter is built entirely of sheet metal and steel. The manufacturers of the planter set from 30 to 50 acres of cabbage plants each year. It is simple, durable, practical and sure in its work. Once used, always used.

Price, each, \$4.00.



The Clipper Grain, Seed and Bean Cleaner

This is without doubt the best seed and grain cleaner on the market today. When it comes to doing real nice, clean work, it is far ahead of all the others. The "Clipper" is especially adapted for making effectual separation of wild oats, cheat, cockle and all foreign seed from wheat and oats, plattain from clover, etc., etc., as well as cleaning the perfect seed. Other manufacturers depend entirely upon screens for this work, and with unsatisfactory results. The "Clipper," however, screens all straw and foreign matter from the grain before it enters the air shaft, and the "Vertical Blast" does the rest. The screens are so arranged as to be in plain view, and of easy access to the operator while machine is in operation. Seed dealers everywhere use the "Clipper," because it is the best. We buy these cleaners in carload lots and have both hand and power mills. Descriptive pamphlet and catalog sent on request. Price: No. 1, \$28.00; No. 2, \$37.50.

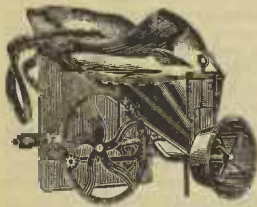


We have four Clipper Cleaners in use in our warehouse, because they are the best.

THE BEST SEED CLEANERS

Amity, Oregon.
Gentlemen: The Clipper is the only perfect seed and grain cleaner used in this vicinity. It is simple, durable and easy running. I can recommend it to all who want a strictly first-class cleaner. Yours,
W. W. NICKEL.

Thorp, Wash.
Gentlemen: I have used four different mills. After a thorough trial none proved satisfactory, and were sold, and I bought The Clipper, which does my work perfectly. You cannot praise it too highly. Yours truly,
A. T. SHADEL, Seed Grower.



CAHOON.

Broadcast Seed Sowers

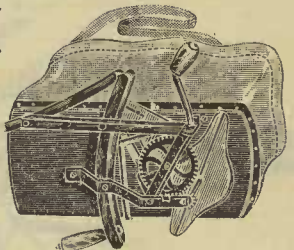
Every farmer should have one.

LITTLE GIANT.

The best cheap seeder on the market, made in three sizes.
No. 3 Improved\$2.25
No. 3 2.00
No. 4 1.65

IMPROVED CAHOON.

The standard broadcast seed sower of the world, made of steel, iron and brass and with ordinary care will last a life time. This machine is the most popular. It has a force feed and does excellent work. Instructions with each machine. Price, \$3.50.



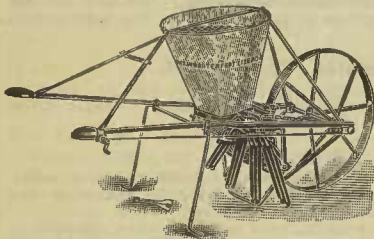
LITTLE GIANT.

McWhorter Fertilizer Drill No. 21

For the Practical, Superior Distribution of Commercial Fertilizers. Simple in Construction, Easily Understood and Effective in Operation.

This machine needs no defense or praise from us. Wherever known, it is pronounced the best. Has a force feed without friction; does not require that degree of dryness in the fertilizer necessary to all other distributors we have seen; is so arranged that the fertilizer can be applied in any manner that may be desired, as the operator has perfect control of the spread and division of same, any change for that purpose requiring only a few seconds.

It will distribute the fertilizer in one or more furrows beside the growing crop or broadcast to any extent up to a uniform spread of over two feet, without removing or adding any part or loosening a bolt, and in any quantity from a few pounds up to forty or more pounds to the hundred yards of row, or from 200 pounds to over a ton to the acre. We call special attention to this ability to spread the fertilizer with this machine. It is a highly important feature and will be appreciated by the thinking farmer. A decidedly wrong thing is to apply the strong fertilizers of the present day without sufficiently spreading and incorporating them with the soil. Price, complete, \$13.00.



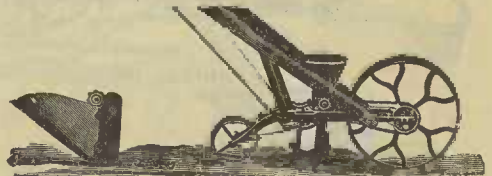
McWHORTER FERTILIZER DRILL.

Shipping weight, 61 pounds.

Iron King Seed Drill

The Best Onion Drill.

The Iron King Seed Drill is acknowledged by the majority of the large onion growers of Oregon and Washington to be the most practical of the drills for sowing onion seed. It is a well made, durable and easy running machine, accurate and reliable, and with careful use will last a life time. It will save the price of the machine in sowing a few acres. If you are growing onions you cannot afford to be without one. The Iron King can also be set to sow anything from turnips to peas. Price, \$9.25.



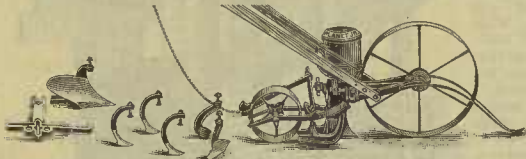
IRON KING.

FREE PREMIUMS

We do not pay freight charges at catalog prices but the liberal premiums we offer (see inside front cover) will generally cover same, sometimes more.

"Planet Jr." Farm & Garden Tools for 1909

Space will not permit our showing and describing all of the "Planet Jr." Tools, but we will send a fully illustrated catalog free for the asking. Can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us you can rely on getting bottom prices.

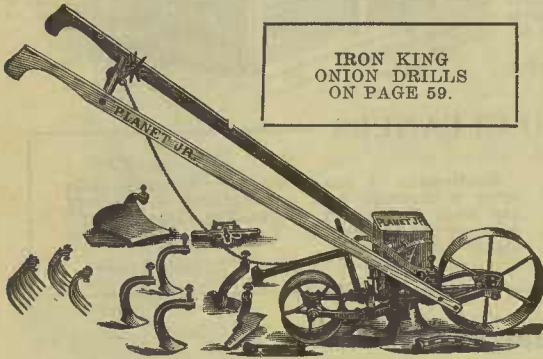


NEW No. 6.

No. 6—Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow, Price, \$14.50; Hill and Drill Seeder only, \$12.00.

This, our latest Planet Jr. Seeder, has been under construction for two years, and has been held back until every detail has been made as nearly perfect as possible. The steel carrying wheel is 16½ inches high, with forged steel spokes, making an easy running tool. Handles adjustable. The feed and cut-off are the most accurate we have ever constructed. The opening plow is of a new shape, leaving the seed in a narrower row than any plow we have heretofore made. The roller is large and wide, leaving the seed in excellent condition for germination. This drill sows in drills, drops in hills, 4, 6, 8, 12 or 24 inches apart, covers, rolls down and marks the next row, all in one passage. As a wheel hoe the frame is similar to our No. 17 Single Wheel Hoe and equipped with the same tools. The combination is the best and most useful we have ever offered.

**IRON KING
ONION DRILLS
ON PAGE 59.**

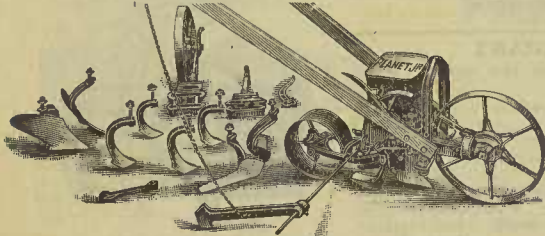


No. 4.

No. 4—Combined Hill and Drill Seeder, and Wheel Hoe Cultivator and Plow. Price, \$12.00; Drill only, \$10.00.

This admirable tool combines in a single, convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and will sow in a continuous row, or drop in hills at five different distances. It is thrown out of gear by simply raising the handle. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season at every stage of garden work.

A set of three rakes supplied when specially ordered. Price, extra, \$1.00.



No. 25.

No. 25—Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Price, \$14.50.

It practically combines in one tool the No. 4 Drill and No. 12 Double Wheel Hoe. A combination unequaled. Any one can see at a glance the great advantage of this machine. See descriptions of No. 4 and No. 12.

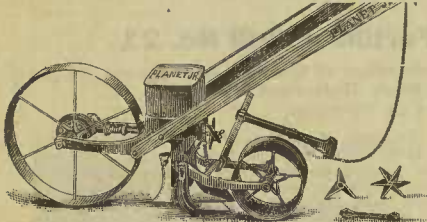
No. 3—Hill and Drill Seeder. Price, \$11.50.

Hopper holds three quarts; driving wheel has an accurate index. The flow of seed is started or stopped by a single movement of the forefinger.

No. 1—Combined Drill. Price, \$10.50.

This has long been the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached.

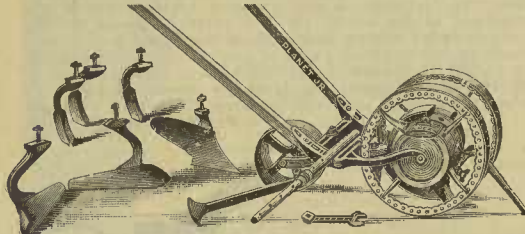
A pair of five-tooth rakes supplied when specially ordered. Price, extra, \$1.00.



No. 3—HILL AND DRILL SEEDER.

No. 2—Drill Seeder. Price, \$3.25.

Very much like No. 1, except that it has no cultivating tools and holds more seed.



No. 1—COMBINED DRILL.

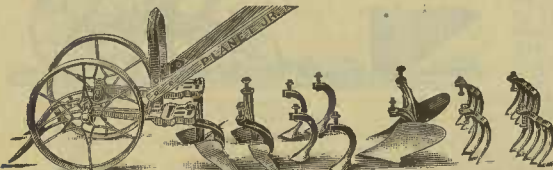
FOR BROADCAST SEED SOWERS See Page 59

Double Wheel Hoes

The Planet Jr. Double Wheel Hoes are the greatest tools in the world for gardeners. They do more work, and do it better and easier than can possibly be done in any other way. They represent the very highest perfection in every detail.

No. 11—Double Wheel Hoe. Price, \$10.00.

Price includes attachments shown in cut.



No. 11—DOUBLE WHEEL HOE.

A Complete Planet Jr. Catalog sent free.

PLANET JR. MACHINES—Continued

No. 12—Double Wheel Hoe. Price, \$7.85.

Like No. 11 except it has fewer tools; 1-set hoes, 1-set cultivators, 1-set plows go with this tool.

No. 13—Double Wheel Hoe. Price, \$5.50.

This is the No. 11 with 1 pair 6-inch hoes only.

No. 13½—Double Wheel Disc Hoe. Price \$6.85.

This is a new tool for 1909 exceptionally fine for peat soil, equally as good for other soils. Discs are adjustable as to depth and throwing dirt to or from plants.

No. 14—Double Wheel Disc Hoe, Cultivator and Plow, complete. See cut.) Price, \$9.00.

Cultivator teeth are constructed on new lines.

Single Wheel Hoes

Single Wheel Hoes are lighter than Double Wheel Hoes, but do almost the same variety of work, though in a different way, being used mostly between the rows instead of straddling them. Nos. 16, 17, 17½ and 18 are all the same model; the only difference is in the number of tools sold with each.

No. 38—Single Wheel Disc Hoe, Cultivator and Plow, complete. (See cut.) Price, \$7.00. . . .

No. 18½—Single Wheel Disc Hoe, like No. 38, except it does not have plow and cultivators. Price, \$4.75.

No. 18—Single Wheel Hoe. Price, \$4.25.

Same as No. 16 except that it has but 1 pair 6-inch hoes.

No. 17½—Single Wheel Hoe. Price, \$5.25

Same as No. 16 except that it has but 1 pair 6-inch hoes and 3 cultivator teeth.

No. 17—Single Wheel Hoe. Price, \$5.75.

Same as No. 16 except that it does not have the pair of rakes.

No. 16—Single Wheel Hoe. Price \$6.50.

See cut for attachments.

Fig. 70—Onion Set Harvester. Price \$1.20.

A useful attachment for our combined Drills and all our Wheel Hoes. Eight-inch size for onions and onion sets. It leaves the crop in the best condition for easy handling.

Fig. 60—New Hoe with Shield. Pair, \$2.00.

This attachment is very valuable, as you can work close to the young plants. The shield protects them from clods and dirt that would naturally fall back on them. For double wheel hoes, both right and left.

Horse Tools

No. 8—Horse Hoe and Cultivator. Price, with attachments, as in cut, \$10.50.

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

Planet Jr. No. 9—Horse Hoe and Cultivator. Price, \$8.75.

Similar to No. 8, but without lever attachment on the wheel and depth regulator.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, complete, \$10.50; without Pulverizer, \$8.60; without Wheel or Pulverizer, \$7.30.

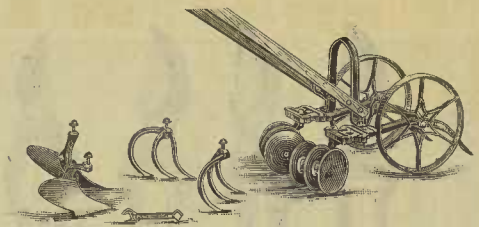
This tool has rapidly grown in favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shaped teeth cut an inch wide each. It may be set with teeth trailing, the foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion.

No. 1—Orchard and Universal Cultivator. . . . \$46.00

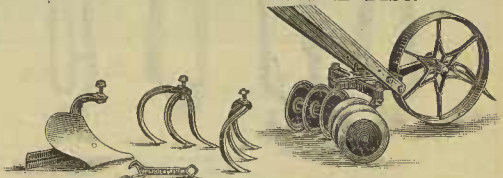
No. 45—Riding Harrow and Cultivator, with extensions 53.00

No. 72—Two-row Pivot Wheel Cultivator, complete 64.50

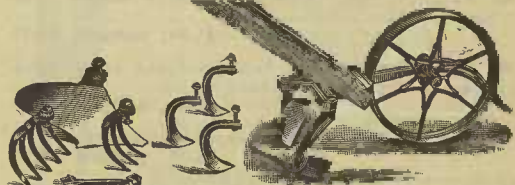
No. 70—Pivot Wheel Cultivator, complete. 50.00



No. 14—DOUBLE WHEEL DISC.



No. 38—SINGLE WHEEL DISC.



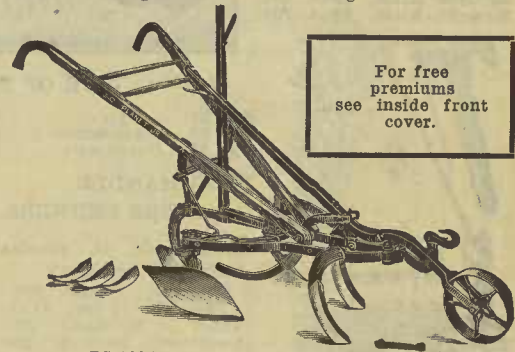
No. 16—SINGLE WHEEL HOE.



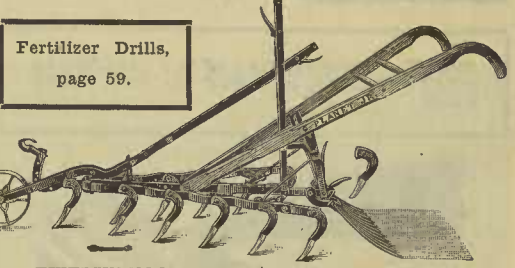
Fig. 60



Fig. 70.



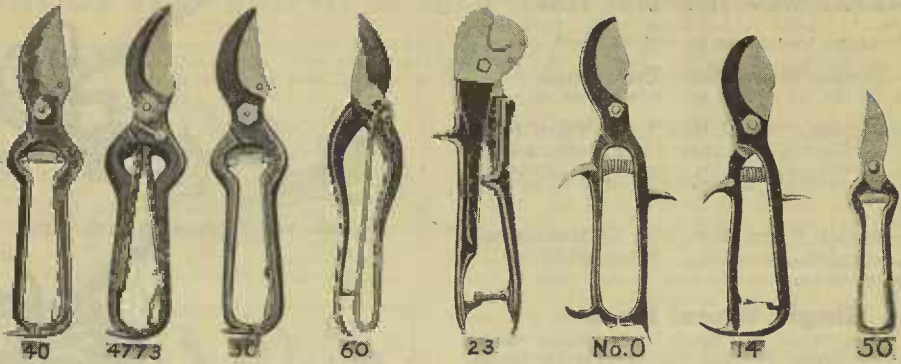
PLANET JR., No. 8 HORSE HOE.



TWELVE-TOOTH HARROW—Complete.

Space will not permit illustrating and describing all of the "Planet Jr." tools, but we will gladly send fully illustrated catalog to any who desire it.

PRUNING TOOLS, KNIVES, WEEDERS, ETC.



Note—Compare numbers on cut to those in descriptions.

- No. 4773. 9 inch; full 'polish, with double brass springs; best American make..... \$1.50; postpaid, \$1.70.
- No. 40. 9 inch; bright finish, polished blade, spiral steel spring; made for hard service..... \$1.00; postpaid, \$1.15.
- No. 41. Same as No. 40, except with ratchet nut.... \$1.25; postpaid, \$1.45.
- No. 30. 7 inch; German make; black finish; polished blade; very good75c.; postpaid, 90c.
- No. 31. Same as No. 30, only 9 inches ratchet nut; and American make.....\$1.00; postpaid, \$1.20.
- No. 50. 5½ inch; nickel plated; small, but of best material; fine for ladies.....\$1.00; postpaid, \$1.15.
- No. 51. Same as No. 50, except that it is 6½ inches long\$1.25; postpaid, \$1.40.
- No. 23. Levin Pruner, 7 inch; new style, cuts clean; cuts ½ inch Postpaid, 60c.
- No. 14. Good low-priced tool..... 50c.; postpaid, 65c.
- No. 0. Cheap but good..... 40c.; postpaid, 55c.
- No. 0½. Similar to 0; flat spring..... 45c.; postpaid, 60c.
- No. 60. Perfection, 8½ inch; imported French shear; powerful, strong; cuts easily..\$3.00; postpaid, \$3.15.
- No. 61. 7½ inch; same as above..... \$2.75; postpaid, \$2.85.
- No. 62. 6½ inch; same as 60..\$2.50; postpaid, \$2.60.

PRUNING SAWS

- Crescent, 12-in. blade. 65c.
- Crescent, 14-in. blade. 75c.
- Straight Blade, 16-in.. 60c.
- Straight Blade, 18-in.. 65c.
- Straight Blade, 20-in.. 70c.



FIVE OF THE BEST HAND WEEDERS MADE.

- Fig. 21. Lang's Postpaid, 25c.
 - Fig. 22. Combination Postpaid, 30c.
 - Fig. 23. Hazeltine's Postpaid, 30c.
 - Fig. 24. Excelsior..... Postpaid, 20c.
 - Fig. 25. Noyes' Postpaid, 30c.
- Weeders about 10 in. long (see cut).

LONG HANDLE

TREE PRUNERS.

Indispensable in pruning tall trees (see cut).
 6 feet, 75c.; 8 feet, 90c.;
 10 feet, \$1; 12 feet, \$1.15.
 Cannot go by mail; purchaser will have to pay freight or express charges.

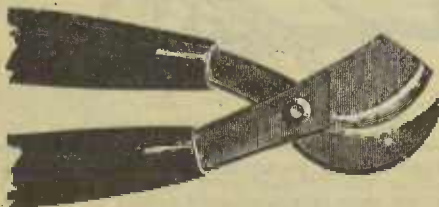


BRANCH SHEARS.

Every orchardist should have one; very convenient, strong, and cut easily. Note the new style blades we offer.

- Fig. 35. Standard pattern, used for years.
- 26 inch handle\$1.00
- 41 inch handle\$1.25

SPRAY—WE HAVE A SPRAY CALENDAR THAT WILL BE OF HELP TO YOU. SENT FREE.



BRANCH SHEAR—Fig. 35.



Fig. 126.

Fig. 126—This has no equal, is forged from high grade tool steel. Finely tempered, solid wrought steel ferrules. Look at lock nut. It cannot work loose and ruin shears. 26 inch handles. Price \$2.00

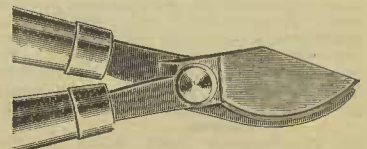


Fig. 126.

KNIVES

Will send any of the following Knives postpaid, at these prices. See numbers on cut.

BUDDING KNIVES.

- No. 8 Ebony handle, stationary ivory bark opener\$1.00
- No. 8½ Same as above, only size larger....\$1.25
- No. 10 Ivory handle, very light and fine....\$1.00
- No. 10½ Same as above, only size larger....\$1.25
- No. 12 Black handle; very light and fine...85c.
- No. 13 Plain wood handle, stationary blade...25c.
- No. 5 Budding and pruning knife combined\$1.00

GRAFTING KNIVES.

- No. 6 Plain wood handle, stationary blade...35c.
- No. 7 Plain wood handle, stationary blade, smaller25c.

PRUNING KNIVES.

- No. 2 Plain wood handle, stationary blade...50c.
- No. 3 Large horn handle, very strong.....\$1.50
- No. 4 Polished wood handle.....85c.



Note—See numbers in descriptions:
GRAFTING WAX.
 ¼ lb., 10c.; lb., 35c.; postage, 18c. per lb. extra.

RAFFIA.

For tying plants and buds.
 Pound, 25c.; by mail, 50c.
 For colored Raffia, see page 64.

DANDELION PULLERS.

A most convenient tool for digging these troublesome weeds.
 Fig. 26. Vaughan's (see cut). 50c.; postpaid, 60c.

Florists:

We issue a special list of Florist Supplies of every kind. Our stocks are the largest in the West. Let us figure on your orders.



See descriptions of numbers on above cuts.

GARDEN TROWELS.

Don't class these tools with the cheap stock offered by the department stores. (See cut.)

- No. 211. Six inch; blade and shank of one piece of forged steel. The best tool of its kind in the market. 50c.; postpaid, 65c.
- No. 313. Six inch; good steel trowel, with malleable iron shank, firmly riveted. 15c.; postpaid, 25c.
- No. 214. Six inch; steel trowel, stronger and better finished than the above. 25c.; postpaid, 35c.
- No. 212 Six inch; solid steel similar to above; a first class trowel. 35c.; postpaid, 45c.
- No. 217. Six inch; steel transplanting trowel. 20c.; postpaid, 30c.
- No. 217. Eight inch; steel transplanting trowel. 25c.; postpaid, 35c.
- No. 216. Ladies flower trowel. 10c.; postpaid, 20c.
- No. 217A. Transplanting hoe trowel, used by gardeners in setting out plants. 50c.; postpaid, 60c.

MASTICA.

For glazing new or old greenhouses. The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" you can bed in, or use outside with machine. Broken glass can be easily removed and replaced by new without breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side). Price, per gallon, \$1.50

PUTTY BULBS.

Very convenient for applying liquid putty in glazing greenhouses. (See cut.) Price, \$1.00

GLAZING POINTS.

Peerless. Best point made. No raising up when driven—no rights, no lefts, no sliding, no trouble to apply; cheap, indestructible. Once used always used. (See cut.) 1000 in box, 75c

GRASS SHEARS.

Fine for trimming borders and edges. Good make, 6-inch blade. (See cut.) Each, 60c.

FLOWER SHEARS.

Nickel plated, cuts and holds the flower from falling until opened again. Postpaid, \$1.00

GRAPE SHEARS.

Made like the above. Postpaid, \$1.25

GRASS HOOKS OR SICKLES.

These are the latest style and shape.
 Clark. First-class; detachable blade45c.
 Village Blacksmith. Hand forged.....45c.

MASTICA GLAZING MACHINE.

To fill the machine, remove the plunger and pour Mastica in top of cylinder; replace the plunger and with a gentle pressure of the handle the Mastica is forced through the opening at the heel, and is smoothed into perfect condition by the foot passing over it. (See cut.) Price, \$1.35



MISCELLANEOUS FLORISTS' AND NURSERYMEN'S SUPPLIES.

PLANT STAKES. Round Cedar, painted green, white tops. 3 ft., 75c. doz.; 3 1/2 ft., 80c.; 4 ft., 85c.; 5 ft., \$1.35; 6 ft., \$2.00.
Bamboo. 4 ft., 20c. doz.; 5 ft., 25c.; 6 ft., 30c.
PENCILS. Indelible, nickel tip for marking labels. Each, 15c.
OREGON MOSS. We have this gathered, dried and put up in bales of about 100 lbs. each for florists' and nurserymen's use. Write for price by ton or carload. Per lb., 5c.; 100 lbs., \$3.00.
TIN FOIL. Florist, regular stock Lb., 20c.; 10 lbs., \$1.50.
 Pure, very best gradeLb., 65c.

WIRE DESIGNS. Every description. List on request.
WIRE HANGING BASKETS.
 8 in., 20c.; 10 in., 25c.; 12 in., 30c.; 14 in., 50c.
WOODEN LABELS.
Tree Labels. Per 100 Per M.
 Painted wire15c.....\$1.00
 Unpainted, wired85
 Painted, copper wire20c..... 1.10
Pot Labels. Per M. Per M.
 4 inch, plain.....\$0.65; painted, \$0.80
 5 inch, plain..... .85; painted, 1.05
 6 inch, plain..... 1.25; painted, 1.40
 8 inch, plain..... 1.50; painted, 1.75

Council, Idaho, Nov. 29, 1907.

Portland Seed Company Portland, Oregon.
 Gentlemen:
 I received the Raffia and Reeds all O. K., and was well pleased with same. Yours truly,
 MRS. H. E. BIGGERSTAFF.

Bulbs

We import annually large quantities of Flowering Bulbs and Roots for Florists' and Gardeners' use. Catalog and prices on request.

NICOTICIDE—The safest, most efficient spray for aphids, thrip, red spider, etc., on roses and all plants. Indoors or out. (See Page 82.)

RAFFIA AND REEDS

For Basket Making.

Of late Raffia weaving has become very popular. Baskets, Jewel Boxes, Shopping Bags, Mats, Cushions, Slippers and Hats are but a part of the many useful articles woven.

Raffia. We formerly had Raffia in the natural color only, but now we have it in almost any shade, the popular colors being red, green, yellow, orange, brown, black, blue and purple. Prices: Natural color, 1/4 lb. packages, 10c.; postpaid, 15c.; per lb., 25c.; postpaid, 50c. Colored Raffia, per package, 10c.; postpaid, 12c.; per lb., 75c.; postpaid, \$1.00.

Reeds. In the weaving of the larger baskets Reed is used as a frame or foundation, making them firmer and heavier. We have these in six sizes, put up in 10c., 15c. and 20c. packages; 3c. extra for postage. By the pound, No. 1, \$1.60; No. 2, \$1.40; No. 3, \$1.30; No. 4, \$1.15; No. 5, \$1.00; No. 6, 90c. If wanted by mail, add 25c. per lb. extra for postage.

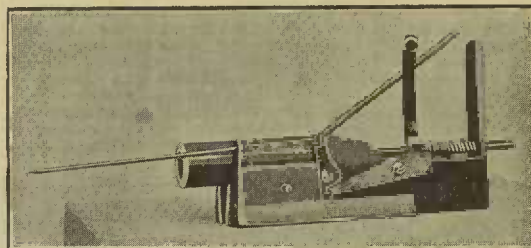
Samples showing colors of Raffia and sizes of Reeds sent for 2 cents to cover postage.

We have a valuable little book on Basket Making, only 25c., postpaid.

RAT TRAPS



OUT O' SIGHT TRAPS.



PORTLAND SEED CO.'S GOPHER GUN.

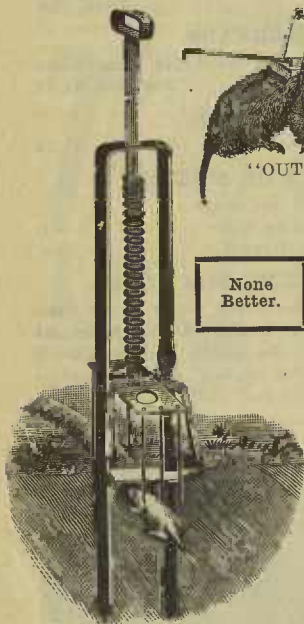
Far superior to the old styles; breech loader; place in the runway; perfectly safe. Made for 16-gauge shells; discharged by a push and can be set for hawks, coyotes and coons. Price, \$1.75.

OUT O' SIGHT TRAPS.

Out O' Sight Rat Trap Postpaid, 25c.
 Out O' Sight Mouse Trap Postpaid, 10c.
 Out O' Sight Gopher Trap Postpaid, 25c.
 Out O' Sight Mole Trap (cannot mail).....\$1.00



None Better.



REDDICK MOLE TRAP.

No Mole Can Pass Under It and Live.

These traps are strong and durable and worth the price to anyone with moles. Full directions with each trap. (See cut.) ..rice, \$1.00; cannot mail.

PLANT DEPARTMENT

We are very proud of our Plant Department and the wonderful success of our Oregon grown plants and Nursery Stocks; they have made us many friends, for nothing gives so much pleasure for so little care as growing plants, be they flowers, fruits or vegetables and a small investment in this department will bring you many returns.

We have listed only such hardy plants, shrubs and trees as are suitable to our western country and the many unsolicited letters from satisfied customers are our guarantee that we can please you.

Roses

Our roses for 1909 have been carefully selected by growing tests and our Standard varieties and Grand New Novelties make the most complete up-to-date list we have ever catalogued. The more you know about roses the better you will be pleased with the following collections:

One-Year-Old Mailing Size.

These plants we send by mail, postpaid, at catalog prices.

They are grown in small pots and are healthy and vigorous, have an abundance of roots. These roses will all bloom the first season, except some of the Climbers and Hybrid Perpetual varieties, which generally do not bloom until the second year.

Our Two-Year-Old Dormant Bushes.

These are too large to send by mail, and are sent by express at buyer's expense. Order any time from October to May.

Our two-year-old, field-grown roses are very superior, being well branched, 18 to 30 inches high, and well rooted. We do not try to list every variety grown, as there are hundreds of roses that are not worth the room they take in the garden.

Six Superb New Roses for 1909

Price small plants, 30c. each; set of six sorts, \$1.50
Two-year-old plants, 75c. each; set of six sorts, \$3.75



THE NEW
IRISH ROSE,
"BETTY."

Betty—Introduced by Messrs. Dickson & Sons, Belfast, Ireland, and regarded by them as one of the grandest of the many valuable and new roses of merit which they have originated. It is a robust grower and is truly of a unique color, being a ruddy gold overspread with golden yellow. It is deliciously perfumed, extremely large and of glorious form, and blooms continuously.

Countess of Gosford—A new, ever-blooming rose of English origin; of good robust growth and healthy; flowers of large size, good form and rich fragrance; the color is bluish-pink with a shading of yellow at the base of petals.

Dean Hole—An exquisitely beautiful rose of bright carmine pink color, with silvery shadings and with the grandeur of American Beauty in form and foliage; a fine grower, free in bloom. This is one of the grandest roses we grow and cannot be praised too highly.

LYON ROSE



THE REIGNING SENSATION OF THE ROSE WORLD

Introduced by Pernet Ducher and is a cross of Madam Melanie Soupert and a seedling of Soliel d'Or. The flowers are of a superb shrimp pink color with salmon and chrome yellow shadings, beautiful beyond description. Large buds, magnificently formed, of a beautiful coral red with chrome yellow base. Petals elegantly formed and large. Flowers full, very large and globular, on stiff stems. Blooms continuously from early summer until late fall.

The Lyon is the greatest acquisition to the rose world which has ever been sent out, and among the new roses judged at Paris, of 87 varieties, it was the only one receiving the maximum number of points (100 per cent) and has been awarded a prize of honor and the congratulations of the jury. We were fortunate in securing a limited number of this grand new rose, and will accept orders until stock is sold. Two-year-old plants. Price, \$1.50 each; prepaid, \$1.75.

J. B. Clark—One of the finest of the new roses; its glorious flowers are an intense deep scarlet, shaded blackish crimson, a color very unusual in roses. Giant flowers, finely formed and fragrant; growth vigorous and upright, with handsome foliage.

Madam Melanie Soupert—A wonderful new rose of exquisite form and dainty coloring, being a sunset yellow on a rosy carmine ground. Very large, globular; a strong, upright grower and a free and abundant bloomer; one of the most beautiful of its type.

Mrs. Theodore Roosevelt—A strong upright grower, with clean, healthy foliage. Flowers deliciously fragrant, large in size, double to the center, and of elegant form. Color, creamy white, petals faintly tinged with pink and salmon. Superb variety.

ROSES—Continued.

KILLARNEY COLLECTION FINE NEW ROSES

Price: One-year-old plants, 20c. each. Set of 8 Sorts, \$1.25. Two-year-old plants, 50c. each.



KILLARNEY.

Florence Pemberton—Creamy white, suffused pink, the edge of the petals occasionally flushed peach. Flowers very large and full, of perfect form and wonderful substance.

Frau Karl Druschki—Is one of the grandest hardy, pure-white roses ever introduced. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower; and a constant and abundant bloomer.

Franz Deegan—A splendid garden rose of unusual beauty and form; strong, healthy grower. The buds are long and pointed. The open flower is broad and full, rarely showing the center. Color, yellow; bright and pleasing.

General MacArthur—Color, brilliant scarlet. One of the most fragrant of the June-scented roses, and a true ever-bloomer, sending up thick canes continuously, every one bearing a fine blossom. Lasts well when cut.

Joseph Hill—A strong, heavy grower, producing stiff canes and dark foliage. The bud is enormously large and long pointed, opening into a monster bloom of the most beautiful and clear shades of pure salmon, bright pink and pure gold. Very distinct in every point.

Killarney—No other rose has attracted so much attention recently as the new Irish Tea Killarney. It is a strong robust grower and abundant bloomer. Both buds and flowers are extra large; color brilliant sparkling pink, and delightfully sweet.

La Detroit—This grand, new rose is beautiful shell-pink shading in the center to a soft rose-pink. Reverse of outer petals creamy-flesh tint, strong, healthy grower; prolific bloomer; delightful tea fragrance.

Richmond—A splendid new American rose of great merit. Strong in growth, splendid foliage and long stems. Color, a magnificent rich scarlet-crimson, the most vivid we have yet seen among ever-blooming roses.

SUPERIOR COLLECTION FINE NEW ROSES

Price: One-year-old plants, 15c. each. Set of 10 Sorts, \$1.25. Two-year-old plants, 50c. each.

Admiral Dewey—A sport of that peer of roses Madame Caroline Testout, and superior to that sort in many ways. The ground color is a light flesh tint, almost white, suffused with a beautiful blush, deepening to a rosy blush in the center. It is a large, full rose, with broad, heavy petals, beautifully cupped.

Baby Rambler—A dwarf Crimson Rambler not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage; perfectly hardy; but the novel feature about it is the phenomenal freedom with which it produces its flowers. Being never out of bloom from early spring until late autumn, and if grown indoors it will flower the year round.

Etoile De France—This new crimson rose is of vigorous, healthy growth, strikingly elegant in shape, very full and fragrant, with petals slightly cupped and gracefully recurved; color rich, glowing crimson, shaded with vermilion. Without doubt the finest ever-blooming crimson rose in existence.

Enchantress—It blooms with astonishing freedom, bearing its large, globular flowers in immense clusters. The color is creamy-white, slightly tinged with buff in the center; vigorous growth; fine foliage.

Ivory—This beautiful rose is exactly like the well-known Golden Gate, except in color. It is an exceed-

ingly free bloomer, always covered with fine buds and flowers which are large, full and sweet, a clear ivory white.

Lady Battersea, Red Niphotos—This variety has long, oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson; an unusually showy variety.

Mrs. B. R. Cant—This variety is remarkable for its robust habit and the profuse manner in which it blooms. The flowers are of a beautiful deep rose color on the outer petals, while the inner petals are soft silvery rose, suffused with buff at the base.

Madame Abel Chatenay—A rose of extraordinary merit. A free bloomer, with flowers of good size and substance. Color, beautiful rosy carmine, with darker shadings. Very richly colored. Grand garden sort.

Madame Jules Grolez—A rampant grower, with very large full flowers of a magnificent satin rose color; extra fine.

Souv. De Pierre Notting—This variety is a seedling of M. Neil and Maman Cochet, with beautiful, closely set foliage, and a strong, sturdy habit of growth. The bloom is very large, perfectly full, of elegant form; has a beautiful, long bud; color orange yellow, bordered in carmine-rose.

"JACK" COLLECTION HARDY ROSES

Price: One-year-old plants, 15c. each; set of 10 sorts, \$1.00, postpaid. Two-year-old bushes, 35c. each; set of 10 sorts, \$2.50.

Anna De Diesbach—Beautiful, clear, carmine pink; very large, full and delightfully fragrant.

Baron de Bonstettin—Splendid, large flowers, very double and full; color, rich dark red.

Captain Christy—Color is a lovely shade of pale peach, deepening at the center to a rosy crimson; flowers very large, sweet and exquisitely beautiful.

General Jacqueminot—Bright, shining crimson; very rich and velvety; exceedingly brilliant and handsome; makes magnificent buds and is one of the best for open ground.

Ulrich Brunner—A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson, elegantly flamed with scarlet.

Gloire Lyonnaise—Color, chamoise yellow; deepest at the center, passing to creamy white; large, full, sweet, and very distinct.

Mrs. John Laing—Very free flowering; color, a soft, delicate pink, with satiny tinge.

Margaret Dickson—Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.

Paul Neyron—Deep, shining rose, double and handsomely formed; blooms freely, the largest variety in existence.

Prince Camille de Rohan—Very dark, rich velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.

AMERICAN BEAUTY COLLECTION CHOICE ROSES

Price: One-year-old plants, 15c. each; set of 12 sorts, \$1.50. Two-year-old plants, 40c. each; set of 12 sorts, \$4.00. Second grade, \$3.00.

American Beauty—One of the largest, sweetest and best. It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers. Color, rich, rosy crimson., shaded and veined in the most charming manner. 2-year, 50c.

Bessie Brown—Color, pure white, sometimes faintly flushed pink; petals enormous and of shell shape. 2-year, 60c.

Belle Siebrecht—A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half-blown the petals reflex in a graceful manner.

Golden Gate—Creamy white, center and base of petals soft golden yellow, exquisitely bordered with clear rose; buds long and pointed. Large size, free blooming.

Helen Gould—An elegant new variety of the popular Hybrid Tea class. Flowers very large and full; produced in wonderful profusion; color, bright, glowing carmine, of a most beautiful shade.

Kaiserin Aug. Victoria—A beautiful rose with elegant, large pointed buds and very large, full double flowers; color delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer. (See cut.)

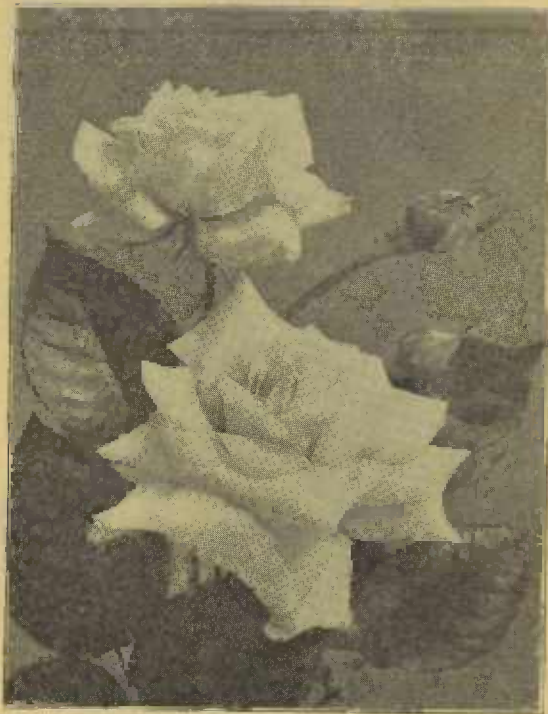
Madame Caroline Testout—A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom.

Maman Cochet—This is one of the most beautiful new Tea Roses we list. The color is a deep, rosy pink, the inner side of the petals silvery rose.

Madame Welche (T.)—Flowers have great depth and substance; globular form. Color, a beautiful shade of soft amber-yellow, deepening toward the center to orange or coppery-yellow, decidedly tinged and clouded with a pale, rudd crimson.

Virginia R. Coxe—Color, fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose in existence.

White Maman Cochet—White, grand substance, immense size exquisitely fragrant, and a free bloomer; buds long and pointed, keeping a long time when cut.



KAISERIN AUGUSTA VICTORIA.

Souv. de President Carnot—This is a rose of extraordinary beauty, is elegantly formed, very large, full and deep and deliciously sweet. The color is lovely shell-pink, delicately tinted with golden fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for summer cutting.

RAINBOW COLLECTION OF BEAUTIFUL ROSES

Price: One-year-old plants, 10c. each; set of 14 sorts, \$1.25. Two-year-old bushes, 35c. each; set of 14 sorts, \$3.50.

Bridesmaid—A fine, clear, dark pink, the counterpart of Catherine Mermet but much deeper in color.

Catherine Mermet—Faultless in form, and charming in every shade of color, from the purest silvery-rose in every shade of color, from the purest silvery-rose to the exquisite blend of yellow and rose, which illumines the base of the petals.

Etoile de Lyon—This is considered one of the hardest and best yellow bedding roses in the Tea section. It blooms freely, and every flower is a gem, equalling the Marechal Neil in size. Very sweet scented; color, rich golden yellow.

La France—Both flowers and buds are of grand size, color, a silvery rose changing to pink. A general favorite and the sweetest of all roses.

Meteor (T.)—Remarkably rich, dark velvety crimson, with no tinge of purple to mar its beauty. It is a vigorous bushy grower.

Marie Van Houtte—Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.

Perle des Jardins—One of the finest and most beautiful roses of its color ever produced. A clear golden yellow, an indescribably rich and beautiful shade, and entirely distinct.

Madame Francisca Kruger (T)—Beautiful coppery red rose, deeply shaded, one of the best bud producers in the open ground.

Papa Goutier—Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson. No other red Tea Rose can compare with it.

Rainbow—Beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant.

Safrano—Bright apricot yellow, tinged, orange and fawn; valued highly for its beautiful buds; very profuse in bloom, and deliciously tea scented.

The Bride—The finest white rose ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring four inches in diameter.

Viscountess Folkstone—Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish.

White La France—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush, decidedly clouding the depths of its broad petals; the buds and flowers are extra large, very full and finely formed; the fragrance is delicious.

STANDARD OR TREE ROSES

PRICES OF ALL TREE OR STANDARD ROSES. \$1.50 to \$2.00 EACH, ACCORDING TO SIZE OF HEAD.

Tree Roses are budded or grafted on hardy rose stocks about four feet high. They soon make good-sized heads forming a small tree, especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Order any color or variety you wish and we will

send it or give you as good a substitute as possible. We aim to have the following varieties in stock: La France, K. A. Victoria, Mad. Caroline Testout, Marie Van Houtte, Perle des Jardins, Ulrich Brunner, Gruss an Teplitz, Cochet, F. K. Druschki, Marechal Neil, Baby Rambler, Bride, Louis van Houtte and Richmond.

TWENTY FINEST GARDEN ROSES

Strong 2-year-old plants only. Price, 35c. each; \$3.00 dozen, except where noted.



MARECHAL NEIL.

Mabel Morrison—Of the purest white; velvety in its appearance; petals thick and shell-shaped; very double and rounded.

Mildred Grant (H. T.)—Beautiful pointed bud, grand giant flowers; petals edged with pale pink, shading to silvery white in center; splendid variety. Each, 50c.

Niphotos (T.)—Large, graceful buds of snow white, remaining in perfect form for many days. No other rose bears buds of this peculiar and elegant form, or that are so enduring.

Climbing Niphotos—An elegant rose, making immense, long buds of a snowy white color, sometimes slightly tinged pale lemon.

Soleil D'Or (Pern.)—Golden Sun. The first of a new type and from which the wonderful Lyon Rose was developed. A perpetual bloomer, robust grower, brownish wood, foliage beautiful, bright green and scented. Flowers very double, most beautiful when full blown, a superb color, varying from gold and orange yellow to reddish gold and shaded with nasturtium red. Delightfully fragrant. Each, 50c.

PEERLESS COLLECTION CLIMBING ROSES

Price: 15c. each; eight sorts, \$1.00.

Climbing Kaiserin (Mrs. Robt. Peary)—Flowers fine, ivory white, of heavy texture, and large size.

Climbing La France—Identical with the well-known La France, except that it has a vigorous climbing habit.

Climbing Meteor—Rapid grower; rich, dark, velvety crimson flowers; perfectly double.

Climbing Madame Caroline Testout—Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

Climbing Perle des Jardins—Of vigorous climbing habit; flowers golden yellow, of immense size.

OPHIR COLLECTION CLIMBING ROSES

Price: Postpaid, 10c. each; set of 6 sorts, 50c.

Beauty of Glazenwood (Gold of Ophir)—Bronzed yellow and fawn color; one of our grandest climbing roses; very hardy and a free bloomer; very popular all over the Pacific Coast.

La Marque—Flowers of good size, borne in large clusters, which are the distinctive features of the rose. Established plants bear thousands of blossoms; color, pure white.

Madam Alfred Carriere—Extra large, full flowers, very double and sweet, and a most profuse bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.

Anna Olivier (T.)—A splendid ever bloomer. Very beautiful in bud; flesh color shading to blush. Large and fragrant. Each, 40c.

Baroness Rothschild (H. P.)—Flowers of immense size and fine, globular form, somewhat cupped; color, bright, rosy pink; very handsome.

Black Prince (H. P.)—Splendid dark crimson flowers, which are shaded so deeply as to be almost black. Cupped, large, full, fine shape.

Christine de Noue (T.)—A fine French rose; very free bloomer, having double handsome flowers and beautiful shining buds; color a deep glowing red; a good healthy grower.

Clara Watson (H. T.)—One of the very best, and merits a place in every garden. As good and upright in growth as Kaiserin; clean, handsome wood and foliage; tremendous bloomer. Color, a delicate flesh and shell pink; opening finally to an unusually large, full and handsomely shaped flower.

Coquette De Lyon (T.)—Lovely canary yellow; immense bloomer; elegant for bedding; one of the best bright yellow roses; blooms quickly and profusely the whole season.

Hugh Dickson (H. T.)—A magnificent rose, color glowing crimson, shaded scarlet; flowers sweetly scented, large, full and perfectly formed; a strong grower and perpetual bloomer. Winner of the N. R. S.'s Gold Medal. Each, 60c.

Isabella Sprunt—Bright, canary yellow; large, beautiful buds; valuable for cut flowers; very sweet, tea scent; profuse bloomer.

Liberty—Color, rich, fiery ruby, shaded deep crimson; fragrance exquisite; without doubt one of the finest ever-blooming roses in existence. Each, 40c.

Madame Hoste—Creamy yellow, with deep buff yellow center; very large and delicately sweet; a constant and profuse bloomer; one of the finest sorts in cultivation.

Xavier Olibo—Deep crimson; large, perfectly formed flowers; a very popular and beautiful variety.

Chromatella (Cloth of Gold)—A clear, golden yellow; large; very full and double; very fragrant; highly prized for pillars and verandas.

Climbing Bridesmaid—A rampant climber, and producing such quantities of fine, large, dark pink flowers as to simply smother the plant.

Climbing Papa Gontier (T.)—This new magnificent variety is a "Native Sport" from the old favorite bush Papa Gontier, having the same splendid cherry red flowers, beautifully shaped buds, long stems, and in addition, a strong climbing habit of growth. Price, 75c.

Red Maman Cochet (T.)—This is a sport from the Pink Maman Cochet. It is like the grand and popular White and Pink Cochets in everything except color, which is an intensely bright cerise, or rose. A profuse bloomer. Each, 50c.

Two-year-old plants, 35c. to 50c. each.

Climbing Wootton—This fine red rose is a strong, rapid grower, throwing long, thick canes and bearing large clusters of true Woottons.

Gloire de Dijon—Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream; a magnificent climber.

Marechal Neil—A magnificent deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence.

Two-year-old plants, 35c. to 50c. each.

Reine Marie Henriette—A strong, vigorous, grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.

Reve d'Or (Climbing Safrano)—A splendid, robust climber, best of foliage; color apricot yellow, with orange and fawn tints; petals of superb and delicate texture; flowers moderately full; always pretty and graceful, whether in bud or full open; a very profuse bloomer.

William A. Richardson—Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

ROSES—Continued

The Famous Rambler Roses

Price: 10c. each; two-year-old plants, 35c. each, except where noted.

The Rambler Roses are strong, vigorous climbers growing ten to twelve feet high in season. They bear immense clusters of beautiful, fragrant flowers.

Crimson Rambler—Intense, dazzling crimson.

Pink Rambler (Psyche)—Beautiful bright pink, tinged with creamy yellow.

White Rambler (Thalia)—Pure snowy white.

Yellow Rambler—Rich golden yellow.

Dorothy Perkins—Beautiful shell pink.

Philadelphia Rambler—Deep, rich crimson.

Lady Gay—A most desirable new variety of remarkable vigorous growth, with flowers of delicate cerise-pink, passing to soft tinted white. The effect of a plant in full bloom with the combination of the soft white flowers, cherry-pink buds, and the deep green of the foliage is indeed charming.

Each, 15c.; 2-year-old, 50c.

EVERBLOOMING CARNATIONS

Beautiful Collection of Choice Carnations

Price: 15c. each; four for 50c.; set of twelve fine varieties, \$1.25, postpaid.

Admiral Cervera—Clear, deep orange in color, lightly flaked with vermilion, deeply fringed, stem and calyx perfect. A remarkably vigorous and free flowering carnation.

Bountiful—Color pearly white, very large, with heavy, glistening petals, delicately fringed; very fragrant.

Enchantress—Flowers very large, borne on long stems. The color is a superb shade of flesh pink. An early and continuous bloomer.

Estelle—A bright, deep scarlet; a most perfect color, soft, yet brilliant; the flower is of the largest size and perfectly double; nicely fringed; sweet.

Melba—A beautiful shade of silvery pink; large and handsome.

Mrs. Thomas W. Lawson—Simply superb, both in form and color; brilliant dark pink, of immense size.

Prosperity—Distinct pure white, overlaid with pink mottles, deepening toward the center; flowers of enormous size.

President Roosevelt—Magnificent, bright, rich crimson; large, perfectly double flowers.

Viola Allen—One of the largest carnations. Ground color of flower creamy white; very beautiful; pencilled with light pink.

Victory—Regarded by many as the finest scarlet carnation. In color it is the most intensely brilliant scarlet; stems long and firm, holding the flowers upright.

White Perfection—The grandest white, and most prolific bloomer of enormous size; full and double.

Windsor—This variety has been greatly admired wherever it has been seen for its desirable color, being a beautiful delicate shade of pink; flowers of large size and very freely produced; plant of grand habit and vigorous growth.



Firefly Collection of Fine Carnations

Price: 10c. each; six for 50c.; set of fourteen varieties, \$1.25, postpaid.

America—One of the best reds cultivated, because it begins to bloom early and gives good supply of flowers throughout the season.

Argyle—Flowers of excellent form; a beautiful shade of deep cerise.

Boston Market—Flowers large, full and fragrant, pure white.

Firefly—Rich scarlet; flowers large and deeply fringed; an early and continuous bloomer.

Dr. Patskie—Large flowered variety, white, striped bright scarlet; this is the most showy of all the fancy flowered carnations.

Eldorado—Yellow, finely formed flower of good size; petals edged with a narrow band of light pink.

fourteen varieties, \$1.25, postpaid.

Flora Hill—Fine white, large size, very fragrant and an early, profuse bloomer; flowers of fine form.

Harlowarden—Brilliant dark crimson; very vigorous in growth, of excellent habit.

Miss Frances Joost—Color, soft, pure rose, so much admired by cut-flower purchasers.

Peru—Color, a pearly white; one of the finest and most beautiful varieties in our collection.

Portia—Intense bright scarlet; vigorous constitution.

Psyche—A splendid free flowering fancy carnation; pure white, flaked scarlet.

The Queen—A beautiful pure white variety; one of the most prolific bloomers.

William Scott—A free bloomer; fine, sweet flowers; color bright, delicate, rosy pink.

Flowering Begonias

Price: 10c. each; set of six sorts, 50c.

Compta—Long-pointed green leaves, having a silver tinge along the mid-rib; underside of leaves and stem pale pink; fine cluster of white flowers.

Gracilis Luminosa—The freest flowering begonia we have. Makes a handsome window plant, with its glossy green leaves and bright red flowers.

Marjorie Daw—A strong, healthy grower of semi-climbing or trailing habit; foliage deep glossy green; flowers a beautiful shade of salmon-pink, produced in long drooping clusters. An excellent plant for vases, baskets or pots.

Marguerite—Bronzy green, with purple cast; large trusses of cream and rose-colored flowers.

Thurstoni—Foliage dark bronze green on upper surface, reddish on under side; flowers large, in good-sized panicles, pure white, nicely decorated with downy red hairs. A beautiful house plant.

REX BEGONIA.

Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants; also useful in baskets and vases. We offer twenty of the most distinct and handsomely marked varieties.

Price, large plants, 25c. each.



REX BEGONIA.

Superb New Japanese Chrysanthemums

Price, 15c. each; 4 for 50c.; set of ten sorts, \$1.00.

Amorita—Pearly pink, brighter in the depths; very early; incurved Japanese, of large size and splendid proportions.

Clementine Touset—Grand new incurved white variety, sometimes faintly touched with pearl. A gem among Chrysanthemums.

Easygold—Elegant, lemon yellow, incurved flowers, produced in great profusion early in the season. A most satisfactory variety for the garden.

Golden Age—Deep, golden yellow, of the richest hue, of immense size; the petals are feathery and whorled, forming a most artistic flower. No finer yellow variety in existence.

Merstham Crimson—Largest and most beautiful dark crimson scarlet yet raised; looks like crimson velvet; the color long desired. Superb in the garden.

Majestic—One of the grandest new varieties; color, a pure snow-white, with broad, solid, incurving petals overlapping each other.

Mrs. Wm. Knox—Large, expanding, broad-petaled flowers of grand build and substance; color clear chamois, buff touched salmon and bronze.

Mrs. James Marshall—Flowers heavy in substance and of beautiful texture and contour; color flesh pink; fine for cut flowers and garden decoration.

President Roosevelt—A new and unique color, being a pure white ground, shaded to deep pink in the center. Fine, bold, incurved flowers on short, stout stems. Superb new variety.

Phenomenal—Cerise pink, shading to gold. Very prominent in many of the prize winning collections of the season. The flowers are finely incurved, petals interlacing in the center in a beautiful manner.



Early Flowering Japanese Chrysanthemums

Price, 10c. each; set of 10 sorts, 75c.

Carrie—Very early, yellow; reflexed Japanese, of good size, color and substance.

Geo. S. Kalb—Snowy white, high built, incurved bloom. A beautiful flower.

George W. Childs—No Chrysanthemum has created such a sensation as this; of immense size and of the richest, deep velvety crimson; winner of four gold medals.

Ivory—Snowy white, of perfect incurved form, very large; this is undoubtedly one of the most useful varieties ever introduced.

J. K. Shaw—A beautiful light shade of pink, having excellent keeping qualities; with extra good foliage and stem. A grand commercial flower.

Madame Bergman—Early, white, coming into bloom the first week in October; a fine, incurved flower.

October Sunshine—A handsome, yellow variety of pure tint; splendid in size and form, and a magnificent addition to the very early varieties.

Source d'Or—Golden, twisted flowers, tipped yellow and shaded with brown. One of the most satisfactory for general planting.

Vivian Morel—A very early and very large, deep pink variety. Fine double flowers on a stiff stem; an excellent keeper and very valuable for early cut flowers.

Willowbrook—Beautiful, pure white variety, petals, twisted and arranged in a most artistic manner.

Geraniums for Pot and Bedding

SEVEN FINEST SINGLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Gertrude Pearson—Flowers bright pink, upper petals shaded to white.

Jacquerie—Rich, vivid crimson; immense trusses.

Leon Perrault—Brilliant scarlet, of the most dazzling shade; very large trusses and florets.

Mrs. J. M. Garr—Trusses large and of perfect form; color pure snowy white.

Mrs. A. Blanc—Light salmon, blended with darker shades; center and edge of petals pure white; extra fine.

Madame Bruant—Center of flower white, veined with carmine-lake; distinctly bordered with bright solferino.

Van Beneden—Fine large flowers, lower petals rich violet, bordered with scarlet, upper petals orange scarlet.

SEVEN FINEST DOUBLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Beaute Poltevine—Very large, semi-double flowers of a brilliant salmon color.

Contraste—Flowers and trusses very large; lower petals orange and carmine, upper petals clear orange.

Francois Magnard—Fine, bright magenta shade, flowering very freely in large trusses of well opened flowers.

Francis Perkins—The finest pure pink variety we know of.

Heteranthe—Color, bright vermilion red. Trusses very large.

La Favorite—Trusses very large; flowers pure snow white.

S. A. Nutt—The best of the rich, dark crimson varieties. Trusses massive.

Pelargoniums

(Lady Washington Geranium)

Price, 20c. each; set six sorts, \$1.00.

Dorothy—Fine large flowers, of a soft shade of carmine rose, upper petals blotched maroon.

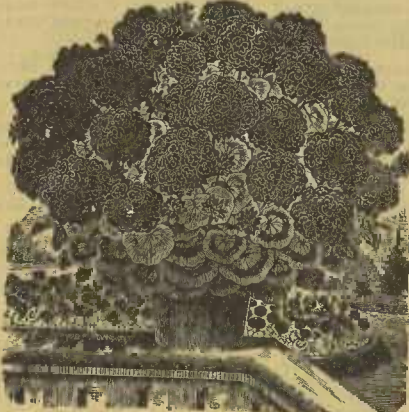
Doctor Tevis—Bright rose pink, shaded scarlet; maroon blotch on upper petals.

Madame Vibert—Of very sturdy growth, bushy habit and free bloom. The blotches are blackish maroon, bordered with red, while the entire flower is edged with rose and white.

Mabel—Velvety pink, upper petals blotched blackish maroon.

Prince Henry—Rosy red, shaded orange and chocolate and margined with white.

Reformation—Color, white, faintly suffused with pink, the two upper petals blotched with deep violet maroon.



GERANIUMS.

Centralia, Wash., Dec. 6, 1908.

Portland Seed Co.,

Gentlemen:

I received my Roses Wednesday in perfect shape; am delighted with them.

Thanks for prompt attention,

Yours truly,

914 G St.

MRS. ELSA HALSON.

Fine New Fuchias

Price, 10c. each; set seven sorts, 60c.

Anna Earle—Tube and sepals waxy white; corolla single, clear carmine; plant of splendid and free blooming habit.

Commandant Marchand—Fine, large and elegant form, sepals long and reflexed, pure red; corolla large double white.

General Roberts—Flowers very large, corolla plum color, tube and sepals crimson; one of the finest varieties.

Little Beauty—Rich crimson sepals; corolla purple; dwarf habit and very floriferous; a little gem.

Molesworth—Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white; an excellent grower and profuse bloomer.

Minister Boucher—An extra large, double, rosy-purple flower; a free, strong grower; very full, wide corolla.

Rose Phenomenal—A fine, large, rounded corolla with strongly recurved sepals. The corolla is a delicate heliotrope color, suffused with rose.



FUCHIAS.

Grand New Heliotropes

Price: 15c. each; set of 4 sorts, 50c., postpaid.

Albatross—Elegant dwarf, bushy growing, new variety of great merit; large panicles of pure white flowers in great profusion all season; the best white variety to date.

Heavenly Blue—Large, close panicles of exquisite light blue flowers, with white eye. Grows vigorously and flowers abundantly; very fine for bedding out, for which purpose we offer it at \$1.00 per dozen.

Lavender Queen—Enormous florets, very large trusses of bloom; color, a beautiful shade of lavender, suffused with rosy mauve. A dwarf, robust grower and very free and continuous bloomer.

Royal Purple—Very large and fragrant; color, deep violet purple, with white eye; very floriferous, and cannot be too highly recommended for bedding out, for which purpose we offer it at \$1.00 per dozen.

New Double Fringed Petunias

Price, 10c. each; seven sorts, 60c.; fourteen plants, any variety, \$1.00

Double Petunias make excellent bedding plants, as well as being suitable for pots and vases. Like the single Petunias, they bloom continuously all through the season; the flowers, however, are far more beautiful, being larger, quite double and finely fringed. The varieties we offer are the latest production of a noted specialist and are without doubt the finest yet produced.

Champion—A unique and beautiful variety, light lavender pink with white edges, veined and marbled with brownish crimson.

Edna—Deep, violet crimson, mixed with white, clear white on the edges of the petals.

Fantasy—A grand variety, deeply fringed, large and very double, pure white irregularly splashed with violet.

Majestic—An extra large, fine double fringed variety, deep violet crimson with a velvety finish.

Pink Beauty—A lovely shade of light clear pink; one of the most beautiful yet raised.

Sea Foam—For purity of color, form, size and vigor of growth, this variety is unsurpassed in double white petunias.

Wonderful—A distinct shade of heliotrope, beautifully fringed.

FERNS

Set of four small plants, 60c.; large plants, \$1.00.

Asparagus Sprengeri (Emerald Feather)—One of the handsomest and most valuable evergreen trailing plants for the house. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, very useful for bouquets and floral decorations.

Nice plants, 15c. to 30c. each, postpaid.

Asparagus Plumosus (Climbing Lace Fern)—a finer and more delicate plant than the Sprengeri, but hardy and easily grown; very satisfactory for window and house culture; an extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut.

Nice Plants, 20c. to 35c. each, postpaid.

Boston Fern—One of the most beautiful and useful of house plants. It is of easy culture and its swordlike fronds, in large specimens, attain a length of two to three feet.

Nice plants, 15c. to 35c. each postpaid.

Ostrich Plume Fern—One of the most wonderful and beautiful plant introductions of the present age. This new sort is a sport from the well-known Boston Fern but more feathery. Has no equal. Nice plants, 20c. to 35c. each, postpaid

Japanese Fern Balls

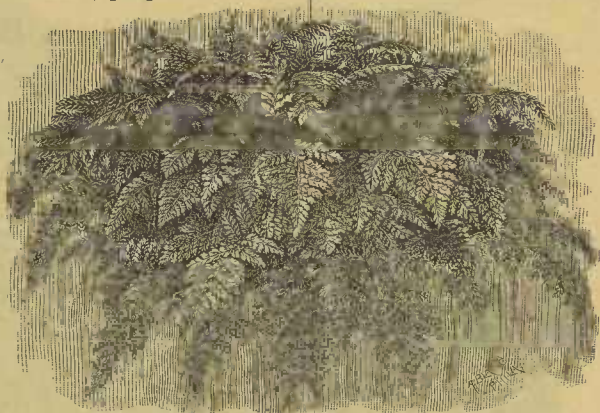
This beautiful novelty is composed of the Japanese Island Fern Roots and Sphagnum Moss, and so constructed as to send out leaves of beautiful emerald green from every point. They grow rapidly and make a handsome ornament for the home, conservatory or greenhouse.

A BEAUTIFUL YARD.

Nothing so enhances the value and adds to the pleasure of your home as a small investment in shrubs and flowers.



DOUBLE PETUNIA.



FERN BALL
(In full leaf).

DIRECTIONS FOR STARTING.

Place ball in water for 15 minutes, and then suspend in any desired position or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

Price of Balls in a dormant state, each, 75c.

PALMS, ETC.

Our 52 page Catalog of Nursery Stock and Roses will give descriptions and prices on our Holland and Japan Palms, Shrubs, Plants, etc. Free on request.

Hardy Perennial Garden Plants

Are valuable and most desirable. They die down only to the roots during the winter, continuing to grow and bloom year after year with little care, increasing in beauty as they acquire age.

Price, 15c. each.

Large clumps, 35c. each.

Japanese Anemones. There is nothing more beautiful in the entire list of hardy plants. They commence to bloom in August and increase in beauty until frost. We offer two finest sorts, Queen Charlotte (pink), Whirlwind (white).

English Primrose, Dean's Hybrids. Pretty low growing plants, bearing beautiful flowers early in the spring, having the cowslip fragrance so dear to the heart of every Englishman. Rich shade and of a very wide range of color, from pure yellow to the deepest crimson maroon.

Gaillardia, Grandiflora. One of the showiest and most effective hardy plants, growing about 2 feet high; beginning to flower in June, they continue the entire season. The large flowers are of gorgeous coloring, being a combination of yellow, brown, crimson and orange. Excellent for cutting.

Helianthus, Soleil D'Or. Graceful, golden yellow flowers having quilled petals similar to a Cactus Dahlia. Always in bloom.

Phlox, Perennial. No garden should be without these showy and satisfactory plants. They are as hardy as an oak, growing rapidly, making large clumps in a short time, and bear in the summer and fall massive panicles of flowers in unusual shades of rose, salmon, mauve, dark red and white. 6 sorts, all different, 75c.

Garden and House Plants

Aloysia, Citriodora. (Lemon Verbena.)—Foliage delightfully fragrant. 15c. each.

Calla, Ethiopica. (Lily of the Nile.)—An old and well-known house plant; white, trumpet-shaped flowers. Price: 15c. each; large plants, 25c. each.

Cinnamon Vine. A beautiful vine of rapid growth, suitable for porches, trellises, etc.

Extra large roots, 10c. each.

Genista, Shower of Gold. Beautiful spring blooming house plant bearing sneets of pretty yellow flowers. 15c. each.

Marguerite (Queen Alexandre). Superb new white Marguerite or Paris Daisy. Flowers very large and striking. Fine garden plant. 10c. each.

Coreopsis, Golden Sunbeams. One of the most beautiful hardy plants in existence, bearing profusely all summer large golden yellow flowers, on long stems, making it especially adapted for cutting.

Hollyhocks. Stately garden plants bearing large double flowers in wide range of colors from pure white to deep maroon.

Poppy, Oriental. Immense rich orange-scarlet flowers, one of the most stately perennials.

Poppy, Iceland. Beautiful dwarf growing hardy plant, producing all summer beautiful cup shaped flowers of various shades of yellow, orange and white.

Rudbeckia, Golden Glow. One of the most distinct and beautiful hardy perennials. Should find a place in every garden. The plant is a strong grower, of fine branching habit, bearing by the hundred, on long, graceful stems, beautiful double blossoms of the brightest golden yellow, and as large as Cactus Dahlia.

Shasta Daisy, Alaska. This superb new hardy Marguerite has proven to be a plant of wonderful merit, bearing its large, fluffy, white flowers with golden yellow centers from early in July until late fall, and is never without flowers. A grand thing for the garden. Fine for cutting, have long stems, and are good keepers. Nothing finer for the hardy border.

Lantana, Red and Gold. This beautiful new dwarf Lantana is one of the finest bedding plants we know of. Grows eight inches high and is covered all summer long with large umbels of red and yellow flowers, somewhat after the style of a Verbena. Certainly fine for beds. 10c. each; \$1.00 per dozen.

Primrose (Chinese). One of the best of all the plants we cultivate for winter flowers, and most worthy of recommendation for window gardening. White, pink and scarlet. 20c. each.

Primula (Obconica). A lovely new perpetual blooming Primrose, flowering nearly every month in the year. The flowers are borne in loose trusses, delicate rosy lilac, shaded to white. 20c. each.

Sweet Violets

Price: 15c. each; 6 sorts, 75c.

Alaska. A grand sort, well adapted to garden culture, being hardy and robust, and producing in spring great masses of enormous double flowers of a deep blue-black color and powerful fragrance.

Lady Hume Campbell. Large double flowers of a beautiful light blue color; very free blooming and exquisitely fragrant.

California. Very showy and beautiful flowers of enormous size, deep violet blue; deliciously fragrant.

Princess of Wales. Flowers single, of gigantic size; color a very rich shade of blue, and extremely fragrant.

Marie Louise. A constant bloomer, producing great quantities of large, double flowers, lovely deep violet purple.

Swanley White. The finest and best double white violet in cultivation.

Summer Flowering, Bedding Plants

During the months of April and May we have thousands of the following hardy bedding plants, price per dozen by express at buyer's expense:

Alyssum	\$.35	Lobelia .....	.35
Asters .....	.25	Marigold .....	.50
Balsam .....	.50	Mignonette .....	.50
Carnations .....	.50	Petunia .....	.50
Cosmos .....	.35	Pansies .....	.50
Daisies .....	.50	Phlox .....	.50
Forget-Me-Not	1.00	Salvia .....	.50
Geraniums .....	.50	Stocks .....	.35
Heliotrope	1.00	Verbena .....	.50
Hollyhock	1.00		

For description of these flowers, see Flower Seed Department. If wanted by mail, add 25c. per dozen for postage, and if it does not require this amount, we will put in extra plants.

New Giant Pansies

These plants that we are offering are raised from the finest strains of seed. Persons purchasing from us have the assurance that they are getting the best that can be had.

Each, 5c.; per dozen, 50c.; by mail, 75c. dozen.

Note—From March until June we have Pansy Plants in full bloom—none finer in the world. Put up one dozen in a basket. (See cut.) Price, 60c. to 75c per basket by express. You will not be disappointed in these.



Hardy Flowering Shrubs

For a complete and descriptive list of Flowering Shrubs, plants and Trees, send for our 48-page Illustrated Nursery Catalog. Free on request.

Hardy Climbing Vines



Jackmanii.

Henryi.

Mad. Ed. Andre.

SPECIAL—One plant of each of these handsome Clematis, postpaid, only \$1.50.

AMPELOPSIS, or Virginia Creeper.

Quinquefolia—Has large, luxuriant foliage, which in autumn assumes the most gorgeous and magnificent color. Each, 35c. to 50c.

Veitchii (Boston Ivy, Japan Ivy)—This is the handsome creeper so generally used for covering brick, stone and wooden walls; vine grows rapidly; leaves glossy green, taking on beautiful autumnal coloring. Each, 35c. to 50c.

CLEMATIS.

Hardy vines, bearing beautiful flowers the greater part of the summer and fall. Very desirable for trellises, porches and pillars.

Large Flowering Varieties.

Henryi—Fine, large, creamy-white flowers.

Jackmanii—Violet-purple, rich, velvety appearance. The most popular Clematis we have.

Mad. Ed. Andre—A beautiful red.

Choice plants of above sorts, each, 60c. to 75c.

Clematis Paniculata—A strong, rapid and vigorous grower; it produces sheets of medium-sized pure white flowers of the most pleasing fragrance; perfectly hardy. Choice plants, 35c. to 60c.

At above prices we will send the plants postpaid, but, of course, send larger plants by express or freight.

HONEYSUCKLE.

Halleana, Japanese—Vigorous climber; white flowers, changing to yellow; evergreen; very fragrant. Each, 35c. to 50c.

New Belgian, Sweet-Scented—Remarkable for the large size and delicious fragrance of its flowers; dark, rich red and creamy yellow; healthy, vigorous, free bloomer. Each, 50c.

IVY.

English—Thick, leathery evergreen leaves; strong grower. Good Roots, each, 25c.

WISTARIA.

W. Sinensis, Chinese Wistaria—One of the most elegant and rapid-growing of all climbing plants; has long, pendulous clusters of pale blue flowers in May and June and in autumn.

Choice plants, each 35c. to 50c.; large, 75c. to \$1.50

Get our Nursery Catalog for complete list and full descriptions.

Flowering Roots and Bulbs

Bulb Catalog

We issued about Sept. 15 a special 48-page illustrated and descriptive catalog of imported flowering bulbs—sent free on request.



LILY OF THE VALLEY.

Lily of the Valley

One of the most charming spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. It will thrive in any common soil, and will do well in shady situations, where few other plants will succeed. Highly prized for cutting purposes, and exceedingly well adapted for flowering in pots in the winter. Can be forced to bloom in four to six weeks from time of planting. It is perfectly hardy and most charming planted in beds on borders round the lawn, where they can remain, increase and bloom from year to year.

Each, 5c.; Clumps, 30c. to \$3.00 each; dozen, 40c.; per 100, \$2.50, postpaid.

Bleeding Heart

(*Dicentra Spectabilis*.)

One of the most ornamental of hardy spring flowering plants, with elegant, green foliage and long, drooping racemes of heart-shaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong Roots, each, 30c., postpaid.

Cannas

Where brightest and most imposing effects are desired in bedding, the Canna is unequalled. Their large, palm-like leaves and immense spikes of bright colored flowers make a handsome and rich display. They are easy of culture, growing well in any good garden soil. Planted in the early spring, they soon flower and remain so until cut down by frosts in the fall. Recent years have wrought wonderful improvements in Cannas, increasing their beauty a hundred fold.

NOTE—Discard the old, out of date Cannas you have been planting and get some new types. You will be surprised and pleased at the difference in leaf and flower.

Plant the taller sorts in the center of the bed; shorter ones the outside. We give height of each variety.

We are the largest growers of Cannas and Dahlias on this Coast. Eighteen Cannas will fill a bed six feet across.

MUSAFOLIA

This is the finest foliage Canna yet seen; has enormous Musa-like leaves, 2x5 feet, of a dark green. In size and beauty of foliage it is a revelation, and makes a clump or single specimen plant for the lawn which no other foliage plant can approach. Attains a height of eight feet, beautiful and symmetrical at every stage of growth.

RED CROSS.

One of the finest Cannas, magnificent rich dark bronze foliage, of massive sturdy habit, flowers a brilliant glowing orange red. One of our most pleasing varieties. Height 3 to 4 feet.

Price: Each, 30c.; three, 75c.; dozen, \$2.50, postpaid.



CANNA PLANT (in bloom).

Superb, New, Giant Flowering Cannas

KING HUMBERT.

(Awarded Gold Medal at the St. Louis and Portland Expositions.) In this grand new orchid flowered Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its mammoth flowers are produced in heavy trusses of gigantic size and are of a brilliant orange scarlet with bright red markings, while the foliage is broad and massive and of a rich coppery bronze with brownish green markings; bold and effective. Has no equal; 5 to 6 feet.

Each, 40c.; 3 for \$1.10; 12 for \$4.00.

Rainier. A fine bedding variety, foliage large and good texture, dark green; flowers, rich, velvety crimson; 5 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00.

MUSAFOLIA GIANT CANNAS

Try
Them



CANNAS.

Above cut gives you an idea of the size of the leaves of our new Canna "Musafolia." In the background is our Mr. Klöninger, the most extensive grower and one of the best authorities on bulb culture in the Northwest.

Alice Roosevelt. An excellent variety, and one of the finest reds. Flowers of large size and good substance; foliage green.

Each, 25c.; 3 for 60c.; 12 for \$2.00.

America. Beautiful bronze foliage; spikes very large and flowers enormous; glowing red; yellow throat; 5 feet.

Each, 20c.; 3 for 50c.; 12 for \$1.60.

Charles Henderson. Green foliage. This we consider one of the finest bedding varieties in existence as it is of compact, vigorous growth and a free bloomer; color, a deep, rich crimson; 4 to 5 feet.

Each, 20c.; 3 for 50c.; 12 for \$1.60.

Multnomah. Flowers, bright rich golden yellow, thickly dotted with bright red; of large size and perfect form; a fine bloomer; foliage green; 4 to 5 feet.

Each, 20c.; 3 for 50c.; 12 for \$1.60.

Leonard Vaughan. Rich deep bronze foliage. Strong grower. Free bloomer. Flowers well formed, and show boldly above the foliage. Color, bright scarlet; 4 to 5 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00.

Italia. Bright orange-scarlet with broad golden-yellow border; the flowers are produced on massive stems, set well above the foliage, which is large and heavy; 5 to 6 feet.

Each, 20c.; 3 for 50c.; 12 for \$1.60.

Oregon. The flowers are truly gigantic in size; beautiful, rich canary yellow; inner part of petals shows fine crimson spots; strong, thick, dark leaves; 5 to 6 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00.

Mrs. Kate Gray. Foliage, green; flowers very large; rich orange scarlet marbled with red, yellow in the throat; 5 to 6 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00.

Louisiana. A strong, vigorous grower, attaining a height of 7 feet, producing a dense mass of glossy green foliage and vivid scarlet flowers of mammoth size.

Each, 35c.; 3 for \$1.00; 12 for \$3.50.

Mixed Cannas

(Assorted Roots.)

We do not advise the planting of mixed Cannas, as you cannot make such an effective display, but they are low in price and will answer for some purposes.

Each, 15c.; 6 for 75c.; 12 for \$1.35, postpaid.

Caladiums

Esculentum. (Elephant's Ear.) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Height, 4 to 5 feet.

Each, 20c.; 12 for \$1.50, postpaid.

Jacksonville, Oregon, Dec. 1, 1908.
Portland Seed Company, Portland, Oregon.,
Gentlemen:

I received my Trees and Plants in fine condition, and am greatly pleased with same.
Respectfully,
MRS. WM. HEELEY.

LILIES

These are the most fragrant, beautiful and stately of all flowers produced from bulbs; they require very little care. Do not disturb them oftener than every five years. Plant about six inches deep. The *Harrissii* and *Longiflorum* Lilies force very easily. The *Speciosum* are, next to the *Auratums*, the most magnificent species for outdoor culture. They increase in size and beauty each year.

Lilium Candidum. This is the ever-popular, fragrant, snow-white, hardy garden Lily. The flowers are produced in clusters at the top of 4 to 5-foot stems; blooms in the open ground in June. Each, 15c.; dozen, \$1.50.

Lilium Harrissii. Known as the "Easter Lily." The flowers are delightfully fragrant, pure waxy-white, trumpet-shaped, and of great substance. Each, 25c.; dozen, \$2.50.

Lilium Longiflorum. Very much like the *Lilium Harrissii*, but little later, profuse bloomer. In the open ground they bloom in June and July. Each, 15c.; dozen, \$1.50.

Mammoth bulbs, each, 25c.; dozen, \$2.50.

Auratum. The handsomest and probably the most popular of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band shading its edges into white; very fragrant. Each, 20c.; dozen, \$2.00.

Auratum Platyphyllum. Similar to *Auratum*, larger and finer. Each, 25c.; dozen, \$2.50.

Lilium Speciosum.

No words can overestimate the brilliant beauty of this charming variety. Its six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color, and exquisite fragrance make this one of the most effective and desirable of the lily family. They are profuse bloomers and last for days after being cut and put in water.

Speciosum Album. Pure white flowers freely. Each, 20c.; dozen, \$2.00.

Speciosum Rubrum. White, with dark rose spots. Each, 20c.; dozen, \$2.00.

Speciosum Rubrum Melpomene. Rich, blood crimson, heavily spotted. Each, 20c.; dozen, \$2.00.



LILIUM AURATUM (single flower, one-fifth size).

Tigrinum Flore Pleno (Double Tiger Lily). A magnificent lily of stately habit, bearing immense clusters of large double flowers; color, bright orange spotted with black. Each, 20c.; dozen, \$2.00.

Tigrinum Splendens (Improved Single Tiger Lily). Large flowers of excellent form; color, orange salmon, with dark spots; hardy and free bloomer.

First size, each, 15c.; dozen, \$1.50.

Washingtonianum (Mt. Hood Lily). A beautiful lily, native of Oregon; flower of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant. Each, 20c.; doz., \$2.00; mammoth bulbs, 25c. each.

Gladioli

Will thrive and bloom with the least care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass. Our collections contain many of the finest and highest priced sorts. Gladioli are of the simplest culture. Plant any time from March to June.

The new named varieties are marvels of beauty. The wonder of the floral world. Price: 15c. each; \$1.60 dozen.

Attraction. Deep crimson, white center. America. Exquisite shade of pink lavender.

Canary Bird. Pure canary yellow.

Klondyke. Light yellow, crimson maroon blotch.

Octoroon. Beautiful salmon pink.

Sunlight. Light crimson, canary throat, mottled velvety maroon.

Superb. Enormous pink, flaked and striped salmon.

Reine Blanche. Pure white, dark carmine blotch.

TWO FINEST.

Price: 25c.; \$2.50 dozen.

Blue Jay. Indigo, only real blue.

Blanche. Pure snow white.

Gladioli Hybrids

Large bulbs, 10c. each; \$1.00 dozen. Second size, 8c. each; 75c. dozen, postpaid.

Gladioli Lemoinei. These have odd and fantastic markings; brilliant and showy colors, mostly light shades.

Gladioli Groff's Hybrid. A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.

Gladioli Childsi. Of grand size and color, very showy; containing a large per cent of red and dark shades.

Gladioli, Fine Mixed. This mixture will produce a large variety of flowers at a little expense; unequaled for the price. Large bulbs, 2 for 15c.; 75c. per dozen. Second size, 50c. per dozen, postpaid.

Our Bulbs are large
and bloom the
first year.



DAHLIAS

The Dahlia is one of the most popular and lasting of our summer and fall flowering bulbs, and the latest introductions are marvels of beauty. The flowers are showy and gorgeous, being produced in great profusion, and are fine for bouquets and decoration. Dahlias come into bloom in July and continue until severe frost.

We are making a specialty of growing Dahlias and offer only such varieties as we know have special merit. We write our descriptions in the Dahlia fields while the plants are in bloom and are not guessing as to color and general effect of these improved varieties. See cuts for general form of flower.

HONOR COLLECTION OF Newest Dahlias

This collection contains 12 of what we believe to be the most magnificent and up-to-date sorts, an ideal collection.

Special—One bulb each variety (12 sorts), only \$4.00.

Special—In collections of three or more you may deduct 5c. from the price of each bulb; in lots of six or more, 7c. each. Number after each name shows type of flower. (See cut.)

Arachna. (No. 1.) Center of each petal white, edged with deep band of bright red, variable, petals long and curved. Each, 35c.

Eva. (No. 3.) A lovely, pure delicate white, of fine form. Flowers are carried perfectly upright on stiff stems; one of the best whites. Each, 40c.

Mrs. Carter Page. (No. 3.) Elegantly-formed flowers; for exhibition indispensable; the petals are of great length and beauty; a model flower; the color is a rich, velvety crimson or maroon with a tinge of yellow at the base of each petal; stems long. Each, 50c.

Mrs. Leslie. No. 1.) One of the finest scarlets to date. A good bloomer; of grand size and texture; petals long and narrow. Each, 50c.

Maid of Honor. Soft peach; flowers large, perfect form. Each, 50c.

Gen. Jack. Fine large flowers, broad petals, color of Jacqueminot. Each, 50c.

Reliable. A rare combination of yellow, brick red and salmon; truly grand. Each, 50c.

Standard Bearer. (No. 3.) Rich, fiery scarlet, one of the very best. Good bloomer. Each, 25c.

Victor Von Scheffel. (No. 3.) In this grand new Dahlia we have the same good qualities as in Kriemhilde, but the color is more tender and pleasing, the deeper shades being of a soft pink, fading off to pure white at the center; entirely distinct. Each, 50c.

Sacajawea. No. 4.) Orange, shaded red. A fine large bold flower; very effective and pretty; excellent bloomer. Each, 45c.

Erkonig. (No. 1.) A grand new sort. Color, soft chestnut; yellow base; fine bloomers. Each, 25c.

Progenitor. Bright carmine or crimson lake, petals deeply fringed forming several points. A magnificent new Dahlia. Price, each, 40c.

New and Handsome Cactus Dahlias

In ordering six or more bulbs from this collection you can deduct 5c. per bulb.

WHITE SHADES.

Florence M. Strédwick. (No. 3.) A grand new white; of large size; perfect form; flowers keep well; good stems. Each, 35c.

Peace. (No. 3.) Free blooming white Cactus; handsome and attractive. Each, 15c.

RED AND DARK SHADES.

Aunt Chloe. (No. 1.) Rich black maroon, with long narrow petals, one of the darkest of the Cactus varieties. Each, 20c.

Zulu. (No. 1.) Deep velvety maroon, darkest shade, magnificent form. Each, 40c.

Gabriel. Soft crimson; of great beauty. Florets somewhat incurved. Very distinct. Each, 35c.

YELLOW SHADED.

Triumphant. (No. 3.) Best yellow to date. Perfect in form; bright lemon yellow; flowers large. Each, 40c.

Pearl of the Garden. (No. 1.) Flowers large; lovely canary yellow; good stems; petals, long and narrow and much twisted and much twisted and twirled. Each, 25c.

SHADED AND VARIEGATED.

Sensation. (No. 1.) A grand new sort; flowers large. Bright orange striped and flecked with red. No description will do it justice. Each, 30c.

Kriemhilde. (No. 3.) An exquisite, delicate shell pink shading to white in the center. Excellent for cutting; profuse bloomer. Each, 25c.

Pink Pearl. (No. 1.) A remarkably pretty shade of rich, rosy-pink and blush white; distinct and pleasing. Each, 40c.



CACTUS DAHLIAS—Continued

Capstan. (No. 1.) Soft orange-scarlet, shaded apricot. Free flowering. Each, 20c.

SHADED AND VARIEGATED.

Brittania. (No. 1.) Early free bloomer; handsome flowers; soft salmon pink. Each, 25c.
 Countess of Lonsdale. (No. 1.) Profuse bloomer. Color, rich salmon, shaded pink. Each, 15c.

Columbia. (No. 3.) Bright vermilion; center and tip of each floret pure white; a most attractive flower; stems long. Each, 25c.

Innovation. (No. 2.) A fine, showy sort. Bright red shading to white at the tips; free bloomer. Each, 20c.

Decorative, Show and Fancy Dahlias

The following varieties are the best in their class. One bulb each, entire collection of 9 sorts, only \$1.75.
 A. D. Livoni. A beautiful clear pink; of perfect quilled form; free bloomer. Each, 15c.

Navajo. (No. 4.) For richness of color this new decorative Dahlia has no equal. Its bold rich flowers are a most intense velvety red, with violet shading. Each, 40c.

Nymphaea. (Decorative.) A clear distinct light shrimp pink, shading lighter to the center. Grown extensively for cut flowers. Each, 20c.

Opal Queen. A new decorative variety, color the same and as difficult to describe as the opal itself. A pleasing and rare color. Each, 25c.

Pink Dandy. (Quilled.) In color it is a purer pink than A. D. Livoni. Each, 20c.

Napoleon. (Fancy.) Rich golden yellow heavily striped and blotched with crimson; a fine bold flower. Each, 35c.

Mrs. Winters. (No. 4.) Of fine, open, showy form; profuse bloomer and the best pure white of its class; excellent for cutting. Each, 20c.

Sylvia. (No. 4.) Decorative. A profitable commercial pink; fine form; of great substance; profuse bloomer; good stems. Each, 15c.

White Perfection. One of the best white show varieties to date, good flowers, strong stems and free bloomer. Each, 25c.

Mixed Dahlia Roots

This mixture contains all classes and many choice varieties. Good value and excellent for planting out for cut flowers.

Price: 15c. each; 2 for 25c.; \$1.25 dozen, postpaid. By express at purchaser's expense, \$1.00 dozen.

Leona, Ore., November 27, 1908.
 Portland Seed Company, Portland, Ore.
 Gentlemen: Received the bulbs in fine condition. They are certainly as fine a lot of bulbs as one could wish. Many thanks for your care in selection. Very truly yours,
LEONA MILLS LUMBER CO.

Newport, Ore., November 23, 1908.
 Portland Seed Company.
 Gentlemen: I received bulbs, as per order, which I am very much pleased with. They are the nicest bulbs I ever received from any other house. Accept thanks for extras.
T. H. HALLECK.

IRIS

Magnificent plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display, either in clumps or borders. They do best in rich, moist soils. Plant in the fall or early spring.

GERMAN IRIS (Iris Germanica).

Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, and are remarkably rich and beautiful in color and graceful in form; fragrant and fine for cutting.

Named sorts Each, 10c.; doz., \$1.00; 100, \$6.00.
 Mixed varieties. Each, 8c.; doz., 85c.; 100, \$5.00.

JAPAN IRIS (Kaempferi).

The Japanese Iris is quite distinct from all others and never fails to excite the admiration of all who see it. It is becoming more popular each year. The enormous flowers display a marvelous blending of rich and rare shades of violet, blue, crimson, white and yellow. It would take pages to describe the beauty of the following named kinds. We merely give general color effect; first color given predominating. All are double unless otherwise marked.

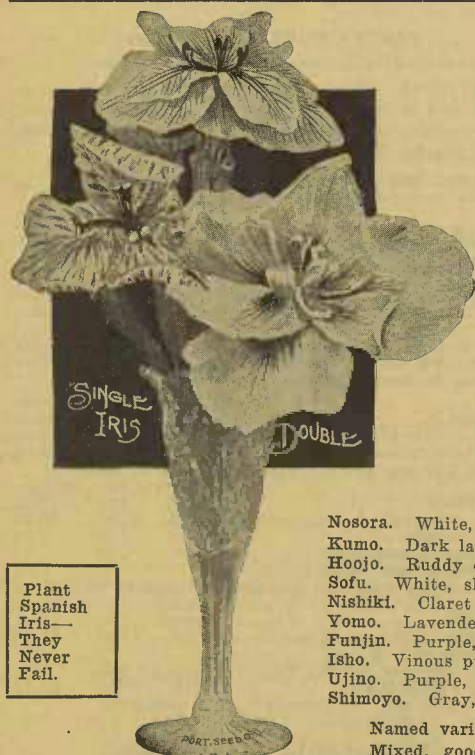
- Nosora. White, shaded and marked sky blue, yellow and lavender.
- Kumo. Dark lavender, shaded and marked yellow, white, lilac; single.
- Hoojo. Ruddy crimson, shaded and marked white and purple.
- Sofu. White, shaded and marked violet and sky blue.
- Nishiki. Claret red, shaded and marked white and orange.
- Yomo. Lavender, shaded and marked blue, yellow and red lavender.
- Funjin. Purple, shaded and marked navy blue and orange.
- Isho. Vinous purple, shaded and marked gray, crimson and violet.
- Ujino. Purple, shaded and marked orange, claret, gray; single.
- Shimoyo. Gray, shaded and marked lavender, yellow, white; single.

Named varieties as above, strong clumps. Each, 20c.; doz., \$2.00.
 Mixed, good assortment. Each, 15c. doz., \$1.50.

SPANISH IRIS (Iris Hispanica).

One of the most satisfactory varieties of Iris to grow. The flowers are of great beauty, having many different blendings of colors, and if cut when in bud will last a long time in water. See our bulb catalog for more information.

Named sorts (new sorts) Each, 5c.; doz., 40c.
 Mixed varieties (good assortments) Each, 3c.; doz., 25c.



Plant Spanish Iris— They Never Fail.

ENGLISH IRIS (Angelica).

Beautiful, attractive and worthy of a place in every garden. This variety has large flowers of purple, violet, lilac, rose, pink, and white shades, and a few spotted. Set the bulbs in clumps three inches apart each way and three inches deep. See our bulb catalog for more information.

Mixed sorts Each, 5c.; doz., 50c.
 Mixed varieties Each, 5c.; doz., 40c.

PLANT IRIS

Get a collection of Iris. They are simply beautiful and grow so easily that anyone can be successful with them.

PAEONIES (Double Herbaceous)

The development and increase in popularity of the Paeony has been unparalleled among flowers. These noble plants are exceedingly effective; the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration. The flowers are large, massive, perfect in outline and most beautiful.

As cutting material the Herbaceous Paeony can scarcely be surpassed. They are perfectly hardy and increase in size and beauty each year.

Festiva Maxima—A rare variety of great beauty. Exceedingly showy and of large size; flowers perfectly double; pure white, tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation. Price, 75c.

Golden Harvest—Nearest approach to yellow; shows some pink while in bud, but as soon as it opens, turns to a creamy yellow, with a few red tips; a fine, free bloomer and a grand flower; mid-season. Price, 60c.

Queen Victoria—A full, strong, white with yellowish-tinted center; a very popular variety. Price, 30c.

Jubilee—White, edged with crimson; semi-double; very showy and pretty. Price, 50c.

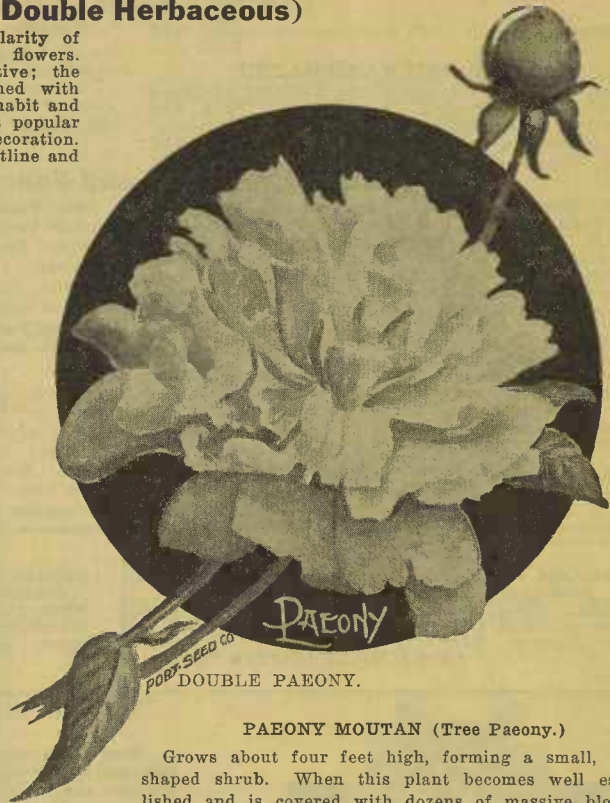
L'Esperance—Blooms just after the Officialis varieties; tall, robust grower; good bloomer; flowers fragrant and of good pink color. Price, 30c.

Fragrance—Late; color, deep rose; fragrant and a very prolific bloomer; tall grower. Price, 30c.

Officialis Rubra—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. Price, 30c.

Officialis Alba—Blooms with Officialis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. Price, 40c.

Floral Beauty—Light pink, yellow center; large, full and double. A very handsome and desirable sort. Price, 30c.



PAEONY MOUTAN (Tree Paeony.)

Grows about four feet high, forming a small, tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms, it presents a magnificent display. We have Crimson, Pink, Scarlet, Rose and Variegated.

Strong, Imported Roots, from January to May, by express at buyer's expense (too heavy to mail.) Each, 75c.

Large, nursery-grown plants, 1½ to 2 feet, \$1.50.

Vegetable Plants

We grow large quantities of vegetable plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts, but reserve the right to substitute varieties if necessary. No plants sent C. O. D. Write for prices in large quantities.

	Postpaid.	By Express.
Celery.	Dozen. 100. 1000.	
Leading kinds, transplanted...	\$0.25	\$0.75 \$6.00
Not transplanted .....		.50 5.00

	Postpaid.	By Express.
Cabbage.	Dozen. 100. 1000.	
Early or late kinds, transplanted...	\$0.20	\$0.75 \$6.00
Not transplanted .....		.50 4.00



TRANSPLANTED CABBAGE PLANTS.
ASPARAGUS.

Add 25c. per 100 for Cabbage Plants by mail.

	Postpaid.	By Express.
Cauliflower.	Dozen. 100. 1000.	
Early Snowball, transplanted...	\$0.30	\$1.25 \$8.00
Not transplanted		1.00 7.00
Late kinds, transplanted.....	.30	1.00 7.00
Late kinds, not transplanted...		.75 6.00

Add 25c. per 100 for Cauliflower Plants by mail.

	Postpaid.	By Express.
Tomatoes.	Dozen. 100. 1000.	
Leading kinds, transplanted...	\$0.30	\$1.00 \$7.00
Not transplanted .....		.75 6.00

Add 40c. per 100 for Tomato Plants by mail.

Sweet Potato Plants	\$0.30	\$1.00 \$7.00
Add 25c. per 100 for above plants by mail.		
Chives. (Schnittlauch), per bunch .....		.25c.

Vegetable Roots, Etc.

If wanted in larger quantities, write for special prices.

HOP VINES.
Strong roots. Postpaid, each, 5c.; doz., 40c.
By express, doz., 25c.; 100, \$1.50.

RHUBARB ROOTS.
Varieties—Mammoth, Giant and Linnaeus.
One-year-old roots. Postpaid, each, 8c.; doz., 75c.
By express or freight, doz., 50c.; 100, \$3.00.

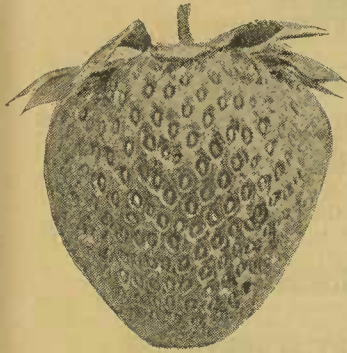
HORSE RADISH ROOTS.
Postpaid

Two-year-old roots. . Postpaid, each, 15c.; doz., \$1.50.
By express or freight, doz., 85c.; 100, \$6.50.

STRAWBERRY PLANTS

Choice Plants

Plants grown in our carefully prepared beds are far superior, will come into bearing earlier, and will produce finer and better fruit and more of it. Order Portland Seed Company's selected Strawberry Plants, packed in special ventilated crates. We are sure they will please you. Our Fruit Tree Catalog tells more.



"GOLD DOLLAR."

PRICE LIST OF PLANTS— By mail, postpaid. By express or freight packed in ventilated crates.

	Dozen.	100.	100.	1000.
Admiral Dewey	\$0.40	\$1.50	\$1.25	\$ 6.00
Clark's Seedling .....	.25	1.00	.60	4.50
Gandy .....	.30	1.25	.70	5.00
Gold Dollar .....	.50	2.25	1.75	10.00
Magoon .....	.25	1.00	.60	4.50
Marshall .....	.35	1.25	.75	6.00
New Oregon—Improved .....	.40	1.75	1.25	7.00
Wilson .....	.25	1.00	.60	4.50

Not less than 500 plants of a kind at 1000 rate—Special prices on 3000 or more.

NEW EXTRA EARLY STRAWBERRY.

This grand new sort is so far ahead of any other early variety, and it is so much superior in every way that it is in a class by itself and we offer it as a new variety of special merit.

"Gold Dollar"

Gold Dollar Has Come To Stay.

The "Gold Dollar" is two weeks earlier than the Excelsior, or any other early berry on the market. Fruit, good medium size, and dark red all through; rather tart; fine flavor. Foliage, heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season. A very heavy cropper for so early a berry. Keeps up in size throughout the season.

By the time the last of the "Gold Dollars" are gone, the Oregon, Wilson, Magoon and Clarks will be ripe in order as named.

One grower reports that he cleared \$2,500 on seven acres of these berries.

Last year it was impossible to supply the demand for this wonderful new berry. This season we have made special preparation to fill all orders, as we want everyone to have at least a few plants of this grand early berry.

Clipping from Oregon Agriculturist.

From what we have seen of the new Gold Dollar Strawberry, we believe it will prove as popular as an early variety for the home market, as the Magoon has been for the late market. It is as early as the Excelsior, a larger berry, of better quality, and yields more. Those who want to get the benefit of the high prices paid for first-early Strawberries should at least give this new variety a trial. We may add that the "Gold Dollar" makes the best appearance of any of the early varieties of Strawberries which are seen in Portland.—Editor.

NEW OREGON (Improved).

Introduced by Portland Seed Company in 1903. Do not confound this new sort with the old, run-out Oregon Everbearing. This is the finest and most satisfactory Strawberry ever introduced; 15 berries fill a quart box; 60 berries fill a five-pound grape basket. You never saw its equal. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be equaled. The "Oregon" ripens very early and continues in bearing until late in the season, a good second crop coming on about October. Very prolific and a heavy cropper.

Admiral Dewey. This grand new Oregon berry is large, very firm and a good shipper; unexcelled for canning; color, beautiful dark red, extending to the center; shape, conical; of excellent flavor; a very early, abundant and continuous bearer.

Clark's Seeding. The berry that has made Hood River famous; best shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

Gandy. A profitable market sort. Its season is late to very late, being in its prime when most other sorts are gone; fruit, large, handsome and uniform, and makes an excellent showing; of excellent quality and a good shipper. The price always advances the latter part of the season, when the Gandy is in perfection.

Marshall. One of the best all-round Strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness, it is superior to the popular Magoon.

Magoon. Berry large, fine and excellent; sub-acid flavor; bears heavily and throughout the season.

Wilson. A heavy bearer of fine, moderate-sized berries; sharp acid flavor; leading sort for canning.

Portland Seed Co.

Portland, Ore., Oct. 7th, 1908.

Gentlemen: I bought four dozen of your New Oregon strawberry plants last fall and picked 68 boxes of choice berries from them the past spring and early summer, and 15 more this fall. They are truly a wonderful berry.

H. E. COWGILL.

FRUIT TREES AND BUSHES

Our large 52-page Nursery Catalog contains a complete list with full description and illustrations of Fruit, Shade and Ornamental Trees, Shrubs, Climbers, etc. We would be pleased to mail a copy of it to anyone wishing it. We simply give below and on the following page a condensed price list. Order any varieties you want at following prices. We can supply all reliable and standard sorts.

APPLES.

	Each.	Per 10.
2 years	\$0.25	\$2.00
1 year, 4 to 6 feet .....	.20	1.75
Select, 2 to 3 years .....	.35	....

APRICOTS.

2 years .....	.35	3.00
1 year, 4 to 6 feet .....	.30	2.75
Select, 2 years .....	.40	....

CHERRIES.

2 years .....	.50	4.50
1 year, 4 to 6 feet .....	.45	4.00
Select, 2 years .....	.75	....

CRAB APPLES.

	Each.	Per 10.
Nice stocky trees	\$0.35	\$3.00

PLUMS.

2 years .....	.30	2.50
1 year, 4 to 6 feet .....	.25	2.00
Select, 2 to 3 years .....	.35	....

PRUNES.

2 years .....	.30	2.50
1 year, 4 to 6 feet .....	.25	2.00
Select, 2 to 3 years .....	.35	....



FRUIT TREES AND BUSHES—Continued

PEARS.

	Each.	Per 10.
2 year old	\$0.50	\$4.50
1 year old, 4 to 6 feet	.40	3.50
Select, 2 to 3-year-old stock	.50	....

PEACHES.

2 year old	.40	3.50
1 year old, 4 to 6 feet	.35	3.00
Select, 2 year old	.50	....

QUINCE.

2 year old	.40	3.50
1 year old	.35	3.00
Select, 2 year old	.50	....

CURRENTS.

2 year old	.15	1.25
1 year old	.10	.75
Extra large, selected bushes	.25	....

RASPBERRIES.

	Each.	Per 10.	Per 100.
Best Red Sorts, 2 year	\$0.08	\$0.75	\$ 6.00

BLACK CAP Raspberries.

2 year old	.08	.75	6.00
1 year old (January 1)	.06	.50	4.00

Low prices by the thousand.

GOOSEBERRIES.

2 year old	.12	1.00	8.00
1 year old	.10	.80	6.00

GRAPE.

2 year old	.20	1.50	10.00
1 year old	.12	1.00	8.00
Extra large and strong roots	.25	....	....

BLACKBERRIES.

Standard sorts	.08	.60	5.00
Oregon Evergreen	.10	.90	8.00

BLACKBERRY ELDERADO.

A valuable new variety; fruit large, jet black, melting, sweet, and rich; hardy and very productive, fine for Oregon.
 Each, 10c.; 10, 90c.; 100, \$8.00
 Postpaid, each, 15c.; 10, \$1.25

HIMALAYA GIANT.

A new grand early variety. An exceedingly strong, rampant grower of a trailing nature. A heavy cropper. The berries are large, juicy, coreless, sweet, and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.
 Each, 25c.; 3 for 60c.; doz., \$2.00

NEW MAMMOTH.

This wonderful new blackberry is a rampant grower, of trailing habit; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries.

Prices: Two years old, each, 25c.; 10, postpaid, \$2.00
 10, by express or freight, \$1.75; 100, \$15.00
 One year old (tips), each, 15c.; 10, postpaid, \$1.25
 by express or freight, 10, \$1.00; 100, \$8.00

BURBANK'S PHENOMENAL.

It is a cross between the "Improved California Dewberry" and the "Cuthbert Raspberry." Takes its color and flavor from the latter, and size and shape from the former. Mr. Burbank describes it as "larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry and fine as a fresh table fruit. Easily grown, stands shipping well, and hardy everywhere.

Some people have the mistaken idea that the Logan and Phenomenal are practically the same berry, but they are not. The latter will certainly be the more popular as it becomes better known.

Prices: Two-year old, 25c. each; \$2.00 per 10, postpaid; by express or freight, \$1.75 per 10; \$15.00 per 100. One-year old (tips), each, 15c.; \$1.25 per 10, postpaid; by express or freight, \$1.00 per 10; \$7.50 per 100.

Logan Berry

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. An exceedingly strong grower and an enormous bearer.

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed, and for jelly or jam is without an equal.

Prices: Two-year-old, 20c. each, postpaid; by express or freight, \$1.50 per 10; \$12.50 per 100.

One-year-old (tips), 15c. each; per 10, \$1.25, postpaid; by express or freight, \$1.00 per 10; \$7.50 per 100. Low prices by the thousand.

Dewberry Lucretia

A trailing variety of the blackberry, ripening between the raspberry and the blackberry. Fruit, large, handsome, sweet and luscious.

Price: Each, 15c.; per 10, \$1.25, postpaid. By express or freight, \$1.00 per 10; \$7.50 per 100.

The Improved Superlative Raspberry

A New Berry of Great Merit.

The color is a velvet red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardness, immense size, handsome, uniform shape and rich, luscious flavor makes the "Superlative" peerless among raspberries, and from the shippers' standpoint a most desirable berry, for it is firm, disease-resisting and nearly a week earlier than the Cuthbert in ripening.

J. T. Littooy says of this berry: "In all my experience in the culture of the raspberry, and testing every new variety I hear of, I have never had a variety equal to the 'Superlative,' and have discarded all others for this."
 Price: Each, 20c.; doz., \$2.00; Freight or Express, 100, \$15.00

FREE On request, our 32-page book on Strawberry Culture. Complete and up-to-date. Things you should know about STRAWBERRIES.



The Latest The Greatest

NEW "SUPERLATIVE."



Mammoth Blackberry, Natural Size.

HOSE

For Spray Pumps and Gardens

This season we are offering our customers a very complete and reliable line of spray and garden hose. We buy in very large quantities direct from the manufacturers, which places us in a position to quote the following very low prices. Most of the brands we offer are manufactured especially for us, and can be obtained nowhere else. Buy hose that is guaranteed.

NOTE—All our hose is furnished in 50-foot lengths, and comes coupled ready for use. We will cut any of these hose in 25-foot lengths at an additional cost of 25c. for couplings. We will cut 1/2-inch Pomona and Monarch Spray Hose in any length desired, at an extra cost of 25c. for couplings in less than 50-foot lengths.

Cotton Garden Hose. There is a constantly growing demand for a light weight, yet strong, durable hose, which will stand good pressure, but still is not heavy to handle. This demand has been fully met by our new process rubber lined cotton hose. The rubber lining is of the best quality. The hose is made in 50-foot lengths and is already coupled.

Best Cotton, Double Diamond, Very Durable.
Per foot, 1/2-inch, 10c.; 3/4-inch, 12 1/2c.

Monarch Spray Hose. The Monarch, a new spray hose we have added this year, is even a better grade than our well-known "Pomona." It is absolutely the best hose we can buy; the rubber is of exceptionally good quality and is very heavy; also the cotton ducking is thick and strong, and we do not hesitate to recommend it to the orchardmen, who must have a very high grade and strong spray hose.

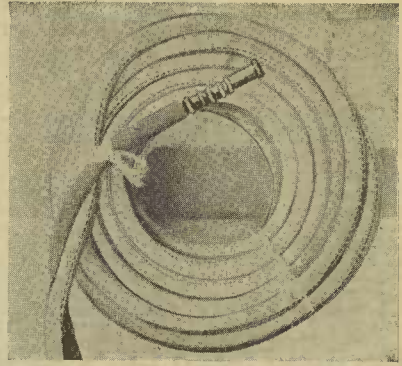
Monarch Special Spray, 1/2-inch (only), per ft., 18c.

Pomona Spray Hose. Our well-known Pomona is the best hose which can be bought at a moderate price. It has stood the test of time and hard usage, and has always proved good.

Price, 1/2-inch, per ft., 13 1/2c.; 3/4-inch, per ft., 15c.

Ajax Spray Hose. 3/8-inch only. **Price, per foot, 10c.**
"Hood" Garden Hose. This is an excellent grade of garden hose, and is fully guaranteed. It is made with four heavy plies of canvas and with good, thick inside tubing. We have no hesitancy in recommending this for ordinary garden use.

Price, 1/2-inch, per foot, 10c.; 3/4-inch, 12 1/2c.



Electric Garden Hose. A new process, corrugated rubber hose, that will not kink or break. Especially recommended for florists and gardeners who use hose continuously.

Price, per foot, 1/2-inch, 17c.; 3/4-inch, 20c.

St. Helens Garden Hose. This is a good grade of garden hose of moderate price. Is guaranteed, and where a hose of medium price is wanted it will give excellent satisfaction.

Price, 1/2-inch, per foot, 9c.; 3/4-inch, 11c.

Competition Garden Hose. This is the cheapest hose we have. It is not guaranteed, but in some cases where a hose is required only for a short time it will give excellent service.

Price, 1/2-inch, per foot, 5 1/2c.; 3/4-inch, 6 1/4c.

Suction Hose. This is an excellent grade of suction hose, and is what we furnish with our regular pump outfit.

Price, per ft., 3/4-in., 27 1/2c.; 1-in., 30c.; 1 1/4-in., 35c.

Glendale, Calif., Nov. 26, 1908.
Portland Seed Company.
Dear Sirs: Plants and Bulbs received today all O. K. Everything satisfactory, and thanks for extra Narcissus. Yours truly,
H. MURRAY.

Camas, Wash., Dec. 18, 1907.
Portland Seed Company, Portland, Ore.
Dear Sirs: I received the Seed and Trees on the 16th in good condition and I must say I am more than pleased with them. The Trees were better than I expected, and the Seeds are fine. For the extra premium you sent me, I thank you very much. I am well pleased and will favor you with another order in near future. Yours truly,
JOHN BRUNNER.

Jacksonville, Ore., October 7, 1908.
Portland Seed Company, Portland, Ore.
Dear Sirs: My plants I received from you are growing fine. Do not think I have lost a plant. Yours truly,
R. H. ROBINSON.

Milwaukee, Ore., Oct., 20, 1908.
Portland Seed Store, Portland, Ore.
Gentlemen: The Trees I got of you last spring are all growing fine, and I expected to send you another order this fall, but I won't be able to get the ground ready until spring, then I will send you another order. Very respectfully,
R. E. HANNA, Box 114.

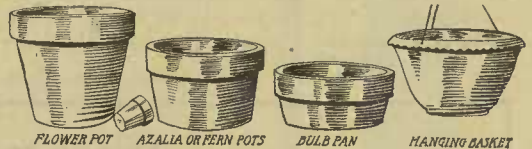
FLOWER POTS Fern and Bulb Pans, Saucers

We are agents for the Garden City Red Clay Pots and buy in carload lots. The wholesale trade, florists and nurserymen are requested to send for special prices, stating quantity wanted. These are by far the finest pots offered on this coast.

FLOWER POTS.

(See cut.)

Size.	Each.	Dozen.	Saucers, Each.
2 -in.	\$.02	\$.20	.....
2 1/2 -in.	.02 1/2	.25	.....
3 -in.	.03	.30	.....
3 1/2 -in.	.04	.35	.....
4 -in.	.04	.40	\$.02 1/2
5 -in.	.06	.60	.04
6 -in.	.10	.90	.05
7 -in.	.12	1.20	.07 1/2
8 -in.	.16	1.75	.10
9 -in.	.25	2.50	.15
10 -in.	.40	.....	.20
12 -in.	.60	.....	.35
14 -in.	1.50	.....	1.00
16 -in.	2.25	.....	1.25



HANGING BASKETS.

(See cut.)

These are well made, having scalloped edge and fancy designs on the lower outside. Better than wire baskets, as plants do not dry out so quickly.
8 inch.....Each, 30c.; dozen, \$3.40
10 inch.....Each, 40c.; dozen, \$4.00
12 inch.....Each, 60c.; dozen, \$7.00

FREE

On request, our 32-page book on Strawberry Culture. Complete and up-to-date. Things you should know about STRAWBERRIES.

FREE

SPRAYS, SPRAY MATERIAL AND WASHES For Destroying Insects, Scale, Etc.

Liquid sprays cannot be mailed. Solid sprays 16c. lb. extra for postage.

Scalecide

The Best Commercial Spray for San Jose Scale and all Soft-Bodied, Sucking Insects.

Also contains a powerful fungicide which will control all fungus diseases that are controllable in the dormant season.

This assertion is not based on a single test on ten or a dozen trees, but on actual work in great commercial orchards, where thousands of gallons of spray were used. "Scalecide" is a petroleum oil that mixes at once with cold water in any proportion, and stays mixed. It is not necessary to use an extra tank or barrel, and no hot water should be used. Can be prepared in an instant at the spring or creek nearest to the orchard by simply adding one gallon of "Scalecide" for every fifteen or twenty gallons of water, right into your spray tank. No crude oil is used in the manufacture of "Scalecide," all the light and heavy oils that might prove injurious being removed—but we retain as much as possible all the Soluble Sulphur which has insecticidal value. It is an absolutely unflinching remedy for San Jose scale. Attested to by thousands who have used it. Price, per gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 50-gal. bbl., \$28.50. Send for free sample and printed matter concerning "Scalecide."

Portland Seed Co.'s APHISCIDE Best Summer Spray for Roses

The cleanest, surest, safest spray for Aphid, Thrip or any insect life on plants of any kind. You can use it on your house plants. It is odorless, colorless, and will not stain the most delicate fabric nor injure your plants in any way. Is instantly effective. Price, quart, 25c.; gallon, 60c.

Standard Lime and Sulphur Solution

For San Jose Scale.

The "Lime and Sulphur Solution" for San Jose Scale is endorsed by Experiment Stations and State Horticultural Societies of all the fruit growing states. It is recognized and recommended as the best known preparation for exterminating San Jose Scale on all deciduous trees.

Our Lime and Sulphur Solution is made of the purest and best quality of Sublimed Sulphur and of Lime that tests 99.98 per cent pure. It is a clear, deep cherry colored liquid, free from sediment. It is a beautiful product, is very reasonable in price, and its work is perfect. It is all ready to mix just as you get it. Merely add 11 gallons of water with each gallon of the Lime and Sulphur Solution. There is no sediment to clog the sprayers. No boiling is to be done, which saves fuel, time, labor and annoyance. It is always alike and uniform in strength and results. Price, 1 gal., 60c.; 5 gals., \$1.90; 10 gals., \$3.60; 50-gal. bbl., \$10.00.

Arsenate of Lead. The best and latest insecticide. It will not burn the foliage, and stays on the trees longer than any other spray made.

2-lb. can, 50c.; 5-lb. can, \$1.00;
10 lbs., \$1.80; 25 lbs., \$4.25; 100-lb. keg, \$15.00.

Bordeaux Mixture. For Fungi; in liquid form. Dilute with 49 parts water.
1 qt., 60c.; 1 gal., \$1.50.

Blue Label Slug Destroyer. This is the first powder of its kind that we ever found to positively kill slugs and keep them away from young plants. Full directions on each package. Put up in 25c., 50c. and \$1.00 packages.

25c. pkgs. will be sent by mail, postpaid, for 35c.

Bluestone. (Vitriol.)

Lb., 15c.; per 100 lbs., market price.

Buhach. Per oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.

Bug Death. A non-poisonous insect killing powder that is in high favor among gardeners for cabbage, tomato and cucumber bugs, etc. Use 12 pounds per acre.
Lb., 15c.; 5 lbs., 65c.

Fir Tree Oil Soap. For killing green aphid.

½-lb. can, 25c.; by mail, 35c.; 2 lbs., 75c.

Hammond's Slug Shot. For destroying slugs, cabbage and turnip flea, currant worms, etc.

Per lb., postpaid, 35c.; 5-lb. pkg., 50c.

Hammond's Grape Dust. To prevent mildew on roses, grapes and gooseberries.

Per lb., 15c.; postpaid, 35c.; 5-lb. pkg., 50c.

We will gladly mail you our Spray Calendar.
It's small, but valuable.

Hellebore. ¼ lb., 15c.; ½ lb., 20c.; 1 lb., 35c.

Kerosene Emulsion. An excellent spray for woolly aphid and clover mite.

Qt., 60c.; 2 qts., \$1.00; 4 qts., \$1.50.

Nico-Fume. The best tobacco paper insecticide for fumigating greenhouses. Per can of 24 sheets, 75c.

Nicoticide. The best fumigator and spray for greenhouse work. Kills aphid, red spider, mealy bug, thrip, etc. Pint can, \$2.50; qt., \$4.50; gal., \$15.00.

Rose Leaf. For destroying all insects and scale on plants. Pt., 30c.; qt., 50c.

Quassia Chips. Generally used with Whale Oil Soap for lice, etc. 1 lb., 10c.; postpaid, 30c.

Note—To make standard hop spray, use 1 lb. each Quassia Chips and Whale Oil Soap with 8 gallons water.

Sulphur, Powder. Lb., 5c.; 100 lbs., market price.

Tobacco Stems. Lb., 5c.; per 100 lbs., \$2.50.

Tobacco Dust.

Lb., 10c.; postpaid, 30c.; 10 lbs., 60c.; 100 lbs., \$5.50.

Whale Oil Soap. For aphid, plant lice, etc.

1 lb., 10c.; postpaid, 30c.; 100 lbs., \$5.00.

FINE TREES

Ferndale, Washington, March 22, 1908.
Portland Seed Company, Portland, Oregon.

Dear Sirs: Mr. Brown, the inspector, says he never saw stock reach destination in better condition. Yours truly,

W. W. BRANNIN.

Jacksonville, Ore., Dec., 1, 1908.
Portland Seed Co., Portland, Ore.

Gentlemen: I received my Trees and Plants in fine condition, and am greatly pleased with same. I am, respectfully,

MRS. WM. HEELEY.

Things to Remember

No matter how good the trees were you planted, no matter what spray you use or how thoroughly you do the work, no matter how good the care you take of the young orchard, all is wasted unless the ground contains the plant foods required to bring the young trees to a healthy, bearing condition and sustain them in full bearing. "To be sure how" send for our new Fertilizer Booklet, the big little book that explains things. Should be in every fruit grower's home. Write today, its yours for the asking.

"THE BEST IS ALWAYS THE CHEAPEST"—BUY A GOULD SPRAY PUMP.

Spray Pumps

Every grower of fruit, berries, or flowers should have a good spray pump of some kind, one suited to the work that is to be done. If you want to get the best results, you must spray, and spray often. Remember, a person derives the same satisfaction from using a good spray pump that he does from using a good article of any other kind; so when you buy, buy one of the following up-to-date and reliable outfits:

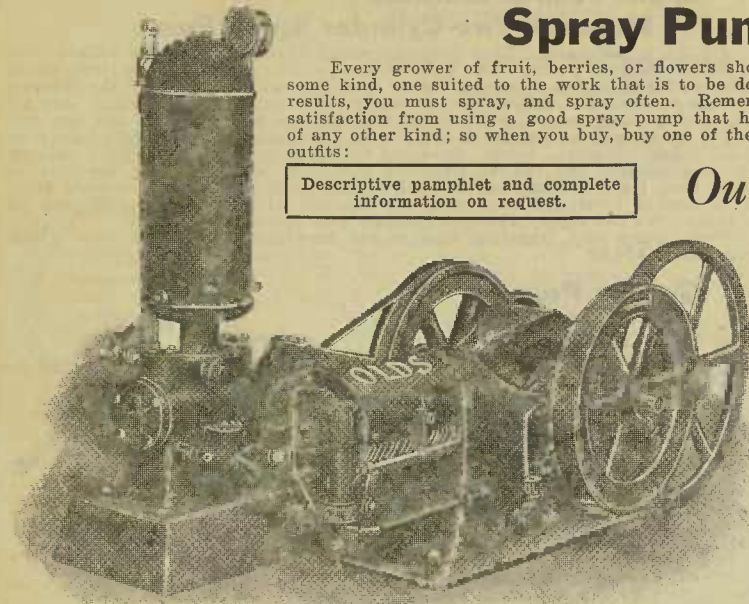
Descriptive pamphlet and complete information on request.

Our Power Outfit

SPECIAL.

We assemble outfits in any manner desired by customer and will suggest the right attachments for special purposes.

Engine can be detached from Pump in 5 minutes—has 6 inch drive pulley, which adapts it to every need.



VICE-ADMIRAL SPRAY PUMP ATTACHED TO OUR GAS ENGINE.

Recognizing the great demand for a spraying outfit that is right and will meet the requirements of the farmer and orchardist, we have for some time past had practical men in the field thoroughly investigating the conditions under which these engines must run and the equipment which would be best for this purpose.

As a result of this work, we have gone at the question from the user's standpoint. We have secured a line of apparatus which we think, on careful examination, you will agree is the best thing for the purpose to be found on the American market today.

The Portland Seed Co.'s Spray Outfit is composed of an air-cooled "Olds" Horizontal, Four-Cycle Gasoline Engine, directly connected by means of gears to a Gould's Vice-Admiral Spray Pump. This engine, instead of having the old style, heavy, cumbersome, water-cooled cylinder, is equipped with an up-to-date air-cooled cylinder. The cylinder is cooled by means of a fan driven by a belt from the fly-wheel. This fan drives a strong air-blast around the cylinder and through the numerous flanges which are cast on the outside of the cylinder. The air is compelled to circulate round the cylinder by means of a sheet metal jacket surrounding nearly two-thirds of the entire cylinder.

Outfit complete, comprising 2½ to 3 H. P. Engine, connected to Gould's Vice-Admiral Pump, mounted on base, with relief valve and pressure gauge, two 25 feet. leads of best 7-ply spray hose; two 8 ft. Bamboo Extension Rods with Nozzle and Cutoff, Weight, 700 pounds	\$205.00
Same outfit, with 4 leads, best spray hose, 4 extension rods and nozzles	218.00
Engine only, with gearing	160.00
Pump only	30.00
7-ply, best spray hose, per ft. ....	.18
Extension rods, 8 ft. complete, with cut off.	1.50
Spray Nozzles .....	.75c. to 2.00

Note—Can furnish any special outfit desired, one or more leads of hose, etc. State your wants. Prices on request.

Gould's Admiral Double Acting Sprayer

For Large Orchards, Parks, Groves, Etc.—Very Powerful.

The "Admiral" is double acting and produces a steady stream at the nozzle; is built for continuous hard work and high pressure. Especially designed for large orchards, and will meet every requirement. The brass cylinder lining is of heavy seamless tubing with a cast bronze cylinder head, and can be easily removed, as shown in the engraving. This is an important feature, as the gritty nature of many of the spray mixtures has a tendency to cut the cylinder lining, and when it is badly worn it can be replaced at small cost. The valves are all brass, and each one in a separate valve box. They are easily reached by removing the bronze valve box corners. The brass piston rod is outside guided, making a perfectly straight thrust through the stuffing box, which is outside packed.

The removable malleable iron lever is long and powerful, and with the large air chamber a high pressure can be easily maintained. Suction can be taken from either side of the pump, and there are two discharge openings fitted for ½-inch hose. When ordered without hose or nozzle, both discharges have half couplings for ½-inch hose and a brass strainer.

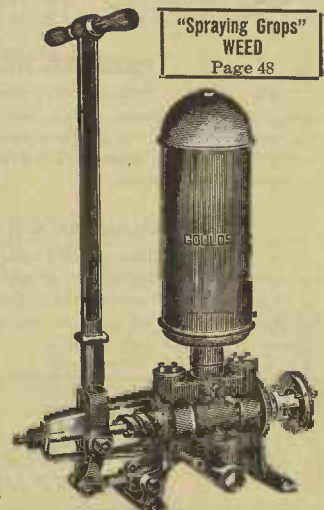
This Sprayer is of sufficient capacity to supply, if necessary, four leads of hose or two leads, each with two, three or four nozzles, and will be found fully as serviceable as a power sprayer for orchards not large enough to warrant the purchase of a power outfit.

This same pump fitted with a pitman in place of lever for connection to gasoline engine.

Outfit A. Pump only, with strainer and suction hose coupling.....	\$30.00
Outfit B. Pump with 8 feet suction hose and strainer	\$32.75
Outfit C. Pump with 8 feet suction hose, two 25-foot leads best ½-inch hose, two 8-foot bamboo extensions, with Globe valves and nozzles.....	\$40.00

Admiral Pump with 3-inch cylinder furnished on any of above outfits for \$5.00 extra.

For pressure Gauge add

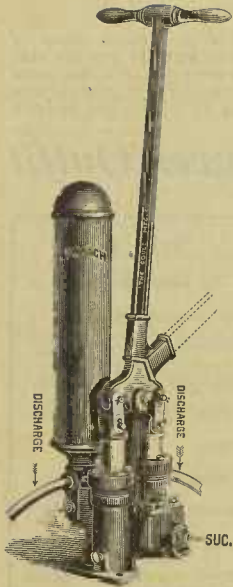


ADMIRAL.

"Spraying Groves"
WEED
Page 48

PORTLAND SEED COMPANY'S
 SPRAY PUMPS—Continued

Monarch Two-Cylinder Spray Pump



MONARCH.
 Fig. 1318.

Fig. 1318. Monarch. This pump has many advantages, and we believe it is the best of the large pumps. The main advantages are: First, the long lever, which can be shifted to pull or push, or to lift or drop, and can be changed by the operator any time he desires a relief; second, pump stands outside of the barrel and all parts can be easily looked after; third, cylinders are perpendicular, and any grit will not lie against the plunger to wear it or the packing out, as is the case with the horizontal cylinders; fourth, there are no valves in the plungers; the packing is on the outside, and can be tightened any time, without taking anything to pieces; fifth, the four brass valves (each one by itself and under a separate cap), can be reached by merely unscrewing the cap, and without disturbing the rest of the pump. We can supply any outfit desired with this pump.

Price, pump only, including strainer and hose connection and 6 feet 3/4-inch suction hose, \$26.00.

Gould's Pomona

Our Leading Barrel Pump.

Fig. 1100. "Pomona" Spray Pump has won for itself an enviable reputation. We unhesitatingly offer it as the best orchard spray pump for mounting in a barrel. It has great power and capacity. Briefly stated, other points of superiority are: No leather packings, consequently no hardened and useless valves. All working parts bronze, including plunger, gland, valves, valve seats, etc. Plunger is outside packed. Valves are easily accessible. Air chamber is very large and of steel, free from imperfections of cast iron. Lever long and powerful, with adjustable stroke, three, four or five inches. The agitator, as shown in the cut, is operated by the stroke of the handle, so whenever any liquid is pumped it is thoroughly agitated. Pump is held securely by small anchor located at bottom of barrel, and by adjustable clamp plate at the top. New plate admits insertion or withdrawal from barrel without removing the agitator.



POMONA.
 Fig. 1100.

- Outfit A. Pump only \$15.00
- Outfit B. Pump with 12 1/2 feet 1/2-inch best 5-ply spray hose, one Vermorel nozzle, one 8-foot bamboo extension, with cut off, all complete. \$18.25
- Outfit C. Same as Outfit B, except we furnish a good hardwood barrel and mount the outfit \$20.75
- Outfit D. This is our regular Pomona outfit, the best barrel pump outfit that can be bought. It consists of one No. 1100 pump with two 12 1/2-foot leads of best 5-ply spray hose, two Vermorel or Seneca nozzles, two 8-foot bamboo extensions, with cut off; all in working order and mounted in barrel \$25.00

Fruitall

Fig. 1188. "Fruitall" Spray Pump is made on the same general lines as our famous "Pomona." It is, however, made lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer are made of brass. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave. Not made for side of barrel.

- Outfit A. Pump only \$11.00
- Outfit B. Pump with 12 1/2 feet 5-ply spray hose and one Vermorel nozzle, all complete \$14.00

Note—Extra 5-ply hose at 13 1/2 c. per foot.

"The Fruit Garden"
 BARRY.
 Page 48.



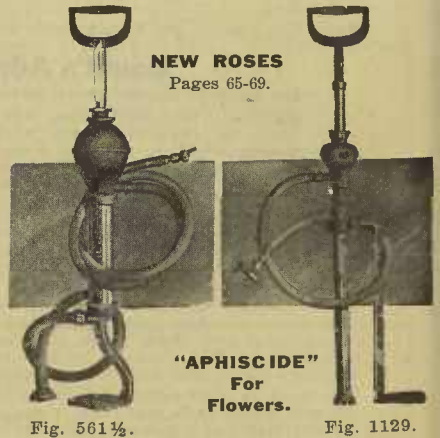
FRUITALL.
 Fig. 1188.

PREMIER BUCKET PUMP.

Fig. 561 1/2. Brass bucket pump, arranged with suction and discharge hose and spray nozzle, which will throw a solid stream or a fine spray. Pump has brass cylinder, plunger and rod, and is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc.
 Price, complete, \$5.75

BORDEAUX BUCKET PUMP.

Fig. 1129. Brass garden and spray pump; is especially designed for spraying in gardens and greenhouses. The pump is double action in effect; Seneca nozzle, ball valves; proof against the action of acids and oils. Foot piece is malleable iron. Pump is set in pail or bucket, with foot rest outside.
 Price, complete, \$4.50



NEW ROSES
 Pages 65-69.

"APHISICIDE"
 For
 Flowers.

Fig. 561 1/2.

Fig. 1129.

IF IN DOUBT

OR THE QUESTION ARISES AS TO WHAT IS BEST FOR YOU IN THIS CATALOG, WRITE
 US. WE HAVE EXPERIENCED MEN PAID TO ADVISE YOU

"PRIDE OF MULTNOMAH"—OUR NEW POTATO (SEE PAGE 56). YOU MUST ORDER EARLY.

SPRAY PUMPS—Continued

Gould's Standard Sprayer

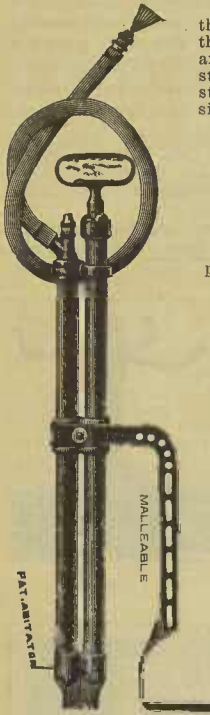
POWERFUL, LARGE CAPACITY, DURABLE.

The "Standard" Sprayer is made with a 2½-inch cylinder. The cylinder is brass-lined, the plunger brass-encased and the valves are brass, making all working parts proof against the spraying mixtures. The plunger is easily repacked without taking the sprayer to pieces; and is unusually large, known as a "differential" plunger, which produces a continuous stream of liquid from the nozzle, similar to the action of a double-acting pump. The large standard provides an ample air chamber. The base is made so as to fit either the end or side of a barrel.

- Outfit A. Pump and Strainer only \$ 7.50
 - Outfit B. Pump with Agitator and Suction Pipe 9.00
 - Outfit C. Same as B, with 1 15-ft. lead of Hose and Nozzle 12.00
 - Outfit D. Same as C, with 2 15-ft. leads of Hohe and Nozzle 15.75
 - Outfit E. Same as D, with 2 Bamboo Extensions and Globe Valves 18.50
- We supply a barrel and mount Sprayer for \$2.50 extra.

PORTLAND SEED CO.'S BUCKET PUMP.

This little pump is very convenient for all sorts of small work. The best low-priced pump on the market. Price, \$2.75.



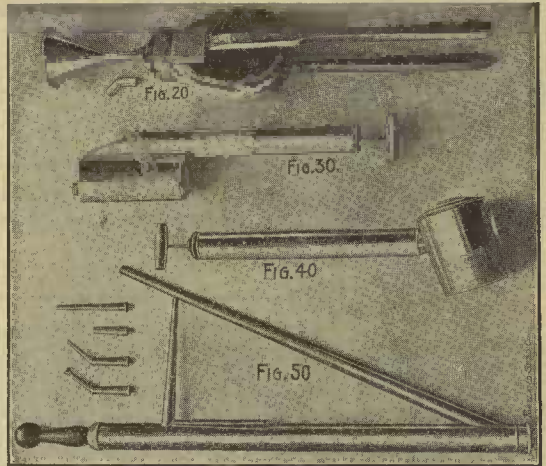
P. S. CO.'S BUCKET PUMP.

ASPINWALL SPRAYER.

Fig. 30. One of the most convenient and economical hand sprayers for applying liquid lice killers, sprays, etc. Nothing cheap but the price. Price, 65c.; charges paid, 90c.

SMITH'S PATENT FORCE PUMP.

Fig. 50. Just the thing for whitewashing your hen-house, washing windows, and other light work. Fine for sprinkling the garden; handy in case of fire. Tin; four nozzles. Price, \$1.00.



LIGHTNING SPRAYER No. 1.

Double tube angle discharge, enabling the operator to spray up under the leaves. Best sprayer for small plants and bushes. Each, 50c.

ASPINWALL POWDER SPRAYER.

Fig. 20. Excellent for blowing powder on vines and bushes; good size and works fine. Price, \$1.15.

ELECTRIC SPRAYER, FIG. 40.

Specially made for dairy and stock men, for use in applying Fly Killers; strong and durable. Price, 75c.

KNAPSACK PUMP.

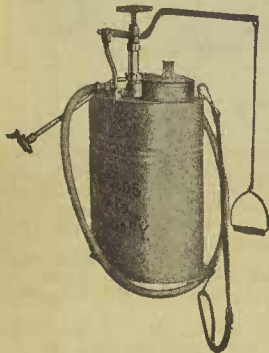
Fig. 1323. Consists of a five-gallon galvanized tank, inside of which is a brass pump; provided with straps for carrying on the back, or may be used as a bucket sprayer by removing long lever and operating pump by handle at top. Price, \$8.00.

PLANT SPRINKLERS.

These little hand sprinklers are used by all florists for spraying pot plants with water or insecticide. They are made of the best quality of rubber, and are durable and lasting. Made in two styles, straight and angle neck. Will spray in any position, and can be quickly filled. (See cut.)

	Each.	Postpaid.
No. 1. 5-oz., Straight Neck	\$.60	\$.65
No. 1. 5-oz., Angle Neck	.65	.70
No. 3. 10-oz., Straight Neck	1.00	1.10
No. 3. 10-oz., Angle Neck	1.10	1.20

Good Books on Spraying. See page 48.



KNAPSACK. 1323.



PLANT SPRINKLER.

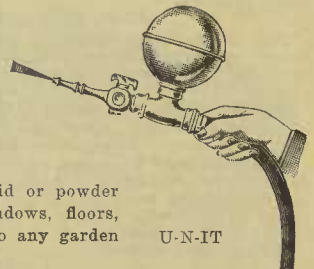
If you don't find what you want in this Catalogue, write and ask us.

U-N-IT SPRAYER.

A wonderful little invention for the practical application of liquid or powder sprays, fertilizers and disinfectants. Used with soap powder for washing windows, floors, plants, etc. You simply fill the globe with the powder or solution and attach to any garden hose, turn on the water and the mixing is automatic.

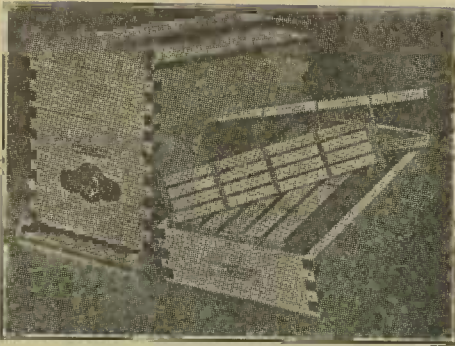
Florists, gardeners and stable men will find it indispensable.

Made of solid brass. Price, \$3.50; with nozzle, \$4.00.



U-N-IT

A. I. Root's Dovetailed Eastern Pine Hives



DOVETAILED HIVE, AE64P-8.

6 Hive body or brood chamber, with frames, division board and foundation starters.
 8 Indicates hive with 8 brood frames.
 10 Indicates hive with 10 brood frames.
 When the figures are doubled, it indicates that two of the articles are called for. For instance, 2-2P means two supers with plain section holders and fences.
 If you desire a Danzebaker bottom board, Excelsior cover, dovetailed hive with frames, foundation and super with section holders, 4 1/4 plain sections,

ROOT'S HIVE COMBINATIONS AND HOW TO UNDERSTAND THEM.

To accommodate various localities and beekeepers of different preferences, we have a large number of different combinations, and each combination is indicated by a series of letters and figures. A glance at the following table, showing the meaning of each letter or figure in alphabetical order, will make all plain:

- A Danzebaker bottom.
 - E Excelsior cover.
 - G The Gable cover.
 - I Super for Ideal plain sections, 3 3/8 x 5.
 - M Super, 4x5 plain sections for Danzebaker hive.
 - P Super equipped for plain 4 1/4 sections.
 - S Super for 4 1/4 bee way sections.
 - 2 Super with section holders, separators or fences, but no sections or foundation.
 - 4 Super with section holders, separators or fences, sections and foundation starters.
 - 5 Hive body or brood chamber, with frames and division board, but no starters.
- fences and foundation, the number would stand thus: AE64P-8.

If you wish two supers in place of one, you would add another figure 4, and the whole would read for 8-frame hive, AE644P-8; or, if you wanted this same combination without foundation or sections, the designation would be: AE522P-8.

NOTE.—We can furnish the Danzebaker Hive, specially made for the production of Comb Honey. Full information on request.

Price List of Root's Dovetailed Pine Hive—Different Combinations

	Each Nailed	K. D. IN FLAT		Wgt. of 10
		5	10	
HIVES.				
No. 1 (A-E or A-G, 6-4, S or P), 8-frame body and 1 super, complete with starters...	2.50	\$10.75	\$21.00	280
No. 1 (A-E or A-G, 6-4, S or P), 10-frame body and 1 super, complete with starters...	2.70	11.75	23.00	320
No. 2 (A-E or A-G, 5-2, S or P), 8-frame body and 1 super, complete, less sections and starters	2.20	9.25	18.00	260
No. 2 (A-E or A-G, 5-2, S or P), 10-frame body and 1 super, complete, less sections and starters	2.40	10.25	20.00	300
No. 3 (A-E or A-G, 6-4-4, S or P), 8-frame body and 2 supers, all complete	3.20	13.75	27.00	350
No. 4 (A-E or A-G, 5-2-2, S or P), 8-frame body and 2 supers, all complete, less sections and starters	2.70	11.00	21.00	320
A-E or A-G, 6, 8-frame body only, with frames, division board and starters	1.70	7.50	14.50	195
A-E or A-G, 5, 8-frame body only, with frames, division board, no starters	1.65	7.00	13.50	190
No. 10 (A-E or A-G, 5-5), 8-frame body, two-story, for extracting	2.50	10.90	21.50	320
HIVE BOTTOM.				
A-Danzebaker bottom-8	.30	1.45	2.75	40
HIVE COVERS.				
E-Excelsior or G-Gable cover-8	.35	1.70	3.25	40
HIVE BODIES (Brood Chamber)				
Empty body for 8 frames, 9 1/2 inches deep, with tin rabbets	.60	2.50	4.90	80
5-body-8, with frames and division board	.95	4.25	8.30	130
6-body-8, with frames, division board and starters	1.05	4.75	9.20	135
SUPERS.				
No. 1 (4 P, S, or I), 8, all complete with starters	1.90	3.90	7.50	75
No. 1 (4 P, S, or I), 10, all complete with starters	2.00	4.35	8.50	100
No. 2 (2 P, S, or I), 8, all complete less starters	.70	2.85	5.50	65
No. 2 (2 P, S, or I), 10, all complete less starters	.75	3.15	6.00	80
No. 0 (Plain supers), with flat tin; empty	.35	1.55	3.25	40
DANZEBAKER HIVES.				
Danzebaker A E D, 6-4 M-10	2.85	12.75	25.00	330
Danzebaker A E D, 5-2 M-10	2.50	11.25	22.00	300
Danzebaker A E D, 5-10	1.80	7.75	15.00	200
SUPERS.				
Danzebaker 4 M-10 super	1.25	5.50	10.75	120
Danzebaker 2 M-10 super	.95	4.20	8.00	100

NOTE.—D. Danzebaker cover. M. Danzebaker super.

Hive Fixtures and Miscellaneous Bee Supplies

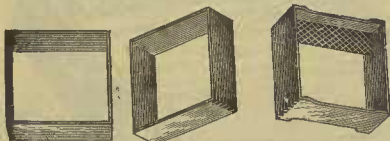
SECTION HONEY BOXES.

Our No. 1 Sections are made of the choicest white basswood lumber, and are all perfect in finish and free from defects.

- No. 1 Root's Best White.... Per 100, 70c.; 500, \$3.00; 1000, \$5.90
- Portland Seed Co.'s No. 1..... Per 1000, \$5.75
- No. 2 Root's Second Grade.... Per 100, 65c.; 500, \$2.85; 1000, \$5.50
- Portland Seed Co.'s No. 2..... Per 1000, \$5.25

If ordered by mail, allow 1c. each for postage.

Order any of the following sizes wanted. We have 4 1/4 x 4 1/4 x 1 1/2, generally used and always sent unless otherwise ordered; 4 1/4 x 4 1/4 x 7



One-Piece V Groove Sections.

Don't forget that we have complete Bee Supply Catalog. Free.

to the foot; 4 1/4 x 4 1/4 x 1 1/2; 4 1/4 x 4 1/4 x 1 3/4.

The 4 1/4 x 4 1/4 x 1 1/2, 3 3/8 x 5 x 1 1/2, and 4x5x1 3/4 Danzebaker having no bee way are 15c. per M less.

HIVE FIXTURES AND SUPPLIES—Cont

SECTION HOLDERS.

Root's, 1 7/8 x 18 1/8 in., slotted, . . each, 3c.; per 100, \$2.40
 Western, 7 7/8 x 18 1/8 in., slotted, each, 3c.; per 100, 2.15
 Root's, 1 1/2 x 17 1/2 in. plain, . . each, 3c.; per 100, 2.00
 Danzebaker, reversible each, 4c.; per 100, 3.00
 Bottoms only—
 1 7/8 inches wide, slotted each, 2c.; per 100, 1.25

SEPARATORS.

Slotted wood, 4 1/2 x 18 Per 100, \$1.00
 Slotted wood, P. S. Co.'s Per 100, .75
 Plain separators Per 100, .70
 Pence, P, or I Per 100, 2.00
 Pence, Danzebaker M. Per 100, 2.20

IMPROVED HOFFMAN FRAMES.

Improved F. F. Per 10, 35c.; 100, \$3.00
 Western Per 10, 30c.; 100, 2.85
 Half Hoffman Per 10, 30c.; 100, 2.50
 Danz, Reversible Per 10, 35c.; 100, 3.00

HIVE PARTS.

Division Boards Each, 10c.; 10 for 90c.
 Follower and Wedge Each, 5c.; 10 for 35c.
 Tightening Spring Each, 1c.; 10 for 8c.

PORTER BEE ESCAPE.

Great labor-saver. Price.
 20c., postpaid. Mounted, each, 40c. (cannot mail).

PORTER HONEY HOUSE ESCAPE.

No extracting room will be complete without one
 or more of them. Each, 25c., postpaid.

ALLEY'S DRONE AND QUEEN TRAP.

A non-swarmer device. Each, 50c.; by mail, 65c.
 Improved wire front. Each, 55c.; by mail, 70c.

FEEDERS.

Grays. This is designed to be placed tight up against
 the entrance. Price, 20c.; by mail, 35c.
 Alexander. Latest out. Used under rear end brood
 chamber. Price, 30c.; by mail, 55c.
 Simplicity. Each, 10c.; by mail, 15c.
 Miller's. Sets on a hive like a super; holds about
 25 lbs. of syrup. Nailed up, complete, 35c.; in flat, 30c.
 Boardman's. Price, 30c.; without jar, 20c.
 Division Board Feeders. Each, nailed, 30c.

FREE

We will gladly mail our complete illustrated
 and Descriptive Bee Supply Catalog if you wish
 it. We have plenty, so don't be backward.

SMOKERS.

(See cut.)

Every owner of a hive of bees should
 have a smoker. A few blasts of smoke
 will quiet the bees so that they can be
 handled with safety. (See cut of the
 leading kinds.)

Clark's Cold Blast. Probably the
 most popular smoker in use today.
 Price, 60c.; by mail, 75c.

Improved Corneil. Makes a good,
 strong blast. Standard size, 3 1/4-inch,
 \$1.00; by mail, \$1.25; Jumbo, 4-inch,
 \$1.50; by mail, \$1.85; Standard Cop-
 per, \$1.50; by mail, \$1.75; Junior, 2 1/2-
 inch, 90c.; by mail, \$1.10.

Vesuvius. A hot-blast, breech-loading smoker.

Price, \$1.25; by mail, \$1.50.

Crane. Similar to the Bingham, but somewhat
 heavier. Price, \$1.35; by mail, \$1.65.

Danz. 20th Century. Combined hot and cold blast.
 Price, \$1.15; postpaid, \$1.40.

Bingham. This is strong, well made. The "Con-
 queror" and "Doctor" not excelled for use in large
 apiaries.

	Each.	By mail.
Bingham Conqueror	\$1.00	\$1.25
Bingham Little Wonder . . . . .	.60	.75
Bingham Doctor	1.25	1.55
Bingham Large90	1.10
Bingham Engine	1.60	1.85



Globe. Has

Hat Veils.

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 No. 2 Veil, cot
 No. 3 Veil, cotto

Novice
 Quimby
 Bingham
 15c. Honey Knif

CON

Packed in 1

GRADE

Light Standard Bro
 Extra Light Brood
 Light Section
 Extra Light Section

HONEY

Non-Drip—
 12-lb. Shipping Cas
 24-lb. Shipping Cas
 24-lb. for 3 7/8 x 5 Se
 32-lb. for 1 1/2-inch
 24-lb. for Danzebak

FOUND

Parker's. Well

Daisy Foundation
 better and faster th
 Price, with
 Van Deusen Wax T

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The Easterday.
 Spur Wire Imb
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Doolittle Solar
 supplies the heat
 Root's German
 Hatch Wax Pre
 Swiss Wax Ex
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H

Novice Extrac
 9 1/2 x 18 1/2 inches
 Cowan Extra
 work is require
 No. 15. Cowan
 No. 25. Cowan

A. I. RO FIXTURES AND SUPPLIES - Continued



ce, 20c.; by mail, 25c.
 ce, 20c.; by mail, 25c.
 ce, 20c.; by mail, 20c.
 ER.
 1.20; by mail, \$1.30
 1.25; by mail, \$1.35
 1.50; by mail, \$1.60
 14, 15.
 1.75; by mail, \$1.85
 size, mark outline

DOVETAILED HIVE,

6 Hive body or brood chamber
 board and foundation starters. Each. Doz.
 8 Indicates hive with 8 brood
 10 Indicates hive with 10 brood
 When the figures are doubled, it
 of the articles are called for.
 means two supers with plain se
 fences.
 If you desire a Danzebakker botto
 cover, 8-frame, dovetailed hive with
 and super with section holders, 4

LONIES.

Price List of Root's Dovetailed full-blooded Italian
 about five days to
 not expect them

HIVES.

No. 1 (A-E or A-G, 6-4, S or P), 8-fra April, \$1.75;
 No. 1 (A-E or A-G, 6-4, S or P), 10-fra August, Septem-
 No. 2 (A-E or A-G, 5-2, S or P), 8-fra
 and starters
 No. 2 (A-E or A-G, 5-2, S or P), 10-fra April, May, June,
 and starters
 No. 3 (A-E or A-G, 6-4-4, S or P), 8-fra
 No. 4 (A-E or A-G, 5-2-2, S or P), 8-fra
 tions and starters
 A-E or A-G, 6, 8-frame body only
 A-E or A-G, 5, 8-frame body only
 No. 10 (A-E or A-G, 5-5), 8-frame body, 8-frame hive.

HIVE BOTTOM.

A-Danzebakker bottom-8
HIVE COVERS.
 E-Excelsior or G-Gable cover-8
HIVE BODIES (Brood Chamber)

Empty body for 8 frames, 9 1/2 inches
 5-body-8, with frames and division board
 6-body-8, with frames, division board and
SUPERS.

No. 1 (4 P, S, or I), 8, all complete w
 No. 1 (4 P, S, or I), 10, all complete w
 No. 2 (2 P, S, or I), 8, all complete less
 No. 2 (2 P, S, or I), 10, all complete less
 No. 0 (Plain supers), with flat tin; empty
DANZEBAKER HIVES.

Danzebakker A E D, 6-4 M-10
 Danzebakker A E D, 5-2 M-10
 Danzebakker A E D, 5-10
SUPERS.

Danzebakker 4 M-10 super
 Danzebakker 2 M-10 super
NOTE.—D. Danzebakker cover. M. Danzebakker

PERFORATED ZINC.

Used for making honey boards, also entrance guards,
 queen and drone traps, etc.
 Zinc strips, one row holes, 3/4 x 18 to 19 1/2 inches.
 Each, 2c.; per 100, \$1.50; postpaid, each, 3c.
 Perforated sheets—
 Each, 28x96, \$1.75; 32x96, \$2.00. Less than a sheet,
 per square foot, 10c.; by mail, 10c. per foot extra.

HONEY BOARDS.

Used to confine the queen to the brood chamber.
 Nos. 1 and 11 are unbound zinc. Nos. 12 and 13 are
 wood-bound, with a bee space one side.

No.	Description.	Size, ins.	1	10
11.	8-frame, unbound	12x19 1/2	\$0.25	\$2.00
1.	10-frame, unbound	14x19 1/2	.25	2.10
13.	8-frame, wood-bound	13 1/2 x 20	.30	2.50
12.	10-frame, wood-bound	16 x 20	.30	2.60
8.	8-frame, wood and wire	13 1/2 x 20	.40	3.50
7.	10-frame, wood and wire	16 x 20	.40	3.60

Portland, Oregon, March 31, 1908.

Portland Seed Co.

Dear Sirs:

As I have hitherto found your Poultry Sup-
 plies to be all O. K., I am sending you another order,
 and you will please notice that I have ordered your
 best brands, for I believe it always pays to buy the best.

Yours respectfully,

JACOB SAUNDERS.

BEE ENTRANCE GUARDS.

Root's or Tinker's. These are to admit workers, but
 exclude drones. Price, 10c.; by mail, 15c.
 Improved Wire Front. Price, 15c.; by mail, 20c.

MANUM'S SWARMING DEVICE.

A most complete swarming device. The swarmer is
 light, conveniently carried, and will reach a swarm 20
 feet from the ground. Complete, \$1.60; wire basket,
 with bail, no pole, \$1.20.

MISCELLANEOUS SUPPLIES.

Queen Cell Protectors.
 Doolittle. Each, 5c.; by mail, 7c.
 West's Cell Protector. 10 for 50c.; by mail, 60c.
 West's Spiral Cage Feeder. 10 for 80c.; by mail, 90c.
 Hive Clamp. Per pair, 5c.; 10 pairs, 40c.; by mail,
 75c.; without screws, 10 pairs, 35c.; by mail, 65c.
 Hill's Device. For covering frames in Winter,
 10 for 60c.; by mail, \$1.00.
 Hubbard's Section Press. Price, \$2.75.
 Hive Tent. Price, \$2.00; weight, 6 lbs.
 Books for Bee Keepers. See page 48.
 Tin Rabbits. Price, 12 to 14 inches, \$1.25 per 100.
 Per 100.
 T-Tins—12 inches and under..... \$1.25
 T-Tins—Over 13 inches and up to 16 inches... 1.40
 Flat Tins—14 inches and under..... .50
 Flat Tins—Over 14 inches and up to 16 inches... .75

GOOD SERVICE

Bingham Springs, Ore., April 27, 1908.

Portland Seed Co.
 Portland, Ore.

Gentlemen:

Bee supplies all came in nice shape.
 Thank you for good packing and prompt ship-
 ment.

Yours truly,

MOLLIE REED.

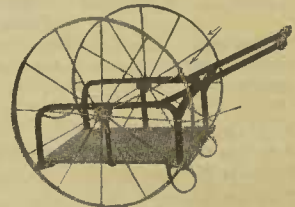
PORTLAND SEED COMPANY'S HANDY CARTS.

strong, light, easy to wheel.
 eral use.
 cks of Potatoes, Wood, Barrels; in fact, anything heavy can be easily
 elliptical tire. Neatly finished and painted.
 Price, \$8.75.

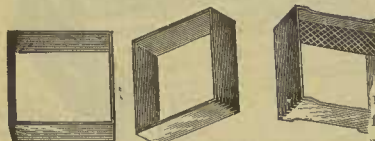
NUMBER 4 BARREL CART.

Will pick up any kind or size of barrel
 in a lime to large spray barrel, holding
 firmly, no attachment necessary on the
 rel. Contents can be emptied by simply
 ing the handles. Has 36" wheels, 2"
 ptical rims, 3/8" steel axle. Weighs, K.
 70 lbs. Price, \$8.00.

This is the best Barrel Cart we have ever
 n.



No. 1. Platform.



One-Piece V Groove Sections.
 Don't forget that we have complete
 Supply Catalog. Free.

to the foot; 4 1/4 x 4 1/4 x 15-16; 4 1/4 x 4 1/4
 The 4 1/4 x 4 1/4 x 1 1/2, 3 3/8 x 5 x 1 1/2, and

Poultry Supplies

We make a special study of local conditions and requirements, and the large and increasing demand for our supplies is the best assurance of their superior quality.

Mandy Lee Incubators

We keep at the head of the incubator business handling only the best, and after a series of practical demonstrations and a careful investigation, we selected the "Mandy Lee" as being the very best incubator made. This was two years ago. Our judgment has since been vindicated by the many recent discoveries and exclusive features that have been added, and in the 1909 "MANDY LEE" we have the latest scientific triumph.

"The Perfect Incubator"

This was made possible by the invention of the "Mandy Lee Hygrometer" for accurately registering moisture, which is the crowning achievement that makes the results of artificial incubation an absolute certainty. This Hygrometer is furnished with every "Mandy Lee" Incubator. It fits in the space required for one egg; is as easily read as a thermometer, and accurately registers the percentage of moisture in the egg chamber. This is the most important of the many exclusive features of the "Mandy Lee," and is the most valuable scientific addition to artificial incubation.

Three things are necessary to hatch a fertile egg:

- First. Correct Heat.
- Second. Correct Moisture.
- Third. Correct Ventilation.

When these are correct, fertile eggs hatch every time. There is no "luck" about it, and the hatch will vary in proportion to the correctness of these conditions. We want to impress upon you that the "Mandy Lee" is the only incubator in which all of these conditions are measured and adjusted to a scientific certainty. The only one in which there is no guess work.

Portland, Ore., March 31, 1908.

Portland Seed Company,
Gentlemen:

The 140-Egg Mandy Lee Incubator I bought of you pleases me greatly. Gives me no trouble at all, and the chicks simply pop out of the shell at hatching time. First hatch, 109 chicks from 128 eggs; second hatch, 128 chicks from 142 eggs. Am very glad I bought the Mandy Lee.

Yours truly,
MRS. J. I. ROBINSON.

"LEE INDIVIDUALITY."

Exclusive Features of the "Mandy Lee" Incubator.

A Correct Hygrometer for Incubator Use

The perforated tube system of heating and ventilation, giving a uniform distribution of heat over a large or small area and a uniform supply of fresh air, a complete change every half hour, with no draughts. (See Out.)

Sheet metal air-tight diaphragm, dividing the egg chamber and preventing the direct draft from the lamp and all gases and superheated air from coming in contact with the eggs. A vital point.

Forced ventilation in desired amount through the heater by suction, drawing the air from the bottom of the egg-chamber.

Convenient adjustment of ventilation by one damper located on the heater.

Special front ventilators for warm weather control of moisture.

Special Adjustment of egg-tray, thermometer and nursery, making the "Mandy Lee" Incubator adaptable to any size egg, from Bantam to Ostrich.

Drop nursery bottom, permitting removal of chicks without opening incubator.

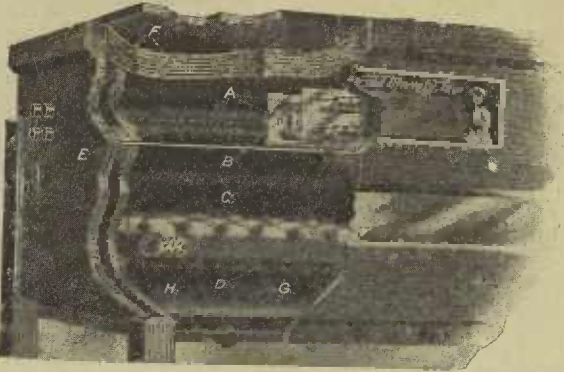
Special lamp attachment to heater, safe, secure, easily and quickly adjusted.

These are a few of the important details, which are exclusive with the "Mandy Lee." Limited space will not permit us to explain the many reasons why you should buy the Lee products, but we will send you the valuable Lee Books free on request.

PRICES.

280-Egg Size	.....	\$34.00
140-Egg Size	.....	22.00
100-Egg Size	.....	16.00

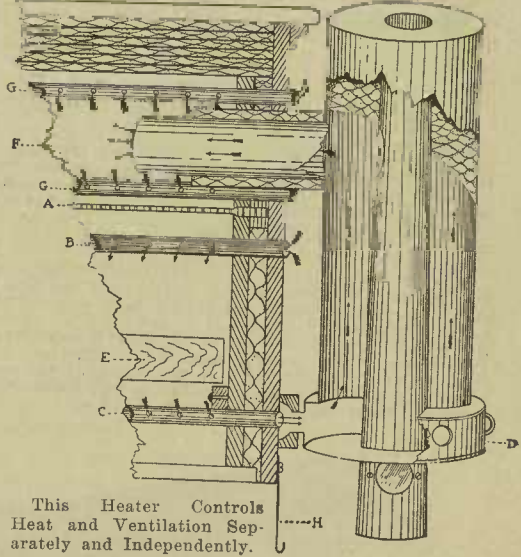
Lee's Catalog and Poultry Book is worth reading. He throws light on many knotty problems. Copy on request



A—Perforated Tubes of heating-chamber. E—Air-tight Diaphragm.
 B—Inlet Pipe from heater. F—Packing in walls and top.
 C—Upper Ventilator of egg-chamber. G—Chick-Nursery Bottom.
 D—Lower Ventilator of egg-chamber. H—Duck-Nursery bottom.



"MANDY LEE" HYGROMETER
 Booklet on Request



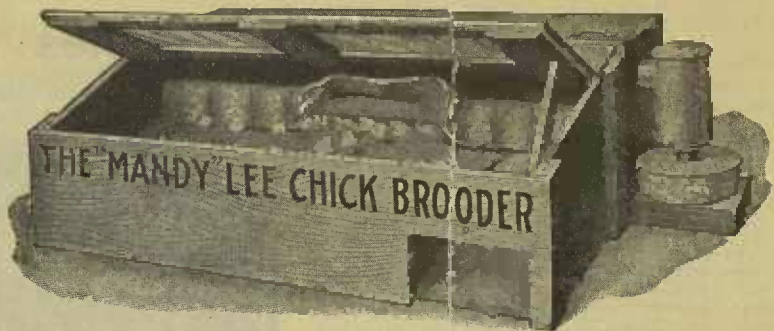
This Heater Controls Heat and Ventilation Separately and Independently.

- A—Air-tight metal Diaphragm.
- B—Upper ventilating tube.
- C—Lower ventilating tube.
- D—Slide for adjusting ventilation
- E—Egg-Tray.
- F—Heating-Chamber.
- G—Distributing Tubes in heating-chamber.
- H—Lamp Fastening.

None of the air which is drawn out from the lower ventilator ever enters the egg-chamber again. Fresh air enters upper ventilator directly from the room.

Mandy Lee Brooders

The only brooder that provides natural brooding conditions, direct contact heat—just like the hen.



No. 1 MANDY LEE BROODER.

The Mandy Lee.

A long, narrow hover—the ideal shape—heated evenly from end to end by a triple set of overhead pipes, one pipe passing entirely through and carrying out all the smoke, gas, etc., from the lamp, which is located outside the Brooder.

Again, a second pipe carrying cold, pure air into the hover, which is heated by the first pipe, and that heated air heats the blanket to the temperature of a hen's body.

The hover blanket is made of regular bed-blankets, shaped in the form of a semi-circle, hanging loosely and in the center to within an inch of the floor, and with curtain front and back.

Soft-Contact Heat.

Here is how the chicks get that soft contact heat, so natural, so necessary to their comfort, and so entirely absent in other Brooders.

The little chicks lay with their backs up against this warm blanket, just like a hen's body, and their heads out in the open air, just like illustration.

There is no crowding here; no smothering; no trampling. Each chick gets just as much heat as it wants, and no more. In other brooders all the chicks must get the same amount of heat, but not so in the Mandy Lee. It's a natural mother for them.

Mandy Lee in the Lead.

Is it to be wondered at, then, that Mandy Lee Brooders are displacing all other makes in the best poultry plants of the country?

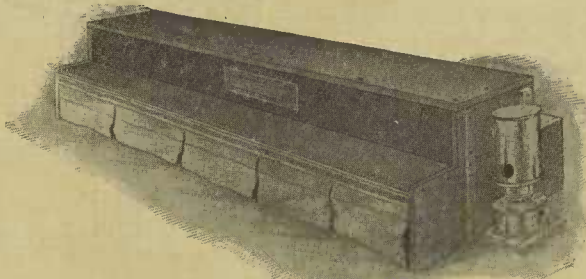
Or that we have never had a complaint on a Mandy Lee?

Reason it out for yourself. The question is not, "Can you afford to buy a Mandy Lee?" but, rather, "Can you afford not to buy one?"

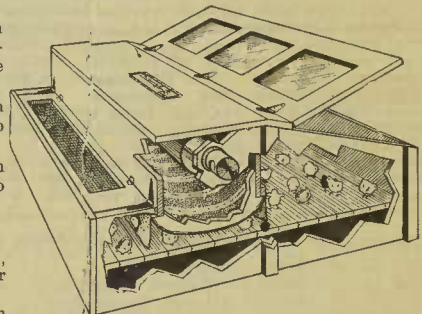
If you want to raise profitable poultry, you must equip yourself with the right kind of chick machinery; and you'll make a big mistake if you consider first cost in making your purchase. You can buy so-called incubators and brooders for less than the material used in the Mandy Lee costs, but it's a poor investment.

No. 1 REGULAR MANDY LEE.

Outside dimensions, 3x4 feet. It is as large as any 200-chick brooder on the market, but we call it only 100-chick size—50 chicks on each side of the hover. It will hold more, but it don't pay to crowd. Better have 50 healthy chicks in your brooder than 100 weakly, sickly ones. The cost of a few brooders is insignificant as compared to the value of the season's hatch. Price complete, including Box Germezone, Drinking Fountain and Thermometer, \$15.00.



MANDY LEE No. 2 SECONDARY BROODER.



SECTIONAL VIEW OF ABOVE. NOTE HOVER CONSTRUCTION.

No. 2 SECONDARY BROODER.

This is a larger, more roomy and less expensive brooder for older chicks or those from three to eight weeks of age. It is all hover, and, while occupying no more floor space than the other brooder, gives fully twice the actual brooding capacity.

It is simply a Great, big mother hen, sitting on the floor of the brooding house, and under which the chicks go at night or when feeling the need of warmth.

Once used, this brooder is almost indispensable. It seems to fit into a place no other brooder can occupy.

It can be used anywhere—in a poultry-house, barn, shed, piano box—just so it is protected from wind and storm. Price, \$9.50.

LEE SECTIONAL BROODERS.

This is a new brooder, very similar to the regular Mandy Lee Brooder, but designed for consecutive arrangement in the brooder-house, and in two tiers, one above the other, to economize space. Price, \$13.00. Lee's Catalog tells all and shows illustrations. The best brooder-house idea we know of.

Here's the Idea

For Instance. Some night, when you are lying in bed snugly covered and comfortably composed for sleep, just put a thermometer under your clothing next to your body and take the temperature of the air immediately surrounding your real self. You will find it to be somewhere between 95 and 98 degrees. Now, suppose that, instead of this method of comfortably warming yourself, you should go and lie naked in a room heated to even 95 degrees. You can imagine how uncomfortable you would be. Perhaps you may recollect some hot Summer evening, when you rolled and tossed all night, unable to sleep on account of the heat. This is because you cannot be either comfortably or healthy if your head is as warm as your body. (Buy a brooder with blankets.)

"Mandy Lee Fireless Brooder"

Safe, Economical, Practical

The Fireless Brooder has come to stay. No Lamps, Gas or Smoke to contend with, no danger of fire. The natural heat of the body is conserved and evenly distributed, and the ventilation by the perforated tube system is perfectly controlled in the "Mandy Lee Fireless."

VENTILATION.

The success or failure of a Fireless Brooder depends on ventilation. You can pack a hundred chicks in any kind of a small, well-padded compartment and they will keep warm and comfortable even in zero weather; but without fresh air they would neither do well nor live long, and the question of ventilation is a vital one. Without an even distribution of fresh air to all parts the chicks will crowd to the center, where it gets too warm, and many will be trampled and lost.

The perforated tube system gives a correct and equal amount of fresh air to every chick in every part of the brooder, a feature found only in the "Mandy Lee Fireless."

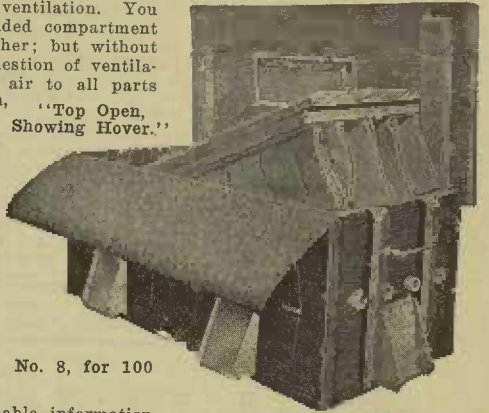
CONSTRUCTION.

The "Mandy Lee Fireless Brooder" has a heavily padded adjustable Hover, large air space in top as a protection from hot sun or extreme cold, double doors, properly arranged ventilators, metal-covered top and rain shield, and is readily accessible in all parts for cleaning or airing.

Chicks raised in these brooders are larger, stronger and feather out earlier and better than those grown in heated brooders.

"Mandy Lee Fireless Brooders" are made in two sizes: No. 8, for 100 chicks, \$6.00; No. 10, 200 chicks, \$9.00.

Let us send you the Lee Books Free. They contain valuable information for poultry men.



"MANDY LEE" FIRELESS BROODER.

Special Bargain Price

New Model No. 1. 128-Egg

Cornell Incubator, \$18.00

These are the regular \$24.00 high-grade Cornell Incubators, and were awarded the Gold Medal at the Lewis and Clark Exposition. They are finely finished, perfect machines, complete in every detail. We have sold carloads of them, and they have always given the best of satisfaction, but having given up the agency must close them out. Order at once. Only a few left. Cornell Catalog Free on Request.

Also One Large Machine

No. 3, 364 Hen Eggs, 300 Duck Eggs; Weight, Crated, 245 lbs., Price, 34.00.

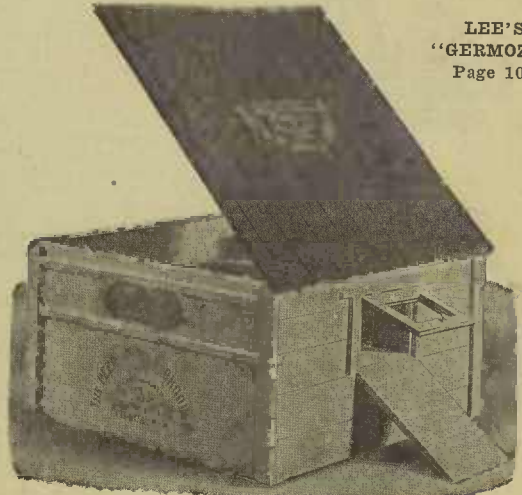
Peep O'Day Brooders No. 4

For general use in Brooder Houses or under cover from the weather.

We have a few of these popular and successful Brooders that must be sold to make room for other goods. They are properly constructed, well made, and equipped with all modern improvements, having heavy cast-iron lamp of the most improved make, new style burner, without chimney, no smoke, no smell, absolutely safe.

The control of heating and ventilation is perfect, and we can honestly recommend the Peep-o'-Day Brooder as being one of the very best. Price—to close out—\$10.00

Elgin, Ore., Dec. 10, 1908.
 Portland Seed Co.,
 Portland, Oregon.
 Gentlemen:
 The Mann Bone Mill arrived all right and we think it great, and I know the chicks do the way they eat the cut bone.
 Very truly yours,
 R. No. 2. MRS. MAUD JAMES.



LEE'S "GERMOZONE." Page 100.



BROODER LAMP, COMPLETE. Price, \$2.50

No. 4 PEEP O' DAY BROODER.

1909—Mann's Green Bone Cutters—Still in the Lead—1909

OTHER MAKES COME AND GO, BUT THE MANN RETAINS ITS PLACE.

If you want a new machine—one that has every late improvement, one that is really "ahead of the times" buy a Mann's. It does the work with the greatest ease. It makes every hen a paying hen. Try it and be convinced.

The Mann's Green Bone Cutter is offered to the poultry world on a warranty to produce a perfectly edible poultry food, with no waste, from any lot of butcher's bones with less labor and less annoyance than any other bone cutter.

We send the Mann's to any responsible poultryman with the understanding if you are not satisfied that it meets every claim we make for it, notify us and we will give you instructions to return the machine and will, upon receipt of same, refund purchase price. Could you ask more?

The Mann's is the only machine which has a self-governing feed, producing uniform pressure against the knife, whether the bone be hard or soft. You set the machine to suit your strength, and it never requires more power than you set it for.

The Mann's cuts any bone and all adhering meat or gristle, and never clogs or stalls.

The Mann's is, in short, an ideal bone cutter. We not only claim that it is a better machine than that produced by any other manufacturer, but we give you an opportunity to prove it.

MANN'S No. 5.

Has four knives, large, solid cylinder, and has the latest patent, automatic governing spring feed, which makes it one of the best low-priced bone cutters ever offered. We can furnish with crank, balance wheel, or mounted on iron stand. (See cut.)

MANN'S No. 7.

The new No. 7 is mounted on strong iron stand and has patent, automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts, has six knives, rear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.)

Mann's Bone Cutters are never returned—they please the buyers.

No. 7½.

Adapted to run either by hand or power without any change.

The particular advantage of the 7½ is that, while it is a complete power machine, it can be operated by hand just as easily as the No. 7. It is recommended, even if you have no power at present, for should you get power in the near future, you need be at no further expense. It has all the improvements. It meets a long-felt want.

No. 9.

(See cut.)

MANN'S NO. 5B.

About the same as No. 7, except that it has a larger cylinder and greater holding capacity, different design and larger table.



Mechanism of the Mann's showing automatic force feed, cylinder parts, etc. Mann's catalog tells all about it.

Washougal, Wash., Jan. 8, 1908.
 Portland Seed Company, Portland, Ore.
 Gentlemen: I have used Mann's Bone Cutters for years, and I know there is not a better machine made. Respectfully yours,
A. SIEGFRIED.

Springfield, Ore., Feb. 10, 1908.
 Portland Seed Co., Portland, Ore.
 Dear Sirs: I bought a Mann Bone Cutter last season, and I am perfectly satisfied with it.
 Yours truly,
CLAUDE B. WASHBURN.

Price List of Mann Bone Cutters.

New Styles.	Price.	Weight.
No. 5 C (with crank handle).....	\$ 7.75	30
No. 5 B (with balance wheel).....	10.00	55
No. 5 (B. W. and iron stand).....	13.00	80
No. 7 (B. W. and iron stand).....	15.00	107
No. 7½ (hand or power).....	21.00	150
No. 9 (B. W. and iron stand).....	22.00	163
No. 11 (power machine).....	30.00	215
No. 12 (power machine).....	35.00	260
No. 15 (power machine).....	67.50	420
No. 4 B M (B. W. and iron stand).....	14.00	110

No. 11.

Intended for large flocks, where the machine must be run by hand a portion of the time. The No. 11 is exactly the same as No. 9 with the power parts added. It has all the late improvements. Capacity, 100 pounds per hour.

No. 12—POWER.

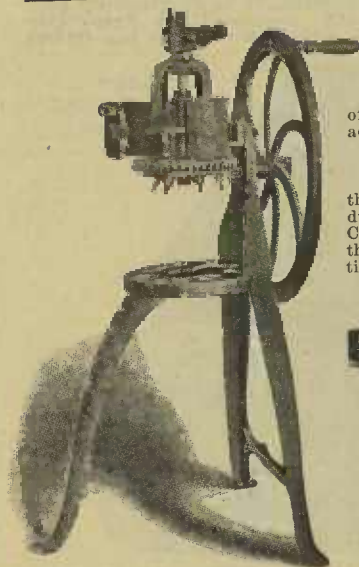
This machine deserves more than passing notice. It costs but \$4.00 more than the semi-power, or No. 11, yet it is heavier, stronger, better and far more durable. It is strictly a power machine, and full of business from top to toe. Capacity, 120 to 150 pounds per hour. Horse power required, one to two. Just the machine for marketmen, extensive breeders, or any one who has large quantities of bone to cut.

If you want a good, reliable machine, one that has established a reputation—buy a Mann's.

MANN'S HANDSOME 40-PAGE CATALOG

Tells all about the different style green bone cutters, clover cutters, corn shellers, grit smashers, etc., and contains much valuable information.

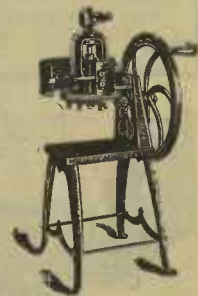
Free on request.



MANN'S NO. 7.



MANN'S NO. 11.



MANN'S NO. 9.

Miscellaneous Poultry Supplies

LEG BANDS FOR POULTRY AND PIGEONS. (See cuts.)

Every chicken must have a leg band on before it can be entered in a poultry show. In ordering Leg Bands, be sure to state sizes wanted, or breed of fowls bands are to be used on, and number of males and females.

Leader. Latest and best adjustable leg band. Has neat, compact, and smooth fastening with no catching points; easily attached and are absolutely secure.
Prices, postpaid, 12 for 20c.; 25 for 40c.; 50 for 60c.; 100 for 85c.

Climax. The "stay on" kind; very popular; rings made of spring brass wire; tags of aluminum.
Prices, postpaid, 12 for 20c.; 25 for 40c.; 50 for 60c.; 100 for \$1.00

Double Clinch. A new band; very safe; no exposed corners, ends or loops; has double fasteners.
Prices, postpaid, 12 for 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.

Eclipse. Flat aluminum bands, no sharp corners or edges; easiest flat band to put on.
Prices, postpaid, 12 for 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.

Smith's Sealed. Of aluminum and so constructed that by simply crushing a soft rivet they are sealed on the bird's leg, and must be destroyed to be removed. (See cut band sealed with letter R.)
Prices, postpaid, 12 for 30c.; 25 for 50c.; 60 for \$1.00; 100 for \$1.50.

Sealing Tools. For sealing the bands. Similar to hand pliers.
Smith's plain jaw, 50c.; lettered jaw, 75c.; postage, 10c. extra.

Pigeon Bands. We can supply the Double Clinch or Sealed Band at above prices, or the Open Band—you simply clasp it on—at the price of Climax.

POULTRY-KILLING KNIFE.

French, best and most popularPrice, postpaid, 50c.

CAPONIZING INSTRUMENTS.

P. S. Co.'s Standard. The best low-priced setPrice, postpaid, \$2.00.

Wagmore. A first-class outfit, with book of instructions.....Price, postpaid, \$2.50.

Triumph. Well-known tools—none better. Complete set with instruction book.
Price, postpaid, \$2.75

ASPINWAL SPRAYER.

The best low-priced liquid sprayer made. (See cut, page 85.)
Price, \$35c.; charges prepaid, 90c.

INSECT POWDER GUN.

There is no need to waste any powder if you use this small hand powder blower. Detachable bottom for filling. For use in applying insect powder of any kind on poultry, dogs or cats.
Price, each, small, 15c.; large, 30c., postpaid.

RELIABLE POULTRY MARKER.

For marking the web between the toes. One of the best and handiest markers.
Postpaid, 35c.



"Capons for Profit"
Page 48

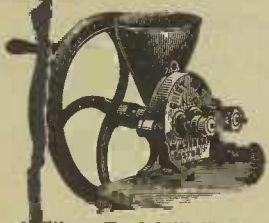


Roost Hangers.

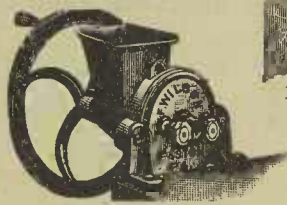


Reliable Poultry Marker

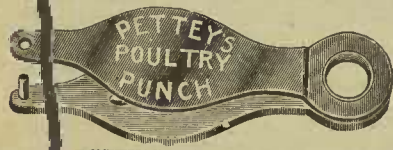
DIAMOND
"SCRATCH FOOD"
Page 98



Wilson Feed Mill No. 0.



Wilson Mill No. 1.



PETTY'S POULTRY PUNCH.

PETTY'S POULTRY PUNCH.

Latest, most convenient Poultry Punch; can be put on a key ring or used for a watch charm. Will not clog. Thoroughly practical.
Price, postpaid, 25c.

ROOST HANGERS. (See cut.)

Fill the cup with lice killer or coal oil. Poultrymen should not be without them. Will keep the birds free from vermin.
Price, each, 10c.; per doz., \$1.00.

THE WILSON DRY BONE MILL. (See cut.)

No. 1 is a practical mill, grinding all kinds of shell, crockery, grit, burnt or dry bone, feed, etc. Either coarse or fine. Weight, 33 pounds. Diameter of hand wheel, 20 inches.
Price, \$5.50.
(See cut.)

No. 0 WILSON'S.

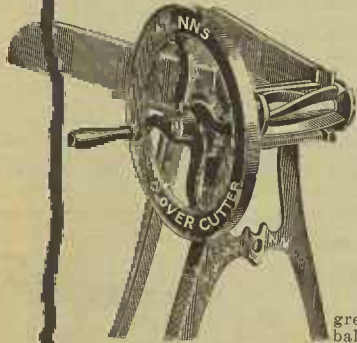
Especially made for grinding graham flour or cornmeal for table use. Can also be adjusted for cracking grain. Weight, 30 pounds.
Price, \$5.50.

MANN'S CAST IRON MORTAR.

For breaking glass, crockeryware, oyster shells or other dry substances for poultry. Weight, 33 pounds; height, 12 inches; 9 inches square; pestle, 4 feet long.
Price, \$3.50.

MANN'S CLOVER CUTTER.

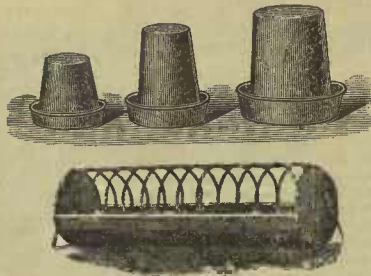
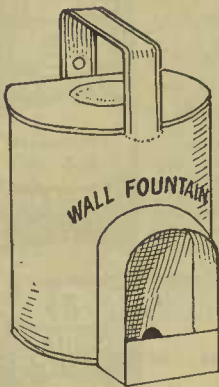
(See cut.)
Made entirely of iron and steel. Cuts hay or clover, either dry or green, and more rapidly than any other make. Each revolution of the balance wheel produces twelve cuts.
Price, \$10.50; mounted on iron stand, \$12.00.



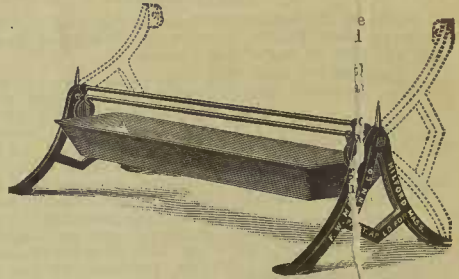
MANN'S CLOVER CUTTER.

Limited space in this Catalog will not permit us to give complete description of all our poultry supplies, but we will gladly send our Complete and Illustrated Poultry Supply Catalog on request.

PORTLAND SEED COMPANY'S
POULTRY SUPPLIES—Continued



FEEDING TROUGH.



MANN'S FEED TRAYS.

GALVANIZED WALL FOUNTAINS. (See cut.)

Something new and serviceable. To be hung on the wall or against an upright post, at any height. The hood over the trough protects the water from becoming soiled. Anyone can easily see the convenience of these. One gallon size. Each, 75c.

GALVANIZED IRON DRINKING FOUNTAINS.

(See cut.)

Our Galvanized Iron Drinking Fountains embody every good feature of the down-to-date drinking fountains, and, we believe, are the best in use. They are easily filled, cleansed and kept clean. If placed in the shade in summer time, the water will keep nearly as cool as in an earthen vessel. They are much lighter than the earthenware fountains and are safer to ship. A dozen can be put in a compact package for shipment, as they nest together. We offer them very cheap.



STONE FOUNTAIN.

Small size Each, 30c.; six, \$1.70
Medium size Each, 40c.; six, 2.25
Large size Each, 50c.; six, 2.75

Our Illustrated and Descriptive Poultry Supply Catalog on request.

SANITARY STONE FOUNTAINS.

(See cut.)

These are strong and well finished, made in two pieces and easily washed and kept clean. They probably keep the water cooler than the galvanized fountains, but are heavier to handle and more liable to break. Price, 1/2 gal., 35c.; 1 gal., 50c.

RELIABLE FEED COOKER.

Holds 20 gallons; weight, 65 lbs., length, 24 in. See Poultry Catalog for full description. Price, \$8.

WIRE HEN'S NESTS.

(See cut.)

Strongly made; very durable; fasten to the wall; no harbor for vermin. Price, each 25c.; doz., \$2.50.

EGG TESTERS.

(See cut.)

X-Ray. This Egg Tester is made to use on a lamp and will fit the ordinary No. 2 burner. By holding the egg up to the opening in the side, the inside of the egg and the development of the chick can be seen very plainly. Price, 50c.; postpaid.

Harding's Perfection. For sunlight. (See cut.) Price, 60c.; postpaid.

CHINA NEST EGGS.

Best grade Opal Eggs. Price 3 for 10c.; 12 for 35c.; 20c. per dozen ex a for postage.

KNOX LICE-KILLING NEST EGG.

A Combined nest egg and lice killer. By simply using it in the nests in the same manner as an ordinary nest egg is used, laying hens are cleared of lice and mites, and are able to occupy the nests with comfort. Do not accept worthless substitutes. Price, each, 10c, postpaid; per dozen, 75c.; postpaid \$1.00.

PREMIUMS.

We offer you many good premiums; see inside front cover.

MANN'S SWINGING FEED TRAY.

(See cut.)

For water or feed. Fowls cannot scratch dirt into it, or feed out of it, nor roost on it; yet will not tip over or spill the food out.

Price, 18 inch, \$1.00; 27 inch, \$1.25; 36 inch, \$1.50.

SANITARY SELF-FEEDING BOX.

(See cut.)

Made of heavy galvanized iron; soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all times.

Price, each, 75c.

WIRE-COVERED FEEDING TROUGH.

Decidedly convenient for young chicks. (See cut.) Price, 35c.; by mail, 50c.

P. S. CO.'S SHIPPING COOPS.

All wood, neat, very light, but strong. Poultry raisers selling poultry at fancy prices should always use these coops. Each.

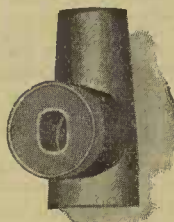
- No. 1. 10x21x18 \$0.30
- No. 2. 10x24x2040
- No. 3. 20x24x2050



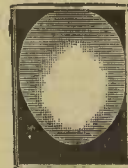
HARDING'S EGG TESTER.



WIRE NEST.



X-RAY TESTER.



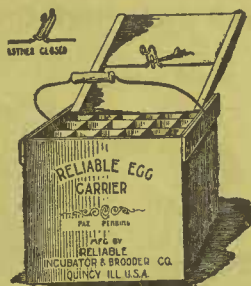
OPAL NEST EGG.

THIS IS IT JUST WHAT YOU WANT





Set up ready to ship.



Egg Carrier.



Oakes' Hydro Safety Lamp.

ANDERSON FOLDING EGG BOXES.

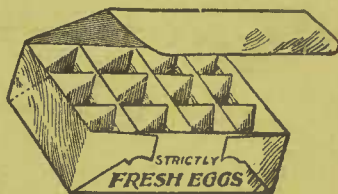
Made of heavy corrugated paper. The greatest advantage in it is that they can be bought K. D. (in the flat), and the express or freight will be about one-sixth of what it has been on the old style boxes. Only a few seconds' work to set the box up, pack it with eggs, and address it. These boxes are light, but very strong, being firmly braced, and will stand the weight of several hundred pounds without crushing.

- No. 3—15-Egg Size, 15c. each, 6 for 80c.; dozen, \$1.50.
 - No. 4—30-Egg Size, 25c. each, 6 for \$1.25; dozen, \$2.25.
 - No. 5—50-Egg Size, 40c. each, 6 for \$2.25; dozen, \$4.00.
- Sample box No. 3, postpaid, for 25c.

IDEAL PAPER EGG BOXES. (See cut.)

Intended for use in delivering eggs to private families. If you have a "select" egg trade, you should use this box. Nicely printed with a blank space for your name and address. Printed to order in two M lots at no extra charge. They ship "knocked down" at very low rates.

Prices: 1-dozen size, 25c. dozen; \$1.00 per 100; \$9.50 per 1000. Sample box by mail, 5c.



Ideal Egg Box.

RELIABLE EGG CARRIER.

Nicely painted; equipped with the very best fillers. Patent top and sling handle. Holds twelve dozen. (See cut.) Price, each, 75c.

HYDRO SAFETY LAMPS.

Oakes—Made especially for incubators and brooders; has a water jacket and is perfectly safe.

- No. 1—Small size, 5/8-inch wick\$1.50
- No. 2—Medium size, 1-inch wick 1.50
- No. 3—Large size, 1 1/2-inch wick 1.75

THERMOMETERS.

FOR INCUBATORS (tested).

- Fig. 8—Cornell style\$1.00
- Fig. 6—P. S. Co.'s triangle shape; metal back. .75
- Fig. 10—P. S. Co.'s straight metal back..... .60
- Fig. 14—Triangle shape; best incubator thermometer made. Certified correct; worth the additional cost 1.50
- Mandy Lee style80

FOR BROODERS.

- Fig. 12—Peep O' Day65
- Fig. 2—P. S. Co.'s; for any style brooder.... .50
- Mandy Lee style60

FOR GENERAL USE.

- Cabinet, 8-inch wood back, nice finish..... .40
- Fig. 4—Household, 7-inch, black enamel, tin case25

WIRE NETTING FOR POULTRY RUNS AND TRELLISES, ETC.

	12 in.	18 in.	24 in.	30 in.	36 in.	48 in.	60 in.	72 in.
1/2 inch mesh	\$1.00	\$1.50	\$2.00	\$2.50	\$2.90	\$3.80	\$ 4.75	\$ 5.65
3/4 inch mesh	2.35	3.50	4.70	5.85	7.00	9.30	11.50	13.75

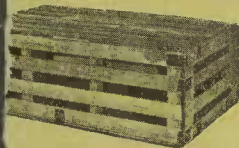
Short lengths, 2-in. mesh, 1c. square ft.; 1-inch mesh, 3c. Prices subject to change without notice.

Collapsible Poultry Coop

These are the neatest, lightest and strongest coops for shipping poultry in that we have ever seen. They are well made, and will last for years. Easily cleaned and stored. They are up-to-date coops, and make a good impression. They are a mighty good investment for any poultry raiser. Coops are made in three sizes. All treated with oil.



Coop Collapsed.



Coop Set Up.

- No. 1 Coop, for 12 to 24 chickens, size 36x24x12, weight 23 pounds. Price, \$1.80.
- No. 2 Coop, for 24 to 36 chickens, size 48x30x12, weight 33 pounds. This is the favorite size. Price, \$1.95.
- No. 3 Coop, for turkeys and geese, will carry 250 pounds of weight; size 48x30x16. Price, \$2.00.

RELIABLE POULTRY JOURNAL.

We recommend to our patrons the Reliable Poultry Journal, published at Quincy, Ill., as being one of the best papers for both the amateur and the experienced poultry breeder. Send for sample copy. They will enter your subscription for thirteen months upon receipt of 50 cents if you will mention this catalog.

THOROUGHbred POULTRY

Let us know what you want in this line. We can supply you at reasonable prices and give you reliable stock.

Portland Seed Co.'s High Grade Poultry Foods

We manufacture our Diamond Poultry Foods from choice, clean, wholesome material, and they are the results of a lifetime of careful study and experiments by a thoroughly practical expert, who is a recognized authority.



DIAMOND EGG FOOD.

The most successful combination of egg-producing elements ever prepared, being a complete ground food for growing fowls and hens, encouraging rapid growth and increasing egg production. Can be fed dry or as a mash. Diamond Egg Food costs no more than other foods, and is of twice the feeding value.

Price per 100 lbs., \$2.25.

DIAMOND SCRATCH FOOD.

The most successful "up to now" ready-mixed complete food. Makes hens sing, and singing hens lay. A perfect "working ration" for fowls. Grains, Grit, Shell, Beef, Bone and Charcoal carefully prepared in the correct proportion; a veritable "hen's" delight, and a great egg-producer.

Price per 100 lbs., \$2.25.

Arleta, Ore., Oct. 10, 1908.

Portland Seed Co., Portland, Or.

Gentlemen: We have been feeding your Diamond Egg Food and your Scratch Food for over a year with excellent results. We had eggs all through the Winter when our neighbors had none. Yours truly,

A. CASTLE SANDFORD.

HIGH-GRADE MEAT MEAL.

A highly concentrated food. It is cooked meat, dried and ground. Very rich in protein. It should be mixed with the soft food. No hides or tankage in our meat meal, but, as its name implies, meat, cooked, dried and ground; unexcelled for egg production.

Diamond Grade. 1 lb., 5c.; 10 lbs., 40c.; 100 lbs., \$3.50
Standard. Good grade. 100 lbs., \$2.50

POULTRY PEPPER.

A good tonic and invigorator; ground.

Price, 1 lb., 25c.; 5 lbs., \$1.00

BLOOD MEAL.

The most highly concentrated egg-producer on the market. To be fed in soft food. Unexcelled as a food for forcing growth of chicks or as an egg food.

Price, 1 lb., 10c.; 10 lbs., 60c.; 100 lbs., \$3.75

OYSTER SHELLS, CRUSHED.

We offer nice, clean stock, free from dust and waste. These should be within reach of your hens at all times. In two sizes, coarse and fine.

Diamond Brand. Price: 5 lbs., 10c.; 100 lbs., \$1.50.
Western. Price: 5 lbs., 10c.; 100 lbs., \$1.35

PORTLAND SEED CO.'S DIAMOND CHICK FOOD

A complete balanced ration, that will make chicks grow and keep them healthy.

Our warehouse records show that we manufactured and sold over 600,000 pounds of Diamond Chick Food a past year. This is our proof of quality.

The select grains that are used in the preparation of Diamond Chick Food are cut by a special process, screened to a uniform size and run through a fanning mill to remove the dust and meal, which is the fatal element in most chick foods. After this process, the ingredients are carefully weighed and mixed in correct proportions. No guess work.

You can raise so many more chicks by feeding it that it is the cheapest feed you can buy. Ask for descriptive pamphlet. Directions for feeding in each sack or package.

Look for our "Diamond Brand"; there are several substitutes on the market.

Price: 5 lbs., 25c.; 12 lbs., 50c.; 25 lbs., 90c.; 50 lbs., \$1.60; 100 lbs., \$3.00.

CLOVER OR ALFALFA MEAL.

The best substitute for green food for Winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.

Price: 1 lb., 5c.; 10 lbs., 35c.; 100 lbs., \$2.00

HIGH-GRADE BEEF SCRAPS.

Diamond Brand, Special. A new beef product, perfectly prepared, fine ground and clean. The highest feeding value yet produced.

Price: 5 lbs., 25c.; 50 lbs., \$2.25; 100 lbs., \$4.00

Steel cut, granulated, clean and free from dust, hide, hair, etc. There is no waste; can be fed like grain if preferred. Every poultry keeper knows the value of this food.

Price: 5 lbs., 25c.; 50 lbs., \$2.00; 100 lbs., \$3.75

GRANULATED BONE.

Our "Diamond Brand" is made from selected hard, white, raw bones, and of a superior quality; an indispensable food for laying hens.

Diamond. Price: 3 lbs., 10c.; 10 lbs., 30c.; 100 lbs., \$2.25
Ordinary. Price: 100 lbs., \$2.00

GRIT.

Every poultry raiser should keep a supply of this grit in each pen. Made in two sizes, chick and hen size. We always send hen size unless otherwise ordered.

Diamond Crystal. Price: 5 lbs., 10c.; 100 lbs., \$1.50
Wica. An excellent grit. Per 100 lbs., \$1.50

CHARCOAL.

Our Charcoal is granulated, prepared especially for poultry; no dust; a good thing for bowel trouble, scrop and indigestion; a health preserver.

Price: 1 lb., 10c.; 10 lbs., \$1.00

TOBACCO DUST.

For use in dust baths and nests. A cheap and effective exterminator of lice.

Price: 1 lb., 10c.; postpaid,

BIRD SEED.

Not for Planting.

P. S. Co.'s Best Mixed. Per lb., postpaid,
Canary—Best Re-cleaned. Per lb., postpaid,
Hemp Per lb., postpaid,
Millet Per lb., postpaid,
Rape Per lb., postpaid,
Cuttle Bone. Large bone. Postpaid, 2 for 1

Hillsboro, Ore., Nov. 24, 1908

Portland Seed Company,
Gentlemen:

I can recommend your Diamond Chick Food as the best ever tried for young chicks.

Respectfully,

WM. ROHR.

Poultry and Stock Foods, Remedies, Etc.

When you order goods by freight, add a package or two of these remedies; the charges will be no more, and you will have them on hand when needed. Full directions on each package. Remember, not postpaid at following prices, unless so stated.

International Stock and Poultry Food, Remedies, Etc.



We are Pacific
Coast Agents



Every package of International is guaranteed to fulfill every claim made for it, or your money back for the asking. We sell International on its merits. You are the judge. Full directions on each package.

FOR POULTRY.

International Poultry Food. Increases egg production; makes chickens grow, and keeps them in perfect health.

International Louse Killer. Will quickly kill lice, fleas, etc., and not hurt the poultry. A large package for little money and fully guaranteed.

International Lice Paint. One of the best liquid lice killers on the market.

International Scaly Leg Ointment.

Box, 25c. postpaid.

International Cresul. A strong and powerful germicide and disinfectant. A few drops in the drinking water from time to time will keep the birds in a healthy condition.

International Aseptin. A sure cure for bumble foot, open wounds, etc.

International Roup Cure. A guaranteed cure.

Per box, 50c., postpaid.

International Rheumatism Oil. A very penetrating and excellent preparation, especially fitted for the feathered tribe.

Per bottle, 25c.

International Sudal. To use with above remedy in chronic cases.

Per box, 25c., postpaid.

International Cholera Cure. For the prevention and cure of cholera in fowls, it has no superior.

Per bottle, 25c.

International Worm Pills. Per box, 50c., postpaid.

International Bowel Trouble Remedy. For poultry.

Per box, 50c., postpaid.

FOR STOCK.

International Stock Food. Makes and keeps cattle vigorous, strong and healthy. Three feeds for 1c. Every pound sold on a positive guarantee to show results or money refunded. The best stock food on the market today.

International Heave Cure. A guaranteed cure for heaves, asthma, broken wind, coughs, etc.

International Gall Cure. Your money refunded if it fails to cure galls, sore shoulders, necks or backs, cut or bruised heels, etc.

International Worm Powder. Safe to use; quick and sure in results.

International Pheno-Chloro. A reliable and low-priced disinfectant, antiseptic and germicide for use anywhere. A 50c. can makes 25 gallons ready for use.

International Harness Dressing. A combined soap and oil dressing. Makes old harness look like new.

International Honey Tar Foot Remedy. The best thing on the market for sore or tender feet, nail wounds, thrush, corns, quarter cracks and contracted feet.

International Colic Cure. A quick, sure cure for any kind of colic. Fully guaranteed.

International Silver Pine Oil. A wonderful cure for barbed-wire cuts, sprains, kicks, bruises, inflammation, etc. Purifying and soothing.

\$10.00 BOOK FREE

International Stock Food Company published a 150-page book, which they claim originally cost them \$3,000. This book is finely illustrated, and contains cuts and descriptions of nearly every breed of horses, cattle, sheep, hogs and poultry. It also contains a large amount of information valuable to farmers and poultry-keepers. It will be sent free of charge with your first order for International, or by mail, postpaid, upon receipt of 5c. to cover postage. Descriptive booklets and free pamphlets on request.

Diamond Poultry Remedies

These are manufactured exclusively by us, and we fully guarantee them.

Diamond Roup Cure. Comes in powder form. Full directions in each box.

Price, per box, postpaid, 50c. and \$1.00.

Diamond Cholera Cure. Comes in powder form. Mixture soluble in water. Full directions on each box.

Price, per box, postpaid, 50c.

Diamond Microzone. Will cure Roup, Cholera, Wounded Head, Sore Eyes and most all Chicken Diseases. Every poultry keeper should have a bottle of this on hand. Liquid, cannot be mailed.

Price, per bottle, 50c.

Conkey's Roup Cure

One of the best roup and canker cures on the market.

Price, per box, postpaid, 50c. and \$1.00.

Avenarius Carbolineum

A famous German wood preserver and insecticide. Use to treat or spray your chicken houses, hog pens, stables, etc., with Avenarius Carbolineum, to permanently destroy all poultry and other vermin and preserve buildings from rot and decay.

Quart can, 40c.; gal., \$1.25; 5-gal., \$6.00.

Lambert's Lice Remedies

Death to Lice. 5 oz., 10c.; by mail, 17c.; 15 oz., 25c.; by mail, 40c.; 48 oz., 50c.; by mail, \$1.10; 100 oz., \$1.00.

Death to Lice—Special. Dissolve in kerosene. 4 oz., 10c.; 16 oz., 25c.; 1c. per oz. extra for postage.

Death to Lice Ointment. For lice on chicks, scaly shanks on fowls of any kind.

1 oz., 10c., postpaid; 3 oz., 25c., postpaid.



Thoroughbred Poultry and Eggs for Setting

We can almost always supply any of the leading birds or eggs, either from the yards of our employes or from other reliable poultry keepers. We are in close touch with hundreds, and can give you full value for money invested. If you are in the market, write us, stating just what you want and how many, and we will be pleased to quote you prices.

Note.—Our regular customers are requested to list surplus stock and eggs with us.

FREE PREMIUMS

Each year we offer some premiums, and this season we are giving away free packages of Stock and Poultry Foods, Remedies, etc. See premiums inside front cover.

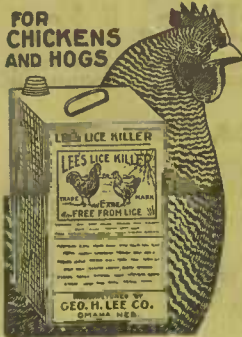
Lee's Foods and Remedies for Stock and Poultry

The Name Insures Quality.

We are Western Agents for these goods, and have sold them for years, with never a dissatisfied customer. This is an extraordinary statement, but it is absolutely true.

The reason is plain to all users of Lee's goods—they are never misrepresented; they do all and more than is claimed for them, and the manufacturers constantly are striving to increase their value and efficiency.

If you have never used the Lee goods or remedies, get in line. You cannot afford to be without them. Get in touch with the Lee Company. Their valuable booklets are free to poultry keepers, and contain the most reliable and complete information to date on all poultry problems.



Lee's Lice Killer

Liquid. Destroys either by vapor or contact. No trouble to apply; just paint the roosts or walls at night. Kills poultry and houses of all vermin; is prepared exclusively for this purpose, and there is nothing just as good.

Price: Quart, 35c.; 1/2-gal., 60c.; gal., \$1.00; 5 gals., \$4.00

Lee's Carbolic Sheep Dip. For lice, ticks, mange, itch or scab, on cattle, sheep and hogs.

Qt., 50c.; 1/2-gal., 75c.; gal., \$1.25; 5 gals., \$4.50

Lee's Peerless Gopher Killer. For killing gophers, squirrels, etc. Sure death. Qt. can, 75c.

Lee's Peerless Bug Killer. 12-oz. bottle, 25c.

Lee's Hickory Smoke Extract. Hickory Smoke Extract applied to meat preserves it indefinitely, imparting the delicious flavor that is only otherwise obtained by smoking with green hickory.

12 oz., 35c.; 32 oz., 75c.

Lee's Flyo-Curo. We sell thousands of cans of this fly spray every season, and it gives good satisfaction.

Qt., 50c.; 1/2-gal., 75c.; gal., \$1.25

Lee's Best Conditioner Stock Food. Promotes good health, digestion and assimilation.

Put up in 25c. and 50c. pkgs.; 25-lb. pails, \$2.50

Lee's Egg Maker is not a tonic nor a medicine, but a meat food of great value. It will make hens lay, chicks grow, and keep them all in a healthy, vigorous condition.

2 1/2-lb. pkg., 25c.; 5 1/2-lb. pkg., 50c.; 25-lb. pail, \$2.00; 100-lb. sack, \$7.00.

Lee's Hog Remedy cures all diseases of hogs and keeps them healthy. Pkg., 75c.; 25-lb. pail, \$2.00

Lee's Worm Powder for horses, cattle, sheep and hogs. Safe and sure in results.

Pkg., 25c.; by mail, 40c.

Lee's Mixed Stock Salt. Every breeder should have a supply of this salt. 25-lb. sack, \$1.25; 100 lbs., \$4.00

GERMOZONE

The cure that cures. Its action is marvelous. Never fails to cure Bowel Complaint, Cholera, Roup, Colds, etc. Whatever malady threatens, Germozone will cure or prevent. Germozone's greatest value is in prevention of sickness. If you wait until a hen is sick, you lose several weeks of egg-production, even though you cure her. Germozone prevents sickness by regulating the bowels, and should be given regularly twice a week in the drinking water to chickens, young or old, sick or well.

Prices:

Lee's Germozone—Liquid, 12-oz. bottle, 50c. Lee's Germozone—Tablets. Pkg., postpaid, 50c.

Send for the Lee Book. It's Free.



Send for copy of new books, "The Cost of a Lost Cow" and "More Dairy Dollars." They will tell you how to practically realize a profit of over \$50 per year on each of your cows. Sent free to any address.

Kow-Kure. 50c. and \$1.00 cans.

Bag Balm. A soothing, penetrating ointment for all affections of the bag. 50c. packages.

Grange Garget Cure. An unsurpassed and positive cure. 50c. cans.

Kow Kure

The World's Greatest Cow Medicine

This is different from anything ever discovered for cow troubles. It is the only cow medicine that is strictly for cows only. It is not a stock food, but a specific remedy especially for cow diseases, such as Barrenness, Scours, Milk Fever, Oaked Udder, Bloating, Red Water, Swelling of the Bag, etc. It prevents abortion and removes retained after-birth. It tones up the system, renews vitality, restores appetite to cows that are "off feed," and keeps them healthy. Makes poor cows good; good cows better, and makes more money for cow owners. It increases the milk flow, and enables the cows to produce strong, vigorous calves. It's the dairyman's gold mine, and a sure profit payer.

Horse Comfort. For wire cuts and all flesh wounds. 25c. and 50c. bottles.

American Horse Tonic. A general improver for horses. 50c. bottles.

SO-BOS-SO

We have tried them all and offer So-Bos-So as best Fly Killer.

So-Bos-So. Kiifly. Use Child's "So-Bos-So fly" on your stock. It means money in your pocket for cows give one-third more milk and horses do better and on less feed, when protected from flies. requires only a few seconds to apply it; it costs less than 1/2c. a day per head. You cannot afford to be without it. Apply with cloth, sponge, or hand-spray listed on pages 85 and 86.

Put up in 1-gallon sealed cans only. Price, \$1.00. Order a can with your other goods, and be ready for the flies when they come.



BEFORE.

AFTER.

Write today for 20-page booklet.