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SAVAGE & FLETCHER'S

**PURE
SEEDS**

**TRUE
SEEDS**

1906
**CATALOG OF
SEEDS**

**Plants, Bulbs, Roses,
Poultry and Bee Supplies,
Spray Pumps and Sprays,
Fertilizers, Tools, Etc.**

1906

**TESTED
SEEDS**

**FRESH
SEEDS**

SAVAGE & FLETCHER · SALEM, OREGON

SAVAGE & FLETCHER'S

Complete 1906 Catalogue

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Special Rates on Seeds in Packets or Ounces

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

25 Cents WORTH OF SEEDS FREE WILL BE ALLOWED FOR EACH \$1.00 SENT FOR SEEDS IN PACKETS AND ONE-OUNCE PACKAGES

IN OTHER WORDS, we will fill an order for \$1.25 worth of seed, in PACKETS and OUNCES only, for \$1.00; an order for \$2.50 for \$2.00 and so on. No discount on less than \$1.00 orders. THIS DISCOUNT DOES NOT APPLY ON QUANTITIES OVER ONE OUNCE.

Maurer's Improved Gopher Gun

PERFECTLY SAFE AND RELIABLE

(Cut shows gun with trigger set.)



We beg to call the attention of farmers and gardeners, generally, to Maurer's Latest Improved Gopher Gun. All parts are made of metal, and it is not only the strongest, but also as reliable as any other on the market. It is supplied with a large steel wire spring and the working parts are all brazed. After placing in the ground, the gun is set with one hand and there is then no possibility of an injurious explosion. Regular 16-gauge shot-gun shells are used in this gun. **Price, \$2.00.**

Savage & Fletcher's

1906

DESCRIPTIVE AND PRICED Complete Catalog

To Our Friends and Customers:

In presenting you with this, our 1906 Catalog, we do so believing that it is one of the best and most complete catalogs we have ever issued. If you will give it a careful reading we are sure you will find many things of value to you. We have carefully revised this book, adding such new goods of merit as we believe will be appreciated by our customers. Please remember that it is the policy of this company to offer not only the choicest seeds, but also the best goods in our different lines that can be procured in this or any other country.

There is no better line of Seeds, Poultry and Bee Supplies, Spray Pumps, Garden Tools, Nursery Stocks, etc., offered anywhere than those we are cataloging.

Thanking you for past favors, and hoping to have your orders again this year, we are, yours truly,

SAVAGE & FLETCHER.

FOR YOUR GUIDANCE—READ CAREFULLY

HOW TO SEND MONEY. Remittances should be made by Postoffice 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 Postoffice and State, and to avoid mistakes, do not write letters on the same sheet as orders.

SEEDS POSTPAID BY MAIL. We send all vegetables 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 vegetables or flower seeds to be sent by freight or express at your expense, deduct 10 cents 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 the additional room and facilities we hope to get along the coming season without an error of any kind. Let us have your orders early, and we promise to please you.

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.—J. & F.

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 seed 24 hours in warm water, and sow early in drills one foot apart. An ounce of seed will sow about 30 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. See index for roots. 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.

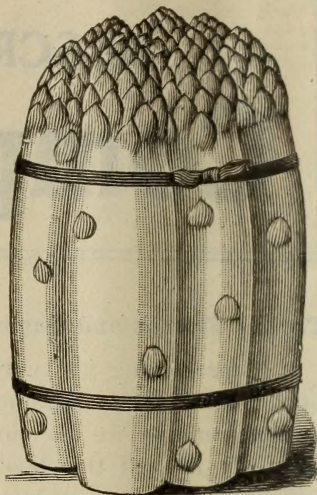
PALMETTO.

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.



ASPARAGUS.
(Cut and bunched.)

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 TUBERS.

For prices and description of this valuable feed root, see Farm and Field Seeds, page 53.



DAVIS WAX.

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.

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 from off the ground.

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

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

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

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 recommend this bean highly.

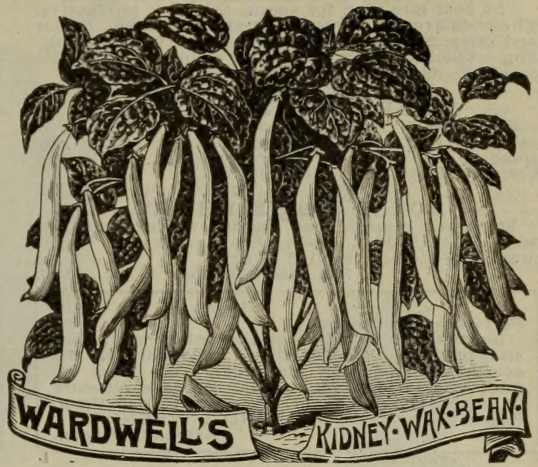
Pkt., 10c; lb., 15c; 10 lbs., \$1.20.

Extra Early Challenge Black Wax

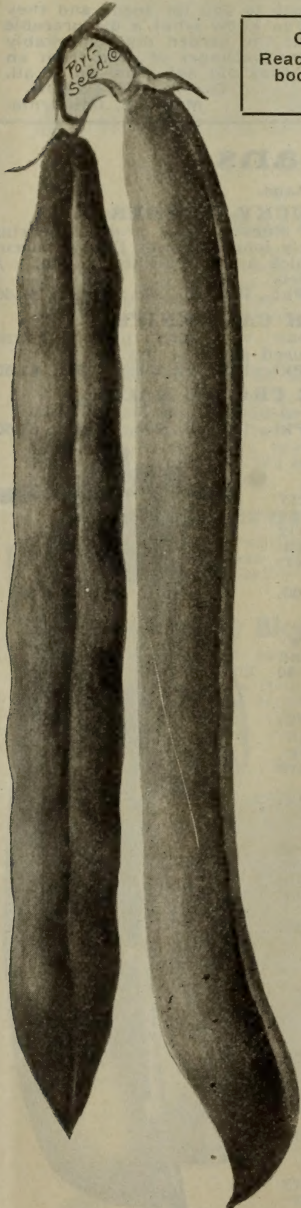
Extremely early, about a week in advance of any other wax variety, and considered one of the most desirable for first crop.

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.



GET WISE.
Read the valuable books we list on page 48.



Golden Wax

Has for many years been the best bean for general use in cultivation, and even now it is a competitor with the newer sorts for first place. 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.

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

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

BLACK-EYED WAX.

Vines medium sized; pods long, straight, proportionately narrow and rounder than those of the Golden Wax, and of a lighter color. They cook quickly, both as snap and shell beans. As early as the Golden Wax and of very good quality.

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

Dwarf or 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., 15c.; 10 lbs., \$1.25.

Portland Seed Company.

August 25, 1905.

Gentlemen: I wish to state that I have been very successful with your seed, especially Cabbage, Onions and Kale. I shall put on exhibition at Astoria during the Regatta, Cabbage weighing 20 pounds, Onions 14 to 18 pounds, and Kale so grand that people tell me they have never seen the like. This seed I got from your house, and it will give me pleasure to state this fact to the Exhibit Committee.

A. W. UTZINGER, Seaside, Oregon.

NEW STRINGLESS

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., \$1.30.

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., \$1.60.

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., 25c.

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.

Portland Seed Company.

Gentlemen: Enclosed please find three dollars and twenty cents (\$3.20) in payment for the accompanying order for seeds. We have no fault to find with your seeds, and take pleasure in urging every one in the state to use them. Respectfully,
BERNARD E. SPENCER,
 Ashland, Oregon.

February 27, 1905.

Portland Seed Company.

Gentlemen: I sent to you for seeds and they did just lovely. You know what a disagreeable spring we had, but the garden did remarkably well. I planted two packages of seed from an Eastern firm, but they did not show up at all. Yours truly,
D. N. KITTLESON,
 McCloud, California.

September 11, 1905.

Climbing or Pole Beans

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

EARLY GOLDEN CLUSTER WAX.

An early and very beautiful sort. Vines strong, vigorous and hardy; pods long, borne in clusters; beans, broad, thick and fleshy; color, bright, golden yellow.

Pkt., 10c.; lb., 25c.; 10 lbs., \$1.75.

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, good 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, greed-podded pole bean.

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

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.

SCARLET RUNNER.

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

Pkt., 10c.; lb., 30

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.

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

HENDERSON'S BUSH LIMA.

A small Lima Bean; early and prolific; desirable for early use.

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

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

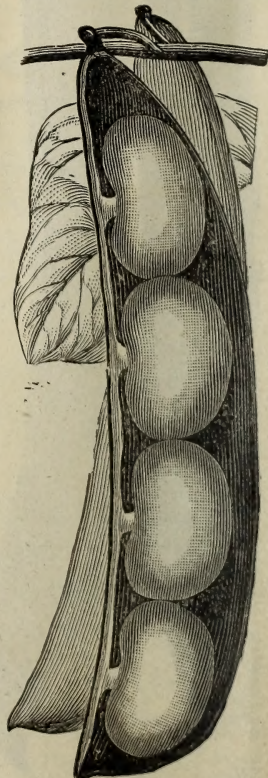
LARGE WHITE POLE LIMA.

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.



KENTUCKY WONDER.

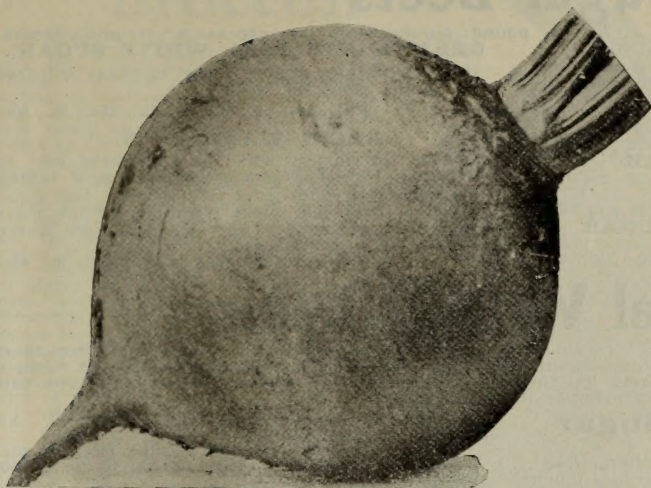


LIMA BEAN.

Do you want Trees, Shrubs or Roses? We have thousands.

Beets — For Table Use

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 to eight inches apart in the row. For field crop, the rows should be far enough apart to permit the use of a horse cultivator.



PORTLAND SEED CO.'S EARLY ECLIPSE.

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 a uniform, globular shape. The roots are of a bright, glossy red, fine-grained and delicious, with none of that earthy flavor so objectionable in many varieties.

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

P. S. Co's Market Gardener

This new, extra early Beet is remarkable for its fine quality and rapid growth; 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. We have never known a market gardener to try it but who wanted it again.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ 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; well worthy of a trial.

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

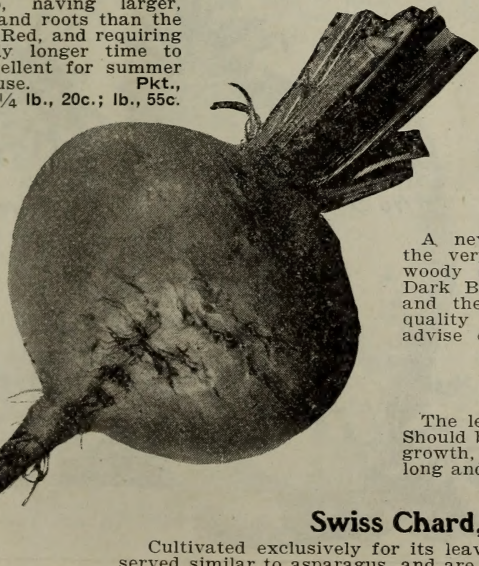
Improved Early Blood Turnip

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.

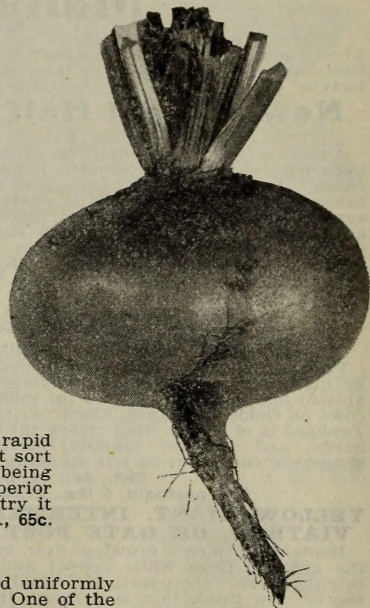
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

BEE T SEED

There is no crop where the quality of the seed used is of more importance than this. Our stock is raised by the very best growers, and we supply only the choicest strains.



DETROIT DARK RED.



P. S. CO.'S MARKET GARDENER.

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.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

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.; $\frac{1}{4}$ 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.; $\frac{1}{4}$ 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.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Sugar Beets

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

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.; ¼ lb., 15c.; lb., 40c.

LANE'S IMPERIAL SUGAR.

This is an excellent variety and one of the best for stock feeding.

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

VILMORIN'S IMPROVED SUGAR.

Very rich in sugar and does well on new lands.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

GERMAN IMPERIAL WHITE SUGAR.

It gives the best results raised in sandy soil free from alkali. Good for stock.

Pkt., 5c.; oz., 10c.; ¼ 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 should be used where the best results are desired.

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

Mangel Wurzel Beets

These are grown extensively for stock feeding, and afford large quantities of fresh, nutritious and wholesome food for stock 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.

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 seed; is much easier handled, keeps better and is in every way most valuable to the farmer. Roots large, very smooth, with few rootlets; white in color, with medium sized top.

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

Not postpaid, lb., 40c.; 5 lbs., \$1.50.

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.; ¼ lb., 20c.; lb., 40c.

Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

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 this is perhaps 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.; ¼ lb., 15c.; lb., 40c.

Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

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 good 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.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

YELLOW GLOBE. (Cut No. 7.)

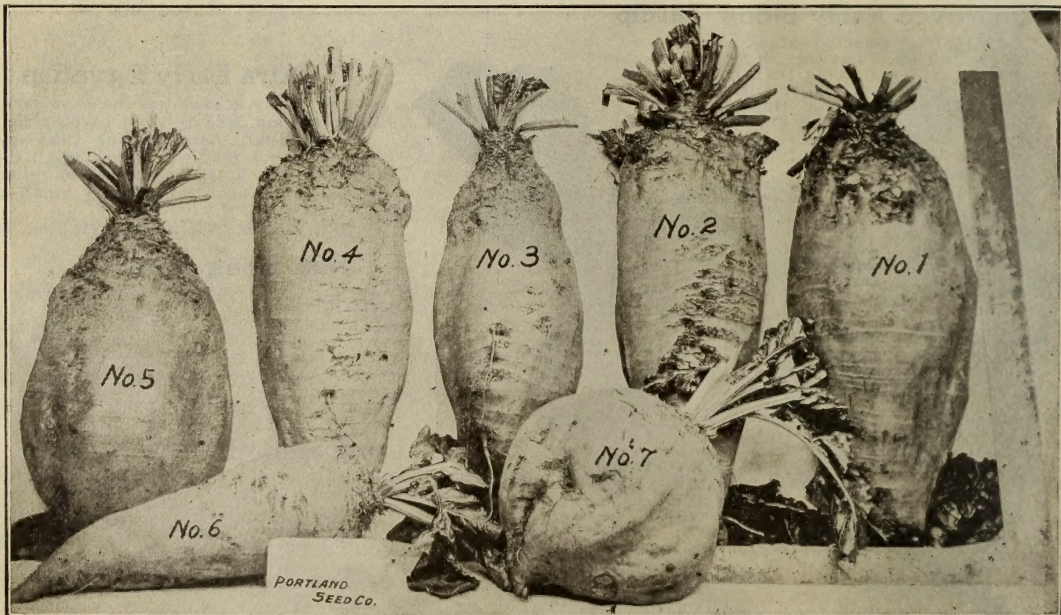
Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained renders it an excellent keeping variety. Well adapted to shallow soils.

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

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.; ¼ lb., 15c.; lb., 35c.



FAVORITE BEETS FOR STOCK FEEDING (from Photograph). See cut numbers and description.

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—New

The Finest Quality of all Broccolis. This new English Broccoli is a winter variety of great merit, coming in about the middle of February. We do not mean the end of March as is too often the case with so-called winter Broccolis. This variety produces large, handsome, firm, solid, white heads that remain in good condition longer than any other sort. A novelty of great value.

Pkt., 20c.; ¼ oz., \$1.00; oz., \$3.00.

LARGE WHITE FRENCH.

A valuable variety, with large, white heads, firm and of good flavor. Pkt., 5c.; oz., 35c.; 2 oz., 60c.; ¼ lb., \$1.00.

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.; ¼ lb., \$1.15.



ST. VALENTINE BROCCOLI—NEW.

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.; ¼ lb., 40c.

FOR PLANTS OF BROCCOLI AND BRUSSELS
SPROUTS, SEE INDEX.



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.; ¼ lb., 20c.; lb., 60c.

Chervil

CURLED.

This plant is used for flavoring soups and salads, and has a strong perfume.

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

We sell thousands of Vegetable Plants. See index for page number.

Cabbage

For Plants see Index

For Plants see Index

CULTURE—The requisites for complete success are: **First**—Good seed. There are no vegetables where the seed has more influence on the quality of the product than in this, 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 deep. Cabbage is universally grown, and specific directions regarding the time and methods 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 eighteen to thirty-six 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.



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

Portland Seed Co.'s FIRST CROP

A 1905 Novelty from Europe.
An Ideal Early Cabbage.

This grand, new cabbage, which we are offering this 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 hearts 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., 40c.; ¼ lb., \$1.25.

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., 45c.; ¼ lb., 75c.; ½ lb., \$1.25; lb., \$2.00.

Second Early Sorts EARLY WINNIGSTADT.

A desirable variety, having conical, solid heads; a sure header under almost any conditions, and keeps better than most early varieties. Fine, and of excellent quality.

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

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 leaves are large, broad, and of peculiar light green color. The heads are oval and very large for the size of the plant, nearly equaling those of the later kinds.

Pkt., 5c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.25.



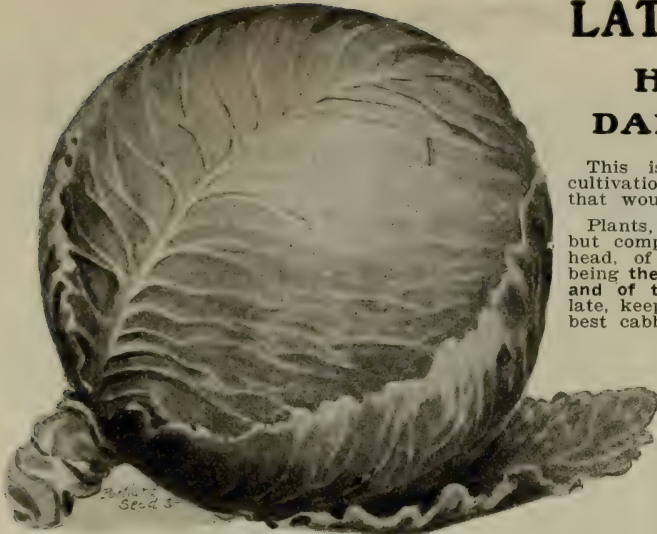
EARLY JERSEY WAKEFIELD.

WELL-KNOWN AND POPULAR 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.	35c.	60c.	\$1.75
Early Drumhead. Heads slightly flattened; do not crack; keep well	5c.	20c.	35c.	60c.	\$1.75
Fottler's Improved Brunswick. The best Early Drumhead in the market	5c.	20c.	35c.	60c.	\$1.75
Sure Head. Sure to head; compact, medium to large	5c.	20c.	35c.	60c.	\$2.00
Succession, or All Seasons. Heads, large, slightly flattened; grow low on the stem	5c.	25c.	35c.	65c.	\$2.00
Charleston, or Large Wakefield. Large and a little later than the Early Jersey Wakefield	5c.	25c.	35c.	60c.	\$2.00

LATE or FALL SORTS

HOLLANDER or DANISH BALL HEAD



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

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

Plants, very hardy, 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., 25c.; 2 oz., 40c.;
1/4 lb., 75c.; lb., \$2.25.

Portland Seed Co.

I had your seed last year and used very fine cabbage, both early and late. I will send for a larger order later on.

MRS. ANNIE KEENEY,
Saginaw, Oregon.

	Pkt.	Oz.	2 oz.	1/4 lb.	Lb.
Premium Late Drumhead. Has no superior in any respect for family and marketing purposes, either for medium, early or late crop.....	5c.	20c.	35c.	60c.	\$1.75
Red Dutch. Used for pickling. The heads are very fine and remarkably sure heading	5c.	20c.	35c.	60c.	\$2.00
Stone Mason Marblehead. Large variety, sure to head; fine-grained, tender, sweet and delicious	5c.	20c.	35c.	60c.	\$2.00
Marblehead Mammoth Drumhead. The largest variety known; hardy, good keeper, but coarse	5c.	20c.	35c.	60c.	\$2.00
Improved American or Netted Savoy. Adapted for private use, where quality, rather than quantity, is desired.....	5c.	20c.	35c.	60c.	\$1.75
Drumhead Savoy. Large, compact head; tender and excellent; rich flavor ..	5c.	20c.	35c.	60c.	\$1.75

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.; 1/4 lb., 60c.; lb., \$1.75.

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.; 1/4 lb., 60c.; lb., \$2.00.

CABBAGE PLANTS.

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



AUTUMN KING OR WORLD BEATER.



PREMIUM LATE FLAT DUTCH.

Portland Seed Co.

Gentlemen: My cabbage done extra fine this year. It was large enough to use ninety days from time seed was sown. Yours truly,

MRS. HATTIE SMITH,
Gold Hill, Oregon.

Portland Seed Co.

February 21, 1905.

Gentlemen: The premium seeds you sent me last year were fine. We have bought seed of you for seven years and always find you reliable. Enclosed you will find my order for this season. Yours truly,

MRS. J. H. DANIEL,
Corvallis, Oregon.

Carrots

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.

✓ EARLIEST SHORT HORN, OR FRENCH.

The earliest variety in cultivation, and best suited for forcing. Roots, reddish brown, globular and about two inches in diameter; should be used before full grown. . . Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

✓ 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., 30c.; lb., 85c.

✓ 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., 70c.

✓ Danvers 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., 25c.; lb., 70c.

✓ 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; a variety we can recommend to all market gardeners.

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

Four Good and Productive Stock Carrots

✓ PORTLAND SEED CO.'S IMPROVED LONG ORANGE.

The most popular of the older sorts 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., 20c.; lb., 65c.

✓ 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. This new Carrot is 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 your butter.

Every dairyman who wants a big crop of carrots of the right quality and easy of culture should plant our Yellow Giant. Pkt., 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

✓ IMPROVED SHORT WHITE.

Ranks first 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, pure white below; flesh rich, white, solid, crisp and of excellent flavor.

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

✓ 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., 50c.

5-lb. lots of one kind carrot 5c. less per lb.



CHANTENAY.

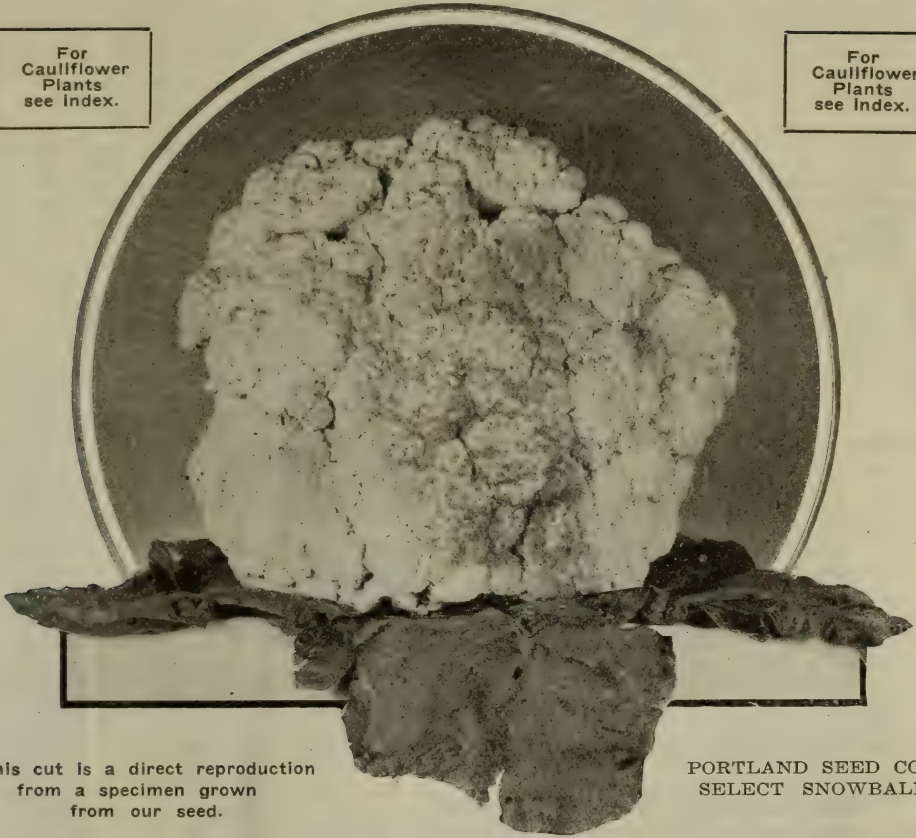


Port-Seed ©

Cauliflower

For
Cauliflower
Plants
see index.

For
Cauliflower
Plants
see index.



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.

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.; ½ oz., \$2.00; oz., \$3.50.

EARLY SNOWBALL.

Ordinary strain.

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

EARLY PARIS.

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

Pkt., 5c.; oz., 75c.; 2 oz., \$1.25; ¼ lb., \$2.00.

Better Than the Rest

Portland Seed Co. March 27, 1905.

Dear Sirs: We have tried other Co.'s Cauliflower seeds but none have given as good satisfaction as Portland Seed Co.'s Mt. Hood Snowball. We raised Cauliflower 14 in. in diameter that was as sweet and nice as any I ever used. Yours truly,

F. EASTMAN, Glenburn, Calif.

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 Kainit 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.; ¼ oz., 65c.; oz., \$2.00.

EARLY ERFURT.

Ordinary strain.

Pkt., 5c.; oz., 75c.; ¼ lb., \$2.50.

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; ¼ lb., \$2.50.

VEITCH'S AUTUMN GIANT.

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

Pkt., 5c.; oz., 50c.; 2 oz., 90c.; ¼ lb., \$1.50.

For Plants see Index

Celery

For Plants see Index

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 autumn. Never hoe up the earth when plants are wet. One ounce of seed produces about two thousand plants.

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.	15c.	50c.	\$1.75
Perfection Heartwell. The finest and largest of winter varieties.	5c.	20c.	50c.	\$1.50
Pink Plume. The same as White Plume, except in color.	5c.	20c.	60c.	\$2.00
Celery Seed. For flavoring.	10c.	15c.		\$0.35

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.

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., 50c.; ¼ lb., \$1.60.

One grower reports: "Snow White is the finest celery of the white type I ever saw. I set 3000 plants and found only one stalk that was not pure white."

New Celery, "Winter Queen"

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. Ribbs perfectly solid, crisp and of 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., 40c.; 2 oz., 75c.; ¼ lb., \$1.25.



GOLDEN YELLOW. SELF-BLANCHING.

Portland Seed Company.

Gentlemen: I have used your seeds for the past seven years and they have given satisfaction. MRS. T. BOOTH, Shelton Wash.

Sirs: I have used your seeds for two years and found them to be better for this climate than Eastern seeds. LEE WEIR, Centralia, Wash.



NEW CELERY, SNOW WHITE.

We supply Celery Plants by the thousand. See index for page.

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. Sprinkle the young plants with fine ashes, plaster or air-slaked lime, to protect them from bugs. 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 fruitfulness. The fruit should be carefully shaded, as exposure to the sun causes the flesh to become bitter and tinted with green. When preparing cucumbers for the table all flesh so affected should be removed.

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.; 1/2 lb., 30c.; lb., 90c.



BOSTON PICKLING.

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.; 1/4 lb., 35c.; lb., \$1.00.

EARLY 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. Our stock is very superior.

Pkt., 5c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.00.

EARLY RUSSIAN.

Earliest and hardiest. Vine 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.; 1/4 lb., 35c.; lb., \$1.00.

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., 15c.; 1/4 lb., 35c.; lb., \$1.00.

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.; 1/4 lb., 35c.; lb., \$1.00.

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.; 1/4 lb., 50c.

GHERKIN FOR PICKLING.

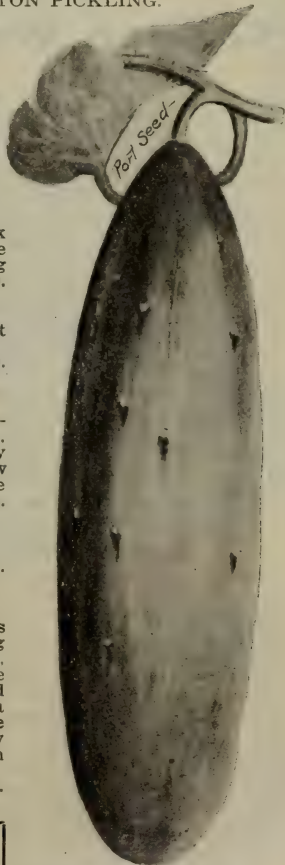
A very small, oval, prickly variety, quite distinct from all others.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.

New Cucumber—"CUMBERLAND"

A distinct variety which is especially desirable for pickling. The vines are hardy, of strong, vigorous growth and fruiting very freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are equally attractive for making small gherkins, medium sized or large pickles. Cumberland originated from a cross of the slender, thickly spined Paris Pickling and the popular White Spine, and in color is a dark pea green. The straight young fruits possess the distinctly roughened surface so much desired for small pickles. The large fruits when allowed to grow average nine to ten inches in length, two and a half inches in diameter, with full, rounded ends, and are of excellent quality for slicing.

Pkt., 10c.; oz., 20c.; 1/2 lb., 60c.; lb., \$2.00.



BEST LONG GREEN.

Portland Seed Co.

OUR SEEDS O. K.

January 25, 1905.

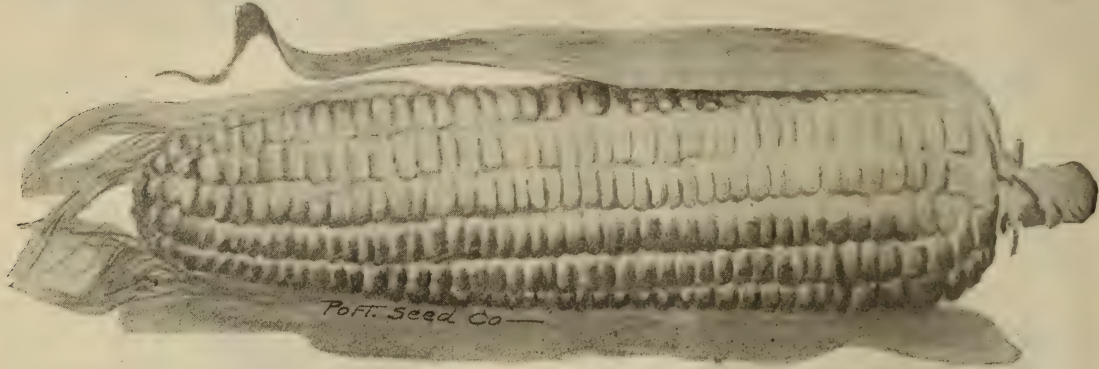
I ordered seed of you last year and was more than pleased.

MRS. JNO. GEORGE, Crescent City, Cal.

Corn—Sweet or Sugar

In ordering by mail add 10 per lb. for postage. Prices in quantity on request.

CULTURE—Select a warm soil, if possible, especially for the earlier varieties, which should not be planted before the middle of May. Successive plantings should be made every two weeks till July. Plant in hills, three or four feet apart, in thoroughly manured soil. One quart to two hundred hills; ten quarts to an acre.



PEEP O' DAY SWEET CORN.

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., 15c.; lb., 30c.; 10 lbs., \$2.00.

Golden West

New

The sweetest and richest corn ever grown. This season we offer our customers a distinct novelty in a sweet corn, which we have christened Golden West. It is the earliest of all early sweet corns; the sweetest, most tender and delicious ever tasted. We are sure it will meet with the approval of all our customers, and we would like to have reports at the end of the season.

Golden West Corn can be planted earlier than most sweet corns and will produce ears for the table earlier than any. Highly recommended for the home garden. Stock limited this year. Order early.

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

SWEETEST AND BEST.

Portland Seed Co.

Your Golden West Sweet Corn is certainly the sweetest and finest early corn I ever raised. The golden ears are handsome and of fine flavor.

F. W. MILLER, Portland, Oregon.

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 in 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.

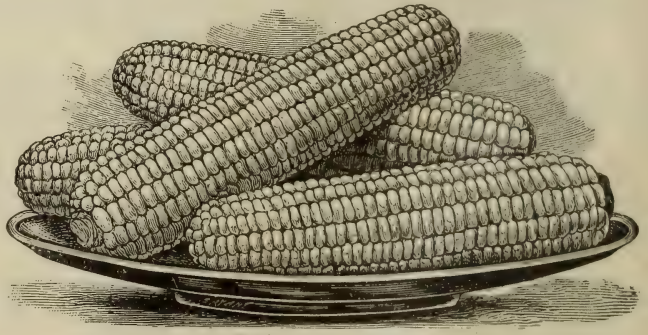
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

In ordering corn by mail do not forget to add 10c. per lb. for postage.

Mammoth Early Cory Most Popular Early Sweet Corn

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 twelve-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 gives it ready sale, even when the market is over-stocked.

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



GOLDEN WEST.

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 one 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., \$1.20.

Early Minnesota

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

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

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.

We sell Corn and Potato Planters; see page 59.

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.	1.20
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.	1.10
Old Colony. Large growing variety, much prized	10c.	.90
Fodder Sweet Corn. Mixture for soiling and green fodder	10c.	.80
White Rice. Best variety of popping corn	10c.	.80

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 59—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 dairy-men on account of the great amount of green feed it makes.

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

STANDARD VARIETIES.

Per lb. Per 10 lbs.

Early Canada (Flint). An eight-rowed Yellow Flint Corn; early and very productive	10c.	55c.
King Philip. An early Red Corn; well acclimated and well known	10c.	65c.
White Cap Yellow Dent. Suitable for all climates where corn can be expected to grow	10c.	55c.
Leaming. (Early). Corn yellow; grain small; weighty; productive	10c.	55c.
Early White Flint. Productive, early and of beautiful appearance	10c.	60c.
Wisconsin White Dent. A yellowish white dent, of extreme earliness	10c.	55c.

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.

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.



CELERIAC

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.



ENDIVE.

Egg Plant



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

EARLY LONG PURPLE.

The earliest and hardiest, very productive; fruit from 6 to 10 inches long.
Pkt., 5c.; oz., 30c.; ¼ lb., 85c.

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.

For EGG PLANTS, see Vegetable Plants, page—.

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 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 —.

NEW YORK IMPROVED. Don't Overlook

The fact that we offer very select stock of new
Oats and Potatoes; see pages 55-56-58-59.

Kohl Rabi

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. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

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.

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.

Portland Seed 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., 35c.; ¼ lb., 75c.

TALL GREEN CURLED SCOTCH.

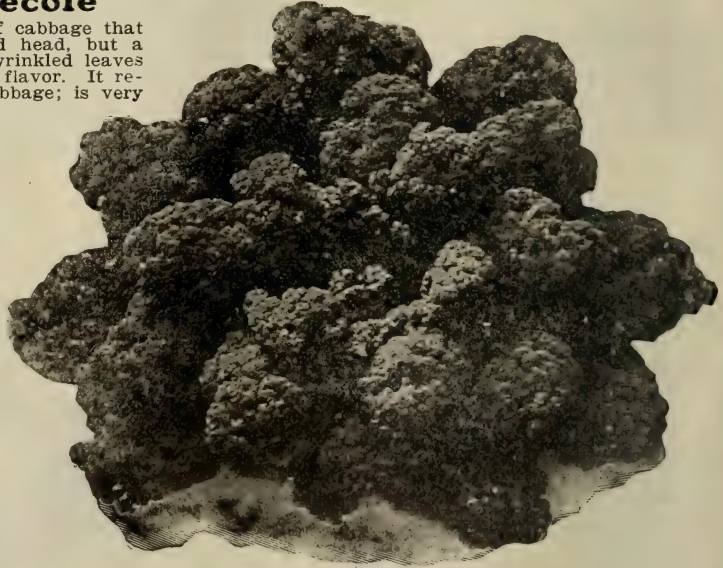
Grows about two feet high; leaves dark green, curled and wrinkled; very hardy, and is improved by a light frost.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

THOUSAND HEADED.

A very large Kale growing from 3 to 5 feet high and producing large curly leaves. Used extensively for feeding green to cows.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 75c.



EMERALD ISLE (from Photograph).

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



LARGE ROUEN
LEEK.

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.

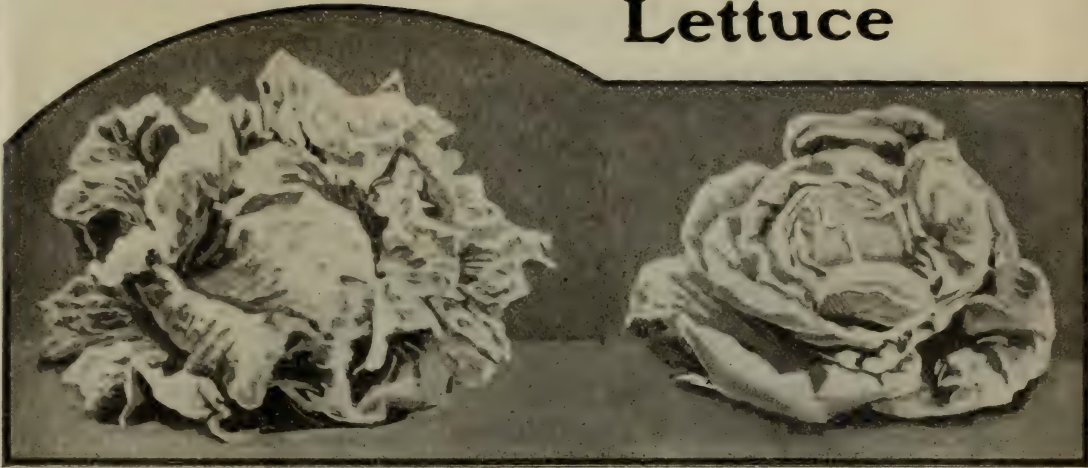
A large, favorite, American sort. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

MONSTROUS CARENTON.

Rather larger than the Flag, but very tender and mild on account of its rapid growth. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.

It pays well to use Fertilizer. Our twenty-page 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 this season for the first time, 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., 75c. lb., \$2.00.

Henderson's Immensity

The largest Head Lettuce in the world. As good as it is large. A luxuriant grower, consequently tender, sweet and crisp.

Immensity is a gigantic Lettuce with an enormous solid head. The plant and head are not only of phenomenal dimensions, but also of the finest quality, even the outer leaves being tender. It is one of the slowest to run to seed that we have ever seen, and maintains that crispness of texture and sweetness of flavor that will surely make it very popular. It is an excellent variety for early spring, as it has good heat resisting qualities which carry it safely through the most trying seasons. 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., 25c.; ¼ lb., 70c.

Portland Seed Company. March 10, 1905.

Gentlemen: The lettuce I raised last year of your Prize Head was the prettiest I ever saw. Thanks for the many premium packets I received. Yours truly,
BEECHER CROUCH,
 North Bend, Oregon.

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, the 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.

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., \$1.00.



PRIZE HEAD.

Early Prize Head

This old, standard sort still stands at the head 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. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

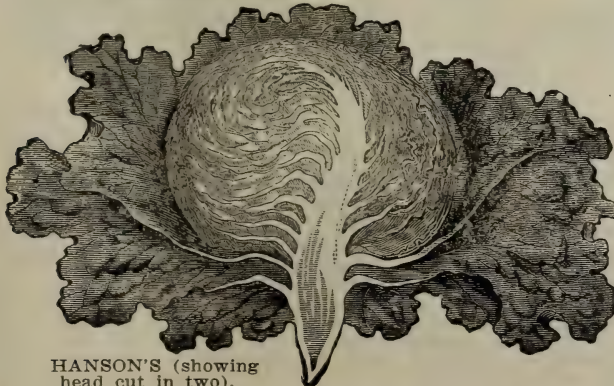
Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.

Hanson

The Leading Head Lettuce.

(Improved Hard-heading Stock.) We can recommend this as one of the very best. Heads green outside and white inside; grows to a remarkable size, very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

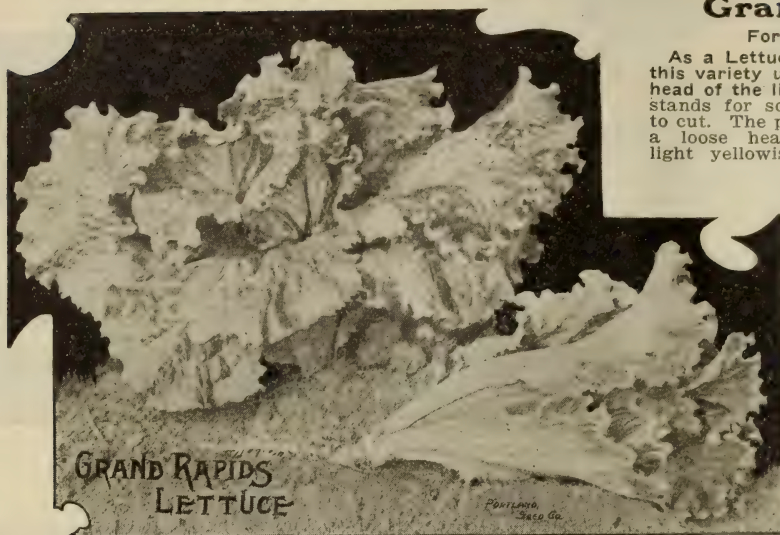
Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.



HANSON'S (showing head cut in two).

For Hand Weeders, Trowels, Knives, Shears, etc., see page 63.

Lettuce—Continued



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.

NITRO-CULTURE.

Greatest discovery of the century. See p. 32.

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., \$1.00.

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.

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., 30c.; lb., 90c.

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.

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., 30c.; lb., \$1.00.

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., 35c.; lb., \$1.00.



NETTED GEM.

Muskmelons

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.

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., 30c.; 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., 90c.

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., 75c.; lb., \$2.50.

Paul Rose, or Petoskey

Something new; 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.

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
Early Baltimore, or Acme. Early, oblong, pointed; flesh light green, sweet	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
Bay View. Large; flesh green, sweet and delicious	5c.	20c.	50c.	1.50

Watermelons

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.

FERRY'S ICEBERG.

A handsome, new melon; has a very hard, firm rind, making it a good shipper. Flesh rich, tender and sweet. Pronounced by some to be the best dark colored shipping melon yet produced.
Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

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. A most delicious melon for home use. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



KLECKLEY'S SWEET (MONTE CRISTO).

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., 70c.

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; is one of the best for market and home purposes.

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

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.	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.	20c.	60c.
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.

PHINNEY'S EARLY.

A valuable variety for use in the North; hardy and a sure cropper. Vines vigorous and productive, fruiting quite early. Fruit medium sized, oblong, smooth, marbled with two shades of green; rind thin; flesh pink, very sweet, tender and crisp.

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

Sweet Heart

A Handsome and Profitable Melon.

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. Our stock is the very best.

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

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 60 to 60 degrees through the winter.

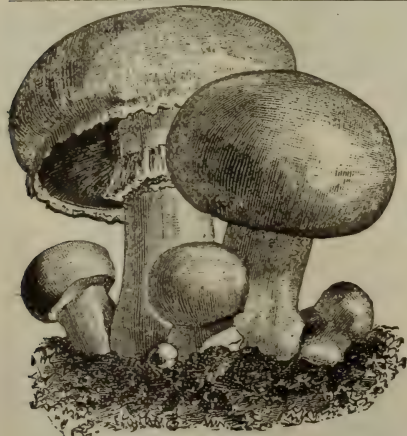
LAMBERT'S PURE CULTURE.

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 lb., 20c.; postpaid, 30c.

FRENCH.

Put up in 3-lb. boxes, by express, \$1.50. The same, loose, 60c per lb., postpaid.



Mushroom Culture

We furnish a four-page pamphlet free; a small booklet for 15c; a complete book for \$1.10.

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.

PUREST SEEDS**Onions****HIGHEST TEST**

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 previous. Sow as soon as ground can be prepared in the spring.

The best that grow.

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



OREGON YELLOW DANVERS (from Photograph).

ALL GOOD.

Portland Seed Company:

Gentlemen: From the pound of Onion Seed obtained from you last year, I grew 125 sacks. There was not a scullion or an off-colored onion in the whole patch. Yours truly,

W. A. PERRY,
Van Buren, Wash.



AUSTRALIAN BROWN.



RED WETHERSFIELD (½ size).

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.

Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.25.

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., 15c.; ¼ lb., 35c.; lb., \$1.30.

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., 15c.; ¼ lb., 40c.; lb., \$1.25.

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., 15c.; ¼ lb., 40c.; lb., \$1.25.

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., 25c.; ¼ lb., 45c.; lb., \$1.40.

Every one who plants Onion Seed in quantity should have a good Seed Drill. They soon pay for themselves in seed and labor saved. See pages 60-61-62.

All who buy Onion Seed in large quantities should write us for special prices.

Onions—Continued



PRIZETAKER.

Pays at Both Ends

A good Seeder is one of the most important farm garden tools. It "pays at both ends"; saves labor and seed in planting, it saves work and trouble in hoeing. It also makes a more even and therefore larger crop. Planet Jr.'s are the best. See pages 60 and 61.

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., 45c.; lb., \$1.40.

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., 20c.; ¼ lb., 60c.; lb., \$1.75.

WELL-KNOWN, POPULAR ONIONS.

	Pkt.	oz.	¼ lb.	lb.
Yellow Danvers. Largely planted. Flesh fine grained; mild; white; good keeper...	5c.	15c.	35c.	\$1.00
Extra Early Barletto. A small, pure white, mild onion; fine for pickles	5c.	20c.	60c.	\$2.00
White Globe. Flesh very white, fine, rich and sweet; fine keeper	5c.	25c.	70c.	\$2.00
Giant Rocca. Large, globe shaped; skin reddish brown; flesh mild, sweet flavored.	5c.	20c.	60c.	\$1.75
Mammoth Silver King. Very large and attractive; skin white; flesh fine grained and mild	5c.	20c.	60c.	\$2.00
Queen. If sown thick, produces small, very firm bulbs, the best of all for pickling; if given more room, matures an excellent onion that will keep all winter	5c.	20c.	60c.	\$2.00

Onion Sets

BOTTOM ONION SETS.

Small onions grown from seed that has been sown too thick 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 direct 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 spin; 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., 50c.



TRIPLE CURLED PARSLEY.

For Free Premiums, see inside front cover.

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.

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 four to two and one-half feet high, unbranched, bearing two 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.

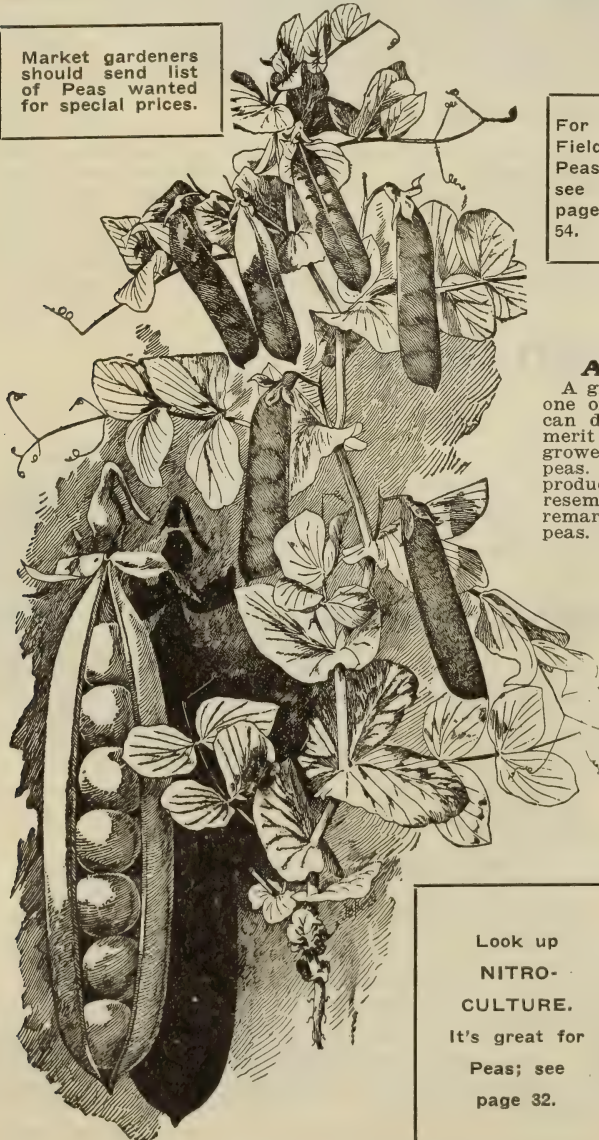
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

First and Best

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

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

Market gardeners should send list of Peas wanted for special prices.



ALASKA.

For Field Peas, see page 54.

Look up
NITRO-
CULTURE.
It's great for
Peas; see
page 32.



EDWARD VII.

Edward VII

A Delicious New Early Pea

A grand, new, early, dwarf Pea grown for us by one of the greatest pea growers in Europe. You can depend on it, this new variety is of special merit or it would not be recommended by our grower who has gained a national reputation on peas. Of all the early dwarf peas, Edward VII produces the largest pods and more of them. Pods resemble Strategem in color and size and are remarkably well filled with deliciously flavored peas. Height, 15 inches. Stock limited this year.

Pkt., 15c.; 1/2 lb., 20c.; lb., 35c.

American Wonder

The earliest and best of the wrinkled sorts. A great favorite for family use. Has stout, branching vines, about nine inches high, and covered with well filled pods containing seven or eight large, exceedingly sweet, tender and well flavored peas. Dry peas, medium size, much wrinkled and flattened, pale green.

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

McLean's Little Gem

A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller and continues in bearing longer. The quality of the pea is very superior. Height, 15 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 fully as early as the smooth peas; grows vigorous and healthy; vines 2 1/2 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.

McLean's Advancer

Favorite with Cannerymen.

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

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.15.

Gardeners who buy Peas in quantity should send list of amount wanted for special prices.

Peas—Continued

Add 10c. to lb. prices if wanted by mail.

Nott's Excelsior

The best early dwarf pea. 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 out-yields them 20 to 30 per cent. The pods are one-third longer, and each pod contains from six to nine large peas, which are usually 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.

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.

Portland Seed's 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. You will not be disappointed in the new variety. Try a packet at least. Pkt., 15c.; 1/2 lb., 25c.; lb., 40c.

FOR FIELD PEAS

See Page 54

PORTLAND SEED CO.'S
MAGNIFICENT.

Save time, money and labor by using a Planet Jr. Combined Seeder and Cultivator. 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 two and a half feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

CHAMPION OF ENGLAND.

Very rich and fine flavored; very productive; wrinkled; height, 4 to 5 feet.

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

Improved Strategem

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.

Melting Sugar

The kind that has sweet, broad pods, and are used the same way as snap or string beans. This is the most popular of the edible podded varieties. The pods are large, straight, very tender and finely flavored. Vines medium height.

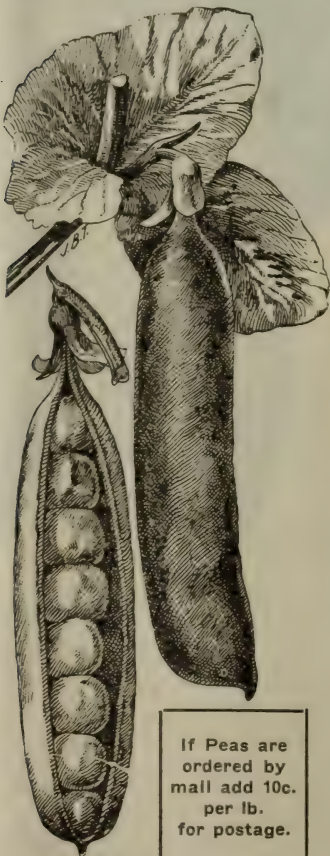
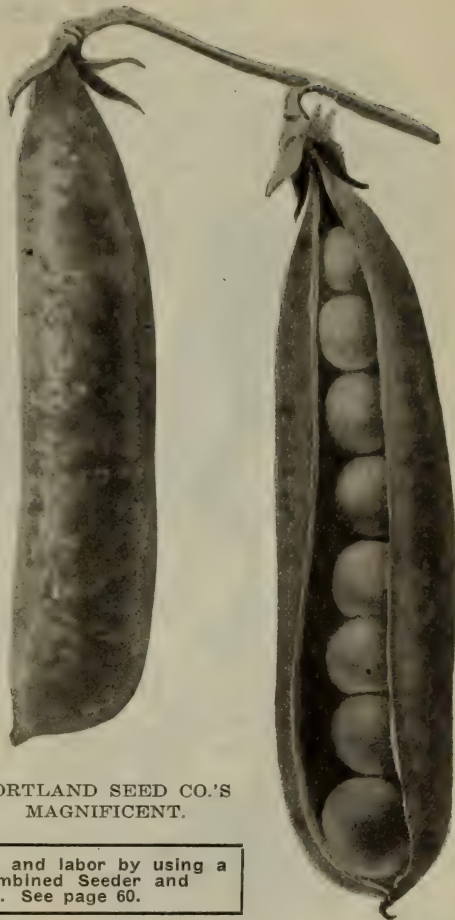
Pkt., 10c.; lb., 25c.

GIANT SUGAR.

Taller and larger than the above kind.

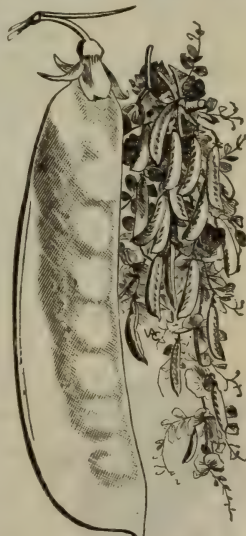
Pkt., 10c.; lb., 25c.

MELTING SUGAR.



If Peas are ordered by mail add 10c. per lb. for postage.

NOTT'S EXCELSIOR.



Gardeners who buy Peas in quantity should send list of amount wanted for special prices.

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, for canning or for market purposes.

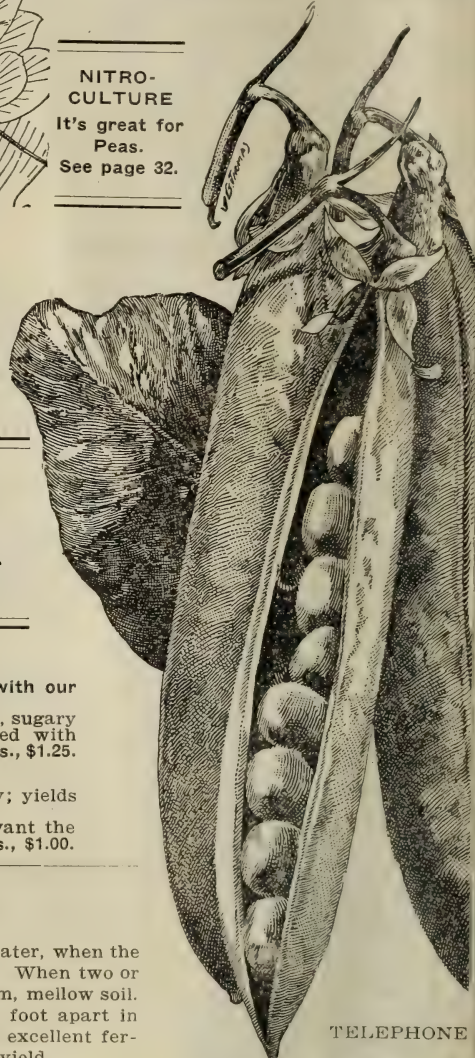
Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.



P. S. CO.'S PERFECTION.

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

By mail,
10c.
per lb.
extra for 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, delicious peas; height, 4 feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

BLACK-EYED MARROWFAT.

A smooth, light colored pea with a black eye; very hardy; yields heavily; height, 3 feet.

Note—Some buyers ask for Marrowfat Peas when they want the large sweet wrinkled sorts. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

Pepper

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



CAYENNE.



RUBY KING.

	Pkt.	Oz.	¼ lb.
Ruby King. Very large, sweet and mild; bright scarlet.....	5c.	25c.	75c.
Large Bell or Bull Nose. Large, mild, thick fleshed variety. One of the best for stuffed pickles	5c.	25c.	65c.
Golden Dawn. Bright, golden yellow; very productive; entirely free from fiery flavor	5c.	25c.	75c.
Sweet Spanish or Mountain. Of the largest size; bright scarlet. Excellent for pickling and stuffing	5c.	25c.	75c.
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.	25c.	75c.

For Pepper and all Vegetable Plants, see index for page.

For premiums and specials see inside front cover.

Pumpkins

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.

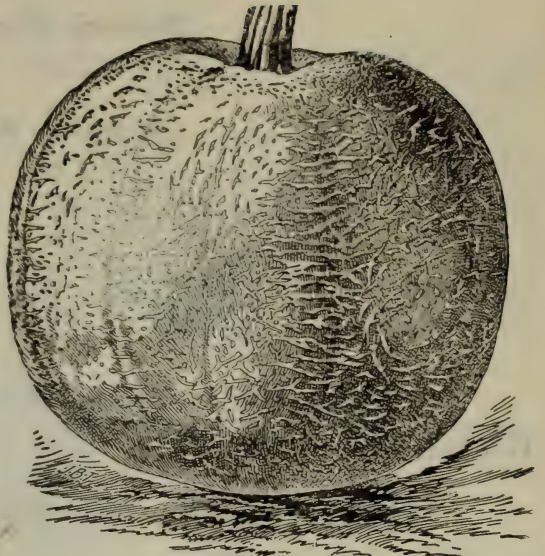
Large, round; deep, glossy yellow. Vines vigorous and very productive; good keeper. Grown extensively for stock feeding.

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.



WINTER LUXURY.

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.

Giant of All

A new imported variety and a giant among the 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 the prizes at your county fairs.

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.

Parsnips

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 fifteen inches apart, on deeply cultivated, rich, loamy soil. Keep clear of weeds, and thin to three or four inches apart. The roots are improved by freezing.

LONG WHITE DUTCH, OR SUGAR.

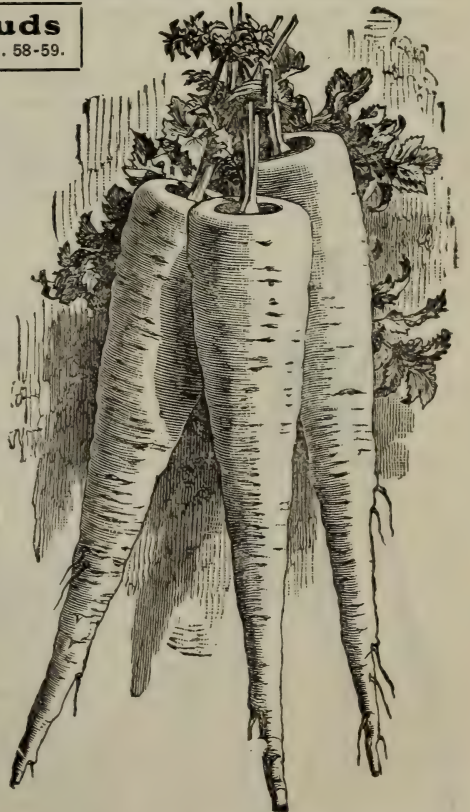
Root very long, white, smooth, tender, sugary, and of most excellent flavor. Very hardy; will keep through winter without protection.

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.



HOLLOW CROWN.

Spuds
See pp. 58-59.

Seed Potatoes

You will find Seed Potatoes described and priced on pages 58 and 59. This year our stock of Seed Potatoes is larger than ever, and stock is unusually fine. Be sure you look over our list before you send in your order.

A Few Reports

Portland Seed Company.

May 5, 1905.

Gentlemen: I bought my garden seeds of you this year and they all proved perfectly satisfactory. Yours truly, S. E. WHITTEN, Skamokawa, Wn.

December 23, 1904.

Gentlemen: The seeds purchased from you last year were perfectly satisfactory in every respect, and we feel that more of the same sort are desirable. Very truly yours,
B. E. SPENCER, Ashland, Ore.

Portland Seed Company.

March 25, 1905.

Gentlemen: I have received the seeds and plants all O. K., and will say that I am well pleased with them. Many thanks for your prompt attention and the extras you sent. I remain, yours truly,
D. A. WALKER, Carlton, Ore., R. 1.

June 9, 1905.

Gentlemen: I have had several orders from your house during the last few years and they have all done well. Yours truly,
MRS. FRED GARRISON, Sumas, Wn.

For Ruta Baga See Page 31

Rape, Dwarf Essex For Description and Price See Page 56

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 index.



RHUBARB.

All Very Fine

Portland Seed Company, Portland, Oregon.

September 20, 1905.

Gentlemen: Last spring I got three ounces of Yellow Giant Carrot Seed and now have a fine stand. They are all you claim for them, and of enormous size. All the seeds I got of you did fine. I have several Mangle Wurzels which will weigh 30 lbs. apiece, which is the largest ever grown in this high altitude. Am well pleased and will give you my orders in the future.

Yours respectfully,

ERNEST E. PARKER, Upton, Cal.

Radishes

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.

Three Excellent New Radishes 1 Pkt. Each 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., 35c.; lb., \$1.00.

✓ 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 and 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., 50c.; lb., \$1.50.

✓ 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., 35c.; lb., \$1.00.

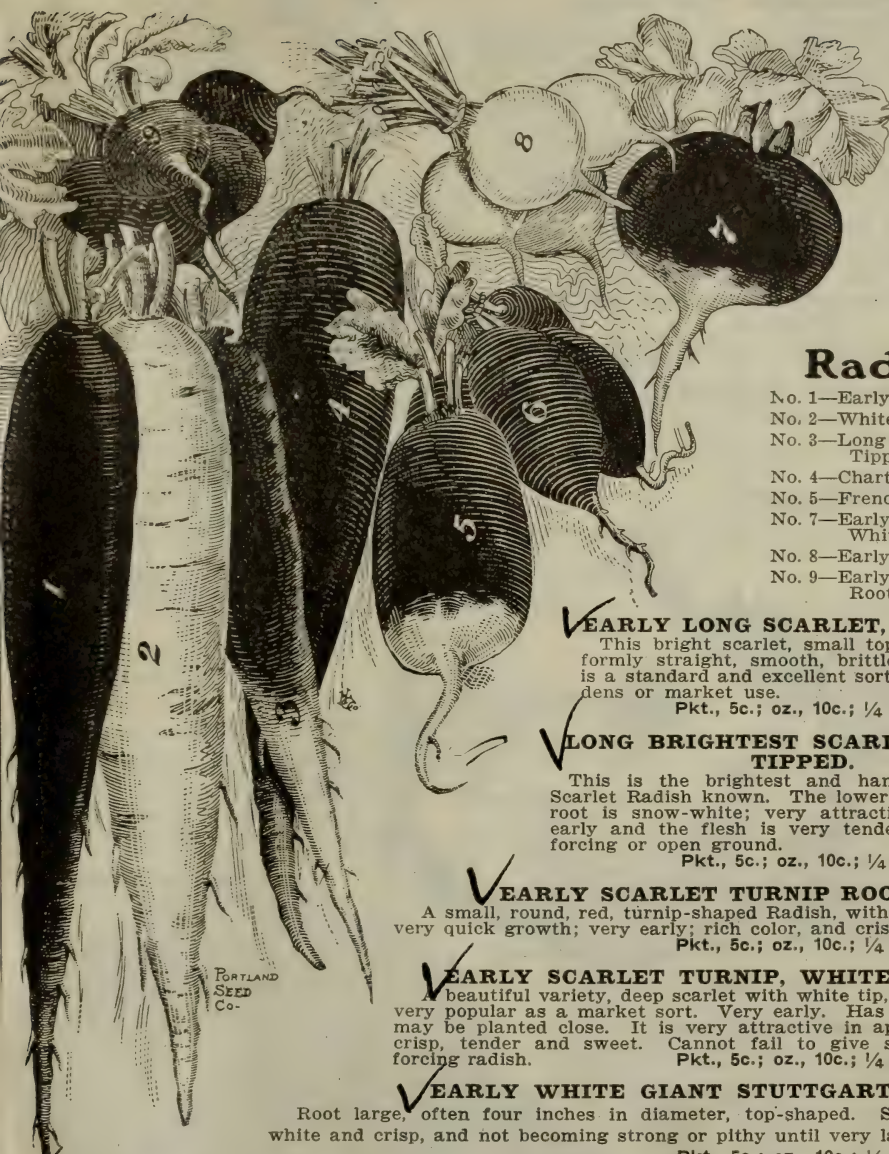


WHITE ICICLE.

You get \$1.25 worth of Seeds for \$1.00; see inside front cover.

Radishes—Continued

One Packet Each of our three New Radishes for 20c. See opposite page



Radishes

- No. 1—Early Long Scarlet.
- No. 2—White Strasburg.
- No. 3—Long Scarlet, White Tipped.
- No. 4—Chartier.
- No. 5—French Breakfast.
- No. 7—Early Scarlet Turnip White Tipped.
- No. 8—Early Snowball.
- No. 9—Early Scarlet, Turnip Rooted.

✓ **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 one-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.

✓ **EARLY SCARLET TURNIP ROOTED.**
 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 close. 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.

✓ **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.

✓ **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.

✓ **FRENCH BREAKFAST, OR HALF LONG.**
 Medium size, of 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.

✓ **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 the 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.

✓ **LONG BLACK SPANISH.**
 A long, black-skinned variety; flesh white and slightly pungent. One of the latest and hardiest.
 Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ **ROUND BLACK SPANISH.**
 Skin black; roots globe shaped; white fleshed and pungent flavor.
 Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Portland Seed Company. May 21, 1905.
 Gentlemen: The seeds and plants arrived as per order all O. K. Many thanks for the premiums. Yours truly, HORACE GOSS, Addy, Wn.

Squash

Summer Varieties

CULTURE—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight to ten. Three plants are sufficient to a hill.

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 color 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.



MAMMOTH SUMMER CROOKNECK.

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.

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.



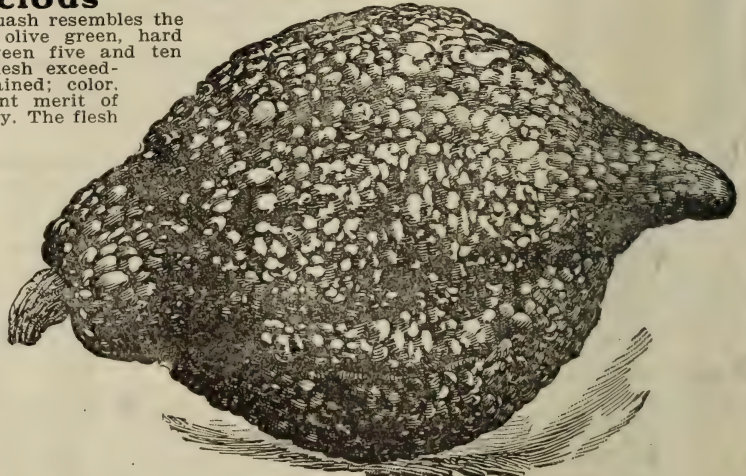
BUSH SCALLOP SQUASH.

New Delicious

This new fall and winter Squash resembles the old Hubbard, having a dark olive green, hard shell; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The paramount merit of this variety is surpassing quality. 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., 15c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.

True Hubbard

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior for winter use, as it keeps perfectly through the winter. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.



TRUE HUBBARD SQUASH.

Golden Hubbard

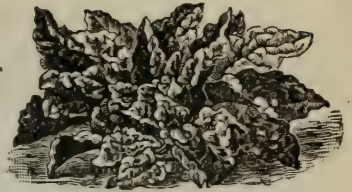
The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. Considered by expert judges to be one of the very best fall and winter sorts yet introduced. Matures before the frosts; is vigorous and wonderfully productive. In flavor it has no equal. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

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.



SPINACH.

✓ FOUR GOOD SORTS ALL AT ONE PRICE. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

✓ **Victoria.** Leaves large, tender and of good quality; good market sort.

✓ **Long Standing.** An improved variety for general use; slow going to seed.

✓ **Prickly Winter.** Hardest variety; may be sown in the fall; seed prickly; leaves long, pointed, thick and succulent.

✓ **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., \$1.25.

LARGE WHITE.

An early kind; tender and excellent. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10.

Sorgham or Sugar-Cane

See page 57.

Sunflower

See page 57.

Tobacco

Sow the seed thinly in beds, as early as they can well be 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. Tobacco Plants in season. See index for page.



FORDHOOK'S FIRST.

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.

Tomatoes

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.

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., 40c.; ¼ lb., \$1.25.

Early Michigan

An extremely smooth and perfectly shaped Tomato; very early; vines strong and vigorous. Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

Fordhook First

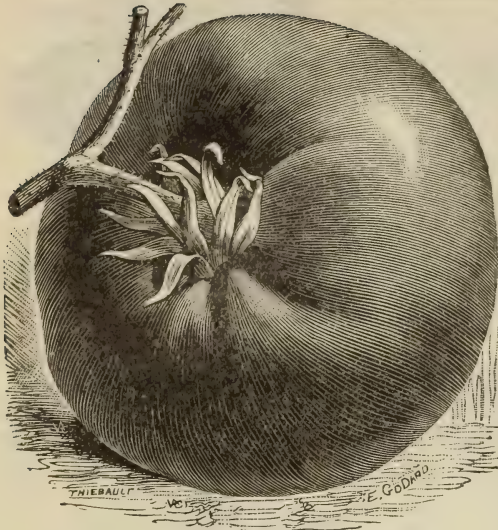
A splendid variety, especially adapted for cool, moist or heavy soils. Plants of strong, running growth; fruit, three inches in diameter, perfectly smooth and free from cracks; quite thick through and richly colored deep purple. Very fleshy and of the finest flavor. Produces smooth, solid, handsome fruit 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.	\$0.75
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.	\$0.75
Livingston's Favorite. Excellent for general crop; bears heavily	5c.	20c.	\$0.75
Red Pear, Yellow Plum, or Red Cherry. Small; shape of fruits named	5c.	30c.	\$0.75

New Book—Tomato Culture—Western, by Littooy; only 40c postpaid.

Tomatoes—Continued



NEW STONE.

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.

The above claims may seem strong, but they have been abundantly proved by thousands of planters who have grown this grand tomato, since its introduction three years ago.

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., 65c.; 1/4 lb., \$2.00.

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 saleable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding properties, its unequalled firmness, or some other of its good points.

Pkt., 5c.; oz., 20c.; 1/4 lb., 70c.

NEW MAGNUS.

Fruit very smooth, dark red, heavy and solid. Ripens very early and does not crack. No hard core; quality unsurpassed; a strong, vigorous grower and heavy cropper.

Pkt., 5c.; oz., 30c.; 1/4 lb., 90c.

Tomato Plants

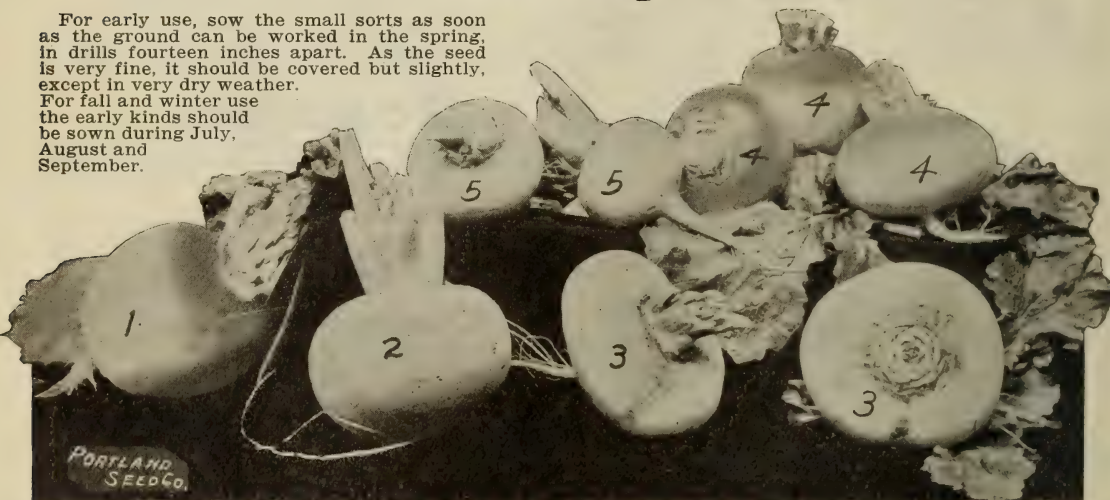
We have, in season, strong, hardy plants. See price list of Vegetables Plants, in index.

25c WORTH OF SEEDS FREE

with every \$1.00 sent for Seeds in Packets and ounces See inside front cover. Remember, in packets and ounces only.

Turnips

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.



No. 1—Purple Top White Globe. No. 2—Yellow Aberdeen. No. 3—White Flat Dutch. No. 4—Purple Top Strap Leaf. No. 5—Orange Jelly.

✓ Extra 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., 15c.; 1/4 lb., 30c.; lb., 90c.

✓ WHITE MILAN.

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

Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.

✓ Early White Flat Dutch

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

Pkt., 5c.; oz., 10c.; 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.)

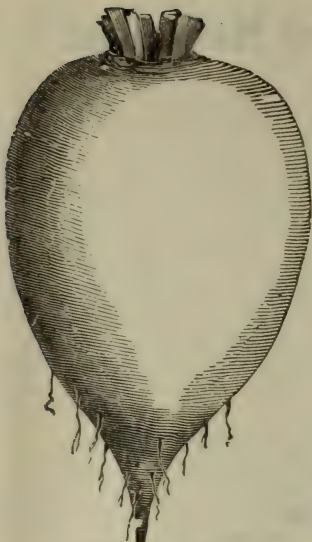
Pkt., 5c.; oz., 10c.; 2 oz., 15c.; 1/4 lb., 20c.; lb., 60c.

✓ 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.; 1/4 lb., 20c.; lb., 65c.



WHITE EGG.

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.; ¼ lb., 20c.; lb., 60c.

Turnips—Continued

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, page 30).

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

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.; ¼ lb., 20c.; lb., 60c.

LARGE WHITE FLAT NORFOLK.

A round, flat, 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.; ¼ lb., 20c.; lb., 60c.

Portland Seed Company.

April 12, 1905.

Gentlemen: The White Egg Turnips that I raised from your seed last season took first prize at the County Fair at Eugene, Lane County, Oregon. Your seed is always good.

G. M. KIRK, Walton, Ore.

Ruta Bagas, or Swedes

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.

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



PURPLE TOP RUTA BAGA.

Tree Seeds

NURSERY 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., 30c.; lb., 75c.

CHERRY PITS, MAZARD.

(Cerasus.) Oz., 10c.; ¼ lb., 15c.; lb., 40c.

CHERRY PITS, MAHALEB.

Oz., 10c.; ¼ lb., 25c.; lb., 85c.

PEACH PITS.

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

PEAR SEED.

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

PEAR SEED—Native.

Oz., 20c.; ¼ lb., 50c.; lb., \$2.50.

PLUM PITS.

(Prunus Myrabolano.) For nursery stock.

Oz., 10c.; ¼ lb., 25c.; lb., 65c.

QUINCE SEED.

Oz., 20c.; ¼ lb., 50c.; lb., \$2.00.

BOX ELDER, OR ASH LEAF MAPLE.

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

HORSE CHESTNUT.

Lb., 35c.

LOCUST, YELLOW OR BLACK.

Oz., 10c.; ¼ lb., 20c.; lb., 50c.

LOCUST, HONEY.

Oz., 10c.; ¼ lb., 20c.; lb., 60c.

WALNUTS, ENGLISH.

Lb., 85c.

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 blossom, 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 pkt.

	Oz.	¼ lb.	Oz.	¼ lb.
Anise. Seeds aromatic	10c.	\$0.25	Lavender. For fragrance	20c. 50c.
Balm. For culinary purposes	25c.	\$0.65	Marjoram. Sweet	15c. 50c.
Basil—Sweet	15c.	\$0.45	Rosemary. Aromatic oil	30c.
Borage. Leaves for flavoring	15c.	\$0.40	Rue. Medicinal qualities	20c. 50c.
Caraway. For flavoring	15c.	\$0.25	Sage. Much used	20c. 45c.
Catnip. (Cat Mint)	35c.	\$1.00	Saffron.	20c.
Coriander. (Aromatic)	10c.	\$0.25	Sorrel. Used in salads	20c.
Dill. Used medicinally	10c.	\$0.20	Summer Savory.	10c. 35c.
Fennel. (Sweet)	10c.	\$0.25	Tansy. Used in bitters	30c.
Fenugreek. For flavoring	10c.		Thyme. (Broad leaved)	30c.
Horehound. Bitter, for tonic	20c.		Wormwood. Medicinal use	20c.
Hysop. Medicinal qualities	25c.	\$0.75		

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.

New Discovery

Nitro-Culture

Doubles Your Crops

A new, sure and easy way has recently been discovered to make worn-out or poor land enormously productive with a little trouble and almost without expense. Plants need nitrogen and cannot grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer, cheaper—it is to let nitrogen-gathering germs feed the plants.

The soil is full of air. Air is four-fifths free nitrogen. Think what limitless plant food, in the form of free nitrogen, the air contains. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can. These germs have been discovered and are now being used for that purpose. These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air,

and feed it to the plants. That's the secret of the new way that is making many farmers rich. The germs do the work—the farmer gets the profit. They save expense, reduce the work, increase the crop enormously, even make it possible to grow Alfalfa and other crops where they never would grow before.

The new way saves the cost of nitrogenous fertilizers and is very easy to use. The germs come ready for use, in a form called Nitro-Culture, put up in small dry packages you can put in your vest pocket. Simply add it to water, and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from two to ten times.

NITRO-CULTURE is especially prepared for the following crops: Alfalfa or Lucerne, Red Clover, Alsike Clover, White Clover, Field Peas, Garden Peas, Sweet Peas, Garden Beans, Vetch.

When ordering state what particular kind of crop you desire to inoculate, so that the proper bacteria may be forwarded.

PRICE LIST:

Trial package, ⅛ to ¼ acre, 50c; acre package, \$1.50; 5-acre package, \$5.00.

We can also furnish 25c packages for Garden Peas and Beans and Sweet Peas.

Complete directions with each package.

Space will not permit us to go into detail regarding this new discovery, but we will gladly mail free pamphlets and booklets giving full information and reports from those who have used it. This is no fake; the United States Department of Agriculture indorse it.



ROOTS SHOWING EFFECT OF INOCULATION WITH NITRO-CULTURE.

(Taken from a photograph by the U. S. Dept 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 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.

Fine Mixed. All colors.....Pkt., 5c.; ¼ oz., 15c.

Mexicanum. Light blue or white....Pkt., 10c.; ¼ oz., 20c.

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. Rose Campion. PerennialPkt., 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.

Saxatile. Perennial. Yellow

flowers

.....Pkt., 5c.; ½ oz., 30c.



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.

Cruentus. Handsome, erect

flowersPkt., 5c.

Melancholicus Ruber.

Dwarf; deep red foliage

.....Pkt., 5c.

Caudatus. Graceful, drooping

flowersPkt., 5c.

Tricolor or Joseph's Coat.

Foliage scarlet, yellow

and greenPkt., 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.



Alyssum.

ANEMONE CORONARIA.

Beautiful, spring flowers. Fine for cutting. Hardy perennial.

MixedPkt., 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.

Fine MixedPkt., 15c.

Fine MixedPkt., 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 Dept.) Pkt., 25c.; 25 seeds, 50c.

Asparagus Sprengeri, or Emerald Feather.

New. Perhaps the best new plant introduced in ten years. Feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. (For plants see Plant Dept.) Pkt., 10c.; 25 seeds, 25c.



Agrostemma.



Arabis Alpina.

We offer only the
choicest and best
Flower Seeds.

ASTERS.

Popular and well-known. As a fall-blooming annual it has no superior; produces 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 index for page.

- Chrysanthemum Flowered.** Half dwarf; of compact growth; flowers large, abundant and later than many sorts. White, Scarlet, Lilac, Rose or MixedPkt., 10c.; ¼ oz., 50c.
- 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.
- German Quilled.** The well-known, common, double, quilled aster. Mixed, all colors..... Pkt., 5c.; ¼ oz., 25c.
- Simple's Late Branching.** A magnificent strain; flowers large, beautiful, double, and borne on long stems. (See cut.) White, Rose, Crimson, Blue or MixedPkt., 10c.; ¼ oz. 35c.
- Jewel.** Plants eighteen inches high, producing abundantly on long stems, ball-shaped flowers. Mixed. All colors Pkt., 10c.; ¼ oz., 50c.
- Truffaut's Peony Perfection.** Very popular; flowers large, double, beautiful; petals curve inward. White, Crimson, Light Blue, Rose or MixedPkt., 10c.; ¼ oz., 50c.
- American.** Late branching type; long petaled flowers, feathery in aspect. MixedPkt., 10c.; ¼ oz., 35c.
- Improved Victoria.** Flowers large, beautifully imbricated and perfect in form. Crimson, Pink, White, Light Blue, Mixed. Pkt., 10c.; ¼ oz., 50c.
- Perennial Aster.** Mixed colors..... Pkt., 10c.; ¼ oz., 75c.

BALLOON VINE.

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

To grow strong, healthy Plants, use our Plant Food. See page 85.



Carnation.



Simple's Branching Aster.

BALSAM.

Ladies' Slipper, or Touch-Me-Not. Exceedingly attractive and handsome plants, producing masses of various colored flowers. Half hardy annual. (See cut.)



Balsam.

- Tall Double Camella Flowered MixedPkt. 5c.; ¼ oz., 25c.
- Dwarf, Double, Mixed, .. .Pkt. 5c.; ½ oz., 20c.

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., 10c.

Briza Maxima.

Handsome ornamental grass. Fine for winter bouquetsPkt., 5c.

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. Single Mixed or Double Mixed..Pkt., 25c. Rex. Ornamental leaved varieties; very handsome. MixedPkt., 25c.

CARNATIONS.

Universally admired, deliciously fragrant. Unsurpassed for richness and delicacy of form and color. (See cut.) For Plants, see pages 65-80. Extra Choice Double MixedPkt., 20c.; ½ oz., 75c. Fine Double. Mixed....Pkt., 10c.; ½ oz., 35c. Margaret. Mixed.....Pkt., 10c.; ½ oz., 30c. Double White, Red or RosePkt., 10c.; ½ oz., 75c. Double YellowPkt., 25c.; 1-16 oz., \$1.25.

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



Calliopsis.



Castor Bean.



Candytuft.



Calceolaria.

Browallia.

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

Mixed Pkt., 5c.

CALLIOPSIS, or Coreopsis.

Very showy and attractive. Always covered with a mass of bright flowers. A fine cut flower. (See cut.)

Choice Mixed Dwarf Annual Pkt., 5c.; ¼ oz., 20c.

Choice Mixed Double Annual Pkt., 10c.; 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 Mixed Pkt., 50c.

CALLA.

Devoniensis. New. A fine calla that will bloom from seed in one year. (See cut.) 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.) For Canna Bulbs, see Plant Dept.

Crozy's New Large Flowering Mixed Pkt., 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. Seeds can be sown in early spring in open ground. Mixed Pkt., 5c.; ½ oz., 20c.

CASTOR BEAN, or Ricinus.

Highly ornamental, of stately growth and having large leaves of bronze 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., 10c.; oz., 20c.

Mixed. Best varieties Pkt., 5c.; oz., 10c.

Barbonlensis Arboreus. The largest variety Pkt., 5c.; oz., 30c.

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.

CANDYTUFT.

Candytufts have 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.

Carmine or Purple Pkt., 5c.; ¼ oz., 15c.

Mixed. All colors Pkt., 5c.; oz., 20c.

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. Blue, white, rose or mixed. Pkt., 5c.; ¼ oz., 20c.

Campanula. Double. Blue, white, rose or mixed. Pkt., 10c.; ¼ oz., 50c.

CELOSIA, or Cockscomb. (See cut.)

Graceful, free blooming, half-hardy annuals.

Cristata. Finest varieties. Mixed. Pkt., 10c.

President Thiers. Dwarf, crimson comb. Pkt., 50c.

Celosia, Feathered. (See cut.)

Plumosa. Mixed colors of great brilliancy Pkt., 10c.

Ostrich Feathered. Mixed Pkt., 10c.

Thompson's Superb Feathered. Mixed. Pkt., 10c.

Centaurea.

Candidissima. This sort is prized for its handsome silver foliage. Half hardy perennial Pkt., 10c.; ½ oz., 25c.

Odorata Chameleon. Flowers yellow and rose; fragrant; supurb. Pkt., 10c.; ½ oz., 25c.

Margaritae. Pure white, large and handsome, sweet scented. Pkt., 10c.; ½ oz., 20c.

CHRYSANTHEMUM.

Very showy, effective and desirable as summer flowering plants. Hardy annuals.

Coronaria. Double or Single Mixed. Pkt., 5c.

Frulescens. (Marguerite, or Paris Daisy) Pkt., 10c.

Tricolor. Single Mixed Pkt., 5c.



Celosia—Feathered.



Celosia—Cockscomb.

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



Cyclamen.



Cineraria.



Cosmos Klondyke.

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 choice.....Pkt., 50c.

Clarkia.

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

Double Mixed Pkt., 5c.

Chianthus Dampieri.

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



Mammoth Cosmos.—See cut of plant above

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. MixedPkt., 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.

LANDSCAPE GARDENING.

We have books that tell all about it; see p. 48.

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.) (See cut.)

Klondyke. A novelty in Cosmos; blooms very early and continues until late fall; three to four feet high; flowers large, golden yellow and borne on long stems.

Pkt., 10c.; ¼ oz., 50c.

Early Blooming. Mixed. Pkt. 5c.; ½ oz. 25c

Mammoth. White, Pink, Red or Mixed..

Pkt., 10c.; ¼ oz., 20c.

Coleus.

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

Finest Hybrid MixedPkt., 25c.

Columbine, or Aquilegia.

Commonly known as Honeysuckle. Produces handsome flowers of unique form and many bright and attractive colors. Hardy Perennial. Mixed. Best Double or Single Varieties. Pkt., 5c.

Collinsia.

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

Mixed Pkt., 5c.

Cobaea Scandens.

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

Purple Pkt., 10c.; ½ oz., 35c.

White Pkt., 10c.; ¼ oz., 25c.

DAHLIA.

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

For Dahlia Roots see Plant Department.

Tall Double MixedPkt., 5c.

Dwarf Double MixedPkt., 10c.

Dwarf Single Mixed Pkt., 10c.

Cactus, Odd and Fantastic Mixed Pkt., 10c.

Twentieth Century. New single Dahlias of recent introduction; flowers large and handsome.

Pkt., 10c.

Datura.

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

Double Mixed Pkt., 5c.

Dracaena.

Ornamental, greenhouse plant. Very desirable.

Draco. White Pkt., 25c.

Indivisa Lineata. Narrow, dark foliage. Pkt., 10c.

FLOWERING BULBS

We issue a 24-page illustrated and descriptive Catalog of Flowering Bulbs, Plants, Etc. If interested 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., 50c.
- 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 seed and continue to flower profusely until late in the autumn, forming nice bushy plants, one foot high. (See cut.)

- California. Single Yellow, Carmine, White or Mixed.....Pkt., 5c.; oz., 35c.
 - California. Double MixedPkt., 5c.; oz., 40c.
 - Mandarin. Inner side of petals rich orange, outer side brilliant scarlet; very striking.....Pkt., 5c.; oz., 35c.
- For Other Sorts, See Popples.

Echinocystis Lobata, or Wild Cucumber.

A rapid growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt., 10c.

Euphorbia.

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

Eragrostis, or Love Grass.

Ornamental grass, having beautiful, dancing spikelets. Fine for bouquets. Hardy annual. Pkt., 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 MixedPkt., 5c.; ¼ oz., 15c.
- WhitePkt., 10c.; ¼ oz., 20c.

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.



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, blue flowers. Blue or Mixed Pkt., 10c.; ¼ oz., 25c.
- Palustris. The true Forget-me-not. Pkt., 10c.; ½ oz., 25c.
- Dissitiflora. Compact; profuse bloomer; fine blue; earlyPkt., 10c.
- Semperflorens. Dwarf; continuous bloomer; blue..... Pkt., 10c.

Victoria. Flowers large, bright azure-blue, fine for cut flowersPkt., 10c.; ½ 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 or three inches across, produced from early summer until frost; unrivalled for cutting.

- Grandiflora Maxima. Golden...Pkt., 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., 35c.

GERANIUM.

Easily and quickly grown from seed.
Lady Washington. Foliage green; flowers large, handsome, oddly marked. Finest Mixed Pkt., 5c.

Gentiana.

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

Geum, or Chileense.

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

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.

Globe Amaranth, or *Gomphrena*.

An old favorite, everlasting flower. Mixed Pkt., 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. (See cut.)

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

Grevillea, Robusta.

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



Eschscholtzia.



Fox Glove.



Forget-Me-Not.



Gloxinia.

Godetia.

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

- Fine Mixed Pkt., 5c.

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.
Muralis. Pink. Hardy annual. Pkt., 5c.

Gourds.

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

Dishcloth, Dipper, Bottle, Egg-shaped or Mock Orange. 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., 1/8 oz., 40c.
 Mammoth Flowered. Blue, white or mixed; very fine. Pkt., 15c.; 1/8 oz., 50c



Heliotrope.

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.

Fumariaefolia. 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.



Helichrysum.

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 drop Pkt., 5c.

Ipomopsis, or Garden Cyprus.

Symmetrical plants of pyramidal growth, feathery foliage and handsome spikes of flowers; useful for either garden or pot culture. Mixed Pkt., 5c.; 1/4 oz., 20c.

Ipomoea.

One of the most beautiful, climbing plants in cultivation for the greenhouse or sheltered 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.

Kaulfussia.

Pretty, free-flowering plants of compact growth. Hardy annual. Mixed Pkt., 5c.

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.; oz., 20c.
 Tall Branching. Finest mixed Pkt., 5c.; 1/4 oz., 20c.
 Perennial Mixed Pkt., 5c.; 1/4 oz., 20c.

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.; 1/4 oz., 25c.



Gypsophila.

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.; 1/8 oz., 75c.

Double Crimson, Scarlet, White, Yellow, Magenta, Lilac or Pink. Pkt., 10c.; 1/8 oz., 50c.

Allegheny. This sort has very large flowers, composed of fringed and crinkled petals. Rich and handsome. Double or single. Choice mixed. Pkt., 10c.; 1/8 oz., 30c.

Our Flower Seeds are Fresh New Crop. They produce the most beautiful flowers.

We give you \$1.25 worth of Seed in packets, and ounces, for \$1.00. See inside front cover.



Larkspur.



Double Hollyhock.

The finest gardens are made by planting Portland Seed Co.'s "Diamond Brand Seeds."

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.
- Perennial Cardinalis.** Taller than other sorts; flowers rich red Pkt., 10c.



Lobelia.
(Flower only, about life size.)



Mignonette.

During the early spring months we can supply Flowering Plants of many kinds. See Plant Department.

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.

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.

- Reseda Odorata.** Very fragrant. Pkt., 5c.; oz., 15c.
- Grandiflora.** Large, well-formed, fragrant flowers Pkt., 5c.; oz., 20c.

- Machet.** Dwarf; flowers red..... Pkt., 10c.; ¼ oz., 20c.

- Golden Queen.** Dense dwarf growth; flowers golden yellow, deliciously fragrant..... Pkt., 10c.; ¼ oz., 20c.

Allan's Defiance. A choice strain for forcing under glass during winter, producing spikes closely set with individual florets of enormous size and intensely rich perfume. It is also one of the most desirable for summer culture in open ground Pkt., 10c.; ¼ oz., 25c.

Giant Pyramidal. Erect pyramidal growth, with fine spikes of elegant flowers..... Pkt., 5c.; ¼ oz., 25c.



Marigold.



Morning Glories.

MIMULUS.

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

Tigrinus Grandiflora 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.
- Tall Double Mixed** Pkt., 10c.; ¼ oz., 25c.
- Convolvulus Minor.** Dwarf mixed Pkt., 5c.; oz., 15c.

Imperial Japanese. 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.; ¼ oz., 50c.

Musa Ensete, or Abyssinian Banana. Splendid, tropical plant, very striking Pkt., 25c.

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, double mixed Pkt., 5c.; oz., 40c.
- African.** Dwarf, double mixed Pkt., 5c.; oz., 40c.
- French.** Tall, double mixed Pkt., 5c.; oz., 35c.
- French.** Dwarf, double mixed Pkt., 5c.; oz., 35c.

Nemophila, or Love Grass.

Hardy annuals of neat, dwarf, compact growth; fine for borders, pot culture or rockeries. Flowers blotched and beautiful. Free bloomers.

- 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.

GET BUSY.

Make your yard beautiful.

Nasturtium

TROPOEOLUM.

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 these 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 and rapidity of luxuriant growth, 12 to 15 feet high, 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. The illustration shows the natural size of the leaf and flower. 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 25c. each; 3 for 60c.

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., 25c.
 - 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 the 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.; 1/4 lb., 35c.
 - Lobbianum. Fine Mixed. A very fine grade. Pkt., 5c.; oz., 15c.; 1/4 lb., 30c.
 - Tall Fine Mixed. Good mixture. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.
- SPECIAL**—The 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.; 1/4 lb., 30c.

SPECIAL—The above collection of seven packets for 25c—**SPECIAL**.

Our Flower Seeds come from the best growers in the world, and they 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 our Fancy Mixed Lawn Grass Seed—see page 49.

PORTLAND SEEDS

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 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

The latest introductions direct from our German Pansy Seed Grower.

PRINCE HENRY.

A new giant variety, of a brilliant, dark indigo with violet luster, each petal having a large, black-brown, veined blotch. Edges of petals, slightly ruffled. Pkt., 20c.

HERO.

Very large, well-shaped; has beautiful regularly crimpled 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., 25c.

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., 20c.

SPECIAL—One packet each of the above collection, only \$1.00.

Large Flowering Popular Sorts

Alba Pura (Lady-in-White). A beautiful, new, pure white. Pkt., 10c.

Coquette de Polssy. 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). 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.; 1/4 oz., 75c.; oz., \$2.50.

SPECIAL—One packet 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.; 1/8 oz., \$1.00; 1/4 oz., \$1.50.

Cassler. A very fine mixture marked with three or five blotches on rich back-ground and the flowers are very large. Pkt., 25c.; 1/8 oz., 75c.

Odier or Blotched. Superb, large flowers, beautifully blotched with rich and varied colors. Extra mixed. Pkt., 25c.; 1/8 oz., 75c.

Parisian Largest Spotted. New, very large flowering; very handsome. Pkt., 15c.; 1/8 oz., 75c.

Bugnot. Flowers of enormous size, circular form, and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings comprise tints of red, bronze and brown not found in any other mixture. Pkt., 25c.; 1/8 oz., \$1.00.

English Show Extra Mixed. An exceedingly fine mixture, all colors; will make a remarkably fine display. Pkt., 10c.; 1/4 oz., 75c.; oz., \$2.00.

Fine Mixed. A fine assortment of colors. Pkt., 5c.; 1/4 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



Penstemon.

PASSION FLOWER, or Passiflora.
 Most interesting and well known climbers, bearing singularly beautiful flowers.
Coerulea. Half hardy, deciduous climber, with blue and white flowers of remarkable beauty..... Pkt., 10c.

PAMPAS GRASS, or Gynerium Argentum.
 A noble ornamental grass, easily grown from seed, producing majestic plumes, that are inimitable for winter decoration. Pkt., 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.; 1/4 oz., 35c.

We have unlimited quantities of Flowering Plants in season. See Plant Department, pages 65-80.



Phlox Drummondii.

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 Mixed Pkt., 5c.; 1/4 oz., 50c.
- Large Flowering. Mixed; flowers large and brilliant. Pkt., 5c.; 1/4 oz., 60c.
- Large Flowering. Scarlet or white..... Pkt., 5c.; 1/4 oz., 75c.
- Dwarf. Mixed; finest flowering sorts Pkt., 5c.; 1/8 oz., 50c.

Phlox Perennial.

Perennial Phlox is among the choicest of our flowers for bedding and border plants. They are hardy and need no protection; will flourish in any soil.
Decussata. Perennial; mixed Pkt., 10c.; 1/8 oz., 50c.

PETUNIA, or 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 Mixed Pkt., 5c.; 1/8 oz., 25c.
- Single Choicest Mixed. Saved from the best flowers. Pkt., 10c.; 1/8 oz., 50c.
- Single Fringed. Large flowered; very desirable..... Pkt., 25c.
- Double White. Large flowered Pkt., 25c.
- Double. Choicest mixed; full and handsome..... Pkt., 25c.

Phormium, or New Zealand Flax.

Tenax. Has handsome, variegated foliage..... Pkt., 10c.; 1/4 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 mixed. Pkt., 5c.; 1/4 oz., 25c.
- Heddewigl.* Color varies from richest, velvety crimson to delicate rose. Single mixed..... Pkt., 5c.; 1/4 oz., 25c.
- Heddewigl.* Double mixed. Pkt., 5c.; 1/4 oz., 35c.
- Laciniatus.* Fine, double fringed, finest assorted colors; double mixed. Pkt., 5c.; 1/4 oz., 50c.
- Piumarius* (Sweet May Pinks). Very fragrant; fine mixed Pkt., 5c.; 1/4 oz., 35c.
- Alba Plena.* Handsome, double white..... Pkt., 10c.; 1/8 oz., 25c.

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 mixed Pkt., 10c.; 1/4 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 colors..... Pkt., 10c.; 1/4 oz., 40c.
- Danebrog or Danish Flag.* Scarlet, with a white spot at the base of each petal; brilliant..... Pkt., 5c.; oz., 25c.
- Double Scarlet or White.**..... Pkt., 5c.; oz., 25c.
- Double American Flag.** White bordered with scarlet Pkt., 5c.; oz., 30c.
- Umbrosom.** Rich vermilion, with a glossy, black spot on each petal; single Pkt., 5c.; oz., 30c.
- Bracteatum.** Hardy perennial; very showy, red.... Pkt., 5c.; 1/4 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.

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 spring 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 page 80.

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.
- 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.
- Sinensis.** Pure white or red. Pkt., 25c.
- Sinensis Alba Magnifica.** 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.

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.

Pyrethrum.

Very ornamental plants, for both foliage and flowers.

- Parthenium Aureum** or Golden Feather. Beautiful, gold leaved, flowers white. Pkt., 10c.
- Selagenoides.** Fine, fern-leaved sort; flowers bright, golden yellow Pkt., 10c.

Rhodanthe.

A charming annual. Flowers everlasting. Mixed Pkt., 5c.

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** or Clara Bedman. Finest Salvia 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. It attracts immediate attention in the garden, and is one of the most effective and gorgeous plants in cultivation Pkt., 15c.; ¼ oz., \$1.00.

- Argentea.** Silver leaves, flowers white; blooms in the spring. Pkt., 5c.
 - Salvia Farinacea.** Flowers light blue, compact bush Pkt., 10c.; 1-16 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.

- Tall Mixed Pkt., 5c.; ¼ oz., 25c.
- 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.



Salvia.

FERN BALLS Cut in half and placed in Fern pans make a beautiful mass of green (See Index)

CREAM OF ALL Sweet Peas LATEST CREATIONS

Gold Medal Collection

This year we offer 8 Grand, New Sweet Peas, which, our grower says, are the best that have come out for years. Try them, you will not be disappointed. True seed of these is very scarce this year and we offer it in **PACKETS** and **OUNCES** only.

One full packet of each of the following eights sorts, only 60c.

COUNTESS SPENCER—Shell Pink.

This novelty, which is a distinct innovation in sweet peas, originated in England with the gardener to the Countess Spencer. Flowers extremely large; beautifully expanded edges of standard and wings beautifully crumpled and waved; color, silvery white, suffused and tinted with soft rose-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. Vigorous grower; flowers come in threes on a long, stiff stem. The true seed is very scarce.

Pkt., 15c.; ½ oz., 25c.; oz., 40c.

SCARLET GEM.

The color is almost dazzling scarlet, beautiful, bright and clear. Strong growth; sturdy stems; wonderfully free flowering. Scarlet Gem certainly is a "startling" novelty. It has already created a great sensation in England.

Pkt., 10c.; ½ oz., 20c.; oz., 30c.

DOROTHY ECKFORD—Pure White.

Pronounced by Sweet Pea Experts to be the grandest pure white yet seen. In addition to its pureness, it is a grand, giant flower, with no tendency whatever to tinge or go pink. Grows an enormous mass of bloom.

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

EARLIEST SUNBEAMS.

Primrose.

Extremely early; fine for forcing; flowers, rich primrose color, borne three on long stems; dwarf grower, exactly of same habit as Mont Blanc, of which it is a duplicate except in color.

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

MARCHIONESS OF CHOLMONDELEY.

Cream.

This is a decided acquisition, being the largest variety, with a beautiful bold, erect standard. In color it is very exquisite, being a soft shade of cream overlaid and edged with a delightful shade of pink.

Pkt., 10c.; oz., 35c.

KING EDWARD VII

Crimson.

A lovely, intense crimson, slightly hooded, yet prominently standard; a true, giant-flowered variety; strong stems and growth.

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

Mrs. KNIGHT S. SMITH

New Pink.

A grand variety. An entirely new shade of pink, quite a refined flower, well advanced in size and nearly a self-color; strong grower with good stems; beautiful for cutting. Pkt. 10c.; oz., 25c.

JESSIE CUTHBERTSON

White Striped Red.

Very large, well expanded; the stripings and flakes of color are very rich and striking in effect. The ground color, creamy white, boldly striped, and lightly flaked with rich, dark rose, more heavily in the wings than on the standard. This is one of the largest and most showy of the distinctly striped varieties.

Pkt., 15c.; ½ oz., 25c.; oz., 40c.



NITRO-CULTURE
on Sweet Peas
makes more and
finer flowers,
See page 32.

FORGET NOT

That you can not buy TRUE SEEDS of the LATEST sweet peas at prices offered by some dealers—You get substitutes

Sweet Peas—Continued

Majestic Collection of New and Handsome Sweet Peas

This collection will certainly please you; per pkt., 5c.; oz., 15c.
SPECIAL—One packet of each of the eleven grand sorts for 40c; one ounce of each, \$1.00, postpaid.

AMERICAN QUEEN—Salmon Red.

Flowers, large and three on a stem; most profuse in bloom; standard extra large, erect and pointed; color, a clear salmon red, the large wings being of a bright, deep rose.

MAJESTIC—New Rose.

Borne almost uniformly three on a stem, and all facing one way; the flowers are of largest size and perfect form, slightly hooded; standard, deep rose pink; wings, deep rose but rather softer in tone.

GRACIE GREENWOOD—Cream.

Flowers of good size; beautiful, soft cream, shaded delicate pink with a distinct edging of deeper pink. Very handsome sort.

JEANIE GORDON—Rose.

A charming novelty; very attractive; standard, bright rose, shaded cream; slightly hooded; wings cream suffused rose; flowers large.

COCCINEA—Rich Cherry.

A distinct new color and a beautiful thing; color, bright, rich cherry, intensely brilliant and decidedly new.

LORD ROSEBERRY—Rose Carmine.

Fine form and substance; very free flowering and robust. The large hooded flowers borne on long stems, are of a rose carmine showing veins of deeper rose.

WHITE WONDER—New White.

Flowers, pure white, large and borne six to eight on long, stout stems; well placed near the top of the stem and generally all facing one way. The vines bloom profusely being of unusual vigor.

NEW COUNTESS—Best Lavender.

The handsome, well formed flowers are borne in profusion. Without a doubt the best, clear, light lavender.

AMERICA—Striped.

Flowers large striped with bright blood-red on silvery white ground; showy; profuse bloomer.

JANET SCOTT—New Pink.

A new shade of deep pink. The unusual size of the wings in connection with the large, substantial hooded standard gives the flowers an appearance of enormous size. Flowers are deeper and richer in color than the favorite Katherine Tracy, and borne three on a stem.

LADY M. ORMSBY-GORE Primrose.

Standard primrose, delicately shaded (or over-laid) with buff and fawn; wings clear primrose; of very vigorous growth; the large, hooded flowers are borne profusely on long stems.

PINK AND WHITE.

Blanche Ferry. Standard wide and erect, bright rose-pink; wings are creamy white, tinted with rose.

Extra Early Blanche Ferry. An improved strain of the very popular Blanche Ferry, beginning to flower fully a week earlier.

CREAM OR LIGHT YELLOW

Golden Gleam. A lovely yellow of beautiful form and good size.

Mrs Eckford. Quite large size. A beautiful shade of light primrose-yellow; fine for cut flowers.

Queen Victoria. Color a soft primrose-yellow, slightly overlaid with faint purple.

Stella Morse. The color effect is richer than in any other of the creamy-yellow varieties. Has a faint tinge of pink underlying the creamy shading, producing a true apricot shade.

Mrs. E. Kenyon. Rich, primrose. A bold, giant flower. Can be described briefly as an enlarged and improved Mrs. Eckford.

PINK—Light.

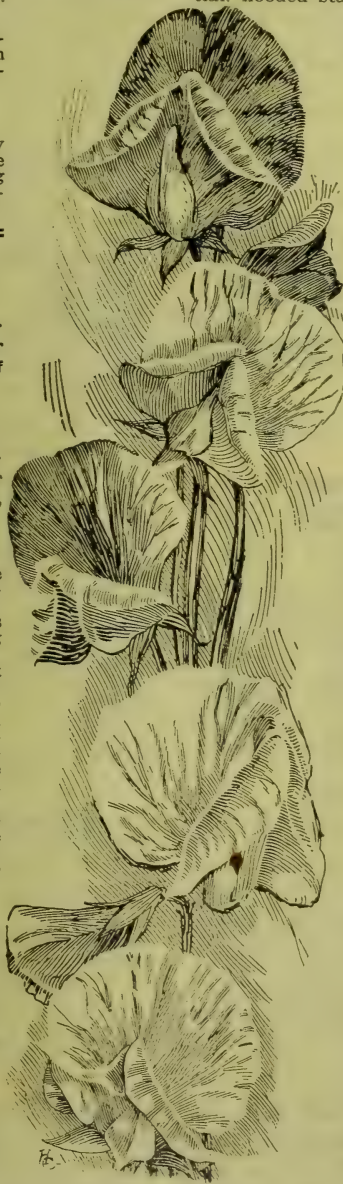
Countess of Lathom. Fine, large flowers. A soft, cream tint heavily shaded with soft flesh-pink in the center of the standard and wings, shading much lighter at the edges.

Eliza Eckford. Standard flesh-pink, suffused with silvery white; wings white, occasionally suffused with soft pink.

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 magenta, lilac at edges, almost white at base. Wings white, tinged at times with pink.

**For Your Convenience**

we have grouped the following varieties under their colors. We offer you only the choicest and best of each color.

Price

All varieties, except where otherwise stated, 5c. per pkt., 10c. per oz., 20c. per ¼ lb., 60c. per lb., postpaid.

WHITE.

Blanche Burpee. A grand large flower of beautiful form; firm, lasting substance and snowy whiteness; flowers on long, stiff stems. Vines are of strong growth, blooming profusely throughout the season.

Emily Henderson. The earliest blooming, standard pure white. Large flowers.

Josephine White. Extremely early. A dwarf Emily Henderson. Undoubtedly the very earliest, flowering, pure white Sweet Pea. The vines are two and a half feet in height when in full flower.

Oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

Sadie Burpee. Flowers are of the largest size and purest snowy white. They come in three at the top of the stiff stems and are of firm substance, lasting well when cut.

Mont Blanc (New). This is extremely early. It begins to bloom when only twelve inches high. Seldom attains more than two feet in height. The flowers are a pure, paper white; standard, broad, rounded in form, slightly notched in center.

Oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

BLUSH—Very Light.

Modesty. Almost white, but suffused with pink.

Sensation. Large flowers; standard well expanded, of delicate, silky texture, suffused with faint blush pink.

NITRO-CULTURE

A package of Nitro-Culture may cost about as much as your seeds but think of the increase in size and profusion of blooms. See page 32.

Sweet Peas—Continued

All varieties except where otherwise stated, 5c. per pkt.; 10c. per oz., 20c. per ¼ lb.; 60c. per lb., postpaid.

PINK—Deeper Shades.

Apple Blossom. Large, beautifully hooded flowers; standard heavily shaded and edged with soft rose in silvery white; wings white with deep rose in center.

Blushing Beauty. Soft rose-pink, delicately suffused on a silvery-white ground.

Prima Donna. A most beautiful bright shade of bluish-pink. Flowers of large size and finest form.

Royal Robe. Fine, large flowers of beautiful form and delicate coloring; standard rich flesh-pink; wings soft carmine-rose, a beautiful shade.

ROSE—Rich Shades.

Fashion. Large flowers. Soft shade of rose-magenta, spread over the whole flower and deepening at base of standard.

Lord Kenyon. A fine, large flower, three on a stem, bright rose-pink, shaded more heavily at the edges of the standard and wings, and with distinct richly colored veinings.

Mrs. Dugdale. Flowers large; three on a stem; standard and wings light carmine-rose with faint markings of primrose.

Prince of Wales. Large flower, bright, self-colored, deep rose tint. The flowers are beautifully hooded.

Royal Rose. Deep rosy pink, with wings of a lighter shade; flowers of largest size and fine form.

RED AND SCARLET.

Brilliant. A very bright crimson-scarlet. Standard broad and slightly hooded; wings widely spreading.

Firefly. The favorite, bright-scarlet variety. The flower is of medium size, glowing scarlet.

Mars. An intense, glowing scarlet of grand form; wings heavily suffused with rose.

Prince Edward of York. Flowers extra large and boldly expanded; standard is a bright glowing scarlet bordering on salmon; wings are soft, deep rose.

Salopian. This is decidedly the finest scarlet Sweet Pea in cultivation. Flowers of largest size and finely hooded form, are borne uniformly three on a stem.

SCARLET AND MAROON.

Black Knight. Large size; standard a rich, wine-brown or dark claret; wings heavily shaded with brownish purple.

Captivation. The flowers are large and of a beautiful, bright claret shade.

Duke of Sutherland. Standard erect, pointed, of a deep claret shade with strong reddish tinge, deepening to rich purple at the base; wings wide, heavily rolled, and of a deep violet-purple.

Duke of Westminster. Grand, large flowers. A beautiful shade of rosy claret.

Othello. A deep maroon self-color; very large size; standard slightly hooded, widely expanded, and of grand hooded form.

Shahzada. Intensely dark maroon, with a tint of purple in standard and inner portion of wings; rich.

ORANGE AND SALMON.

Gorgeous. Deep salmon-orange suffused with an orange-salmon or deeper shade. The coloring is intensely brilliant.

Hon. F. Bouverie. Soft pinkish salmon, wings shade to a lighter salmon-buff at the edges. Charming.

Lady Mary Currie. Standard large, heavily veined with salmon-pink and shaded with carmine; wings large, recurved, and of a soft rose-pink, veined with a deeper shade bordering on buff.

Miss Willmott. Standards and wings of the richest "orange pink," delicately shaded rose. Enormous flowers borne erect on long, stiff stems.

Venus. Lovely salmon-buff, shaded with rosy pink. The fine, large flowers become deeper in shade as they remain open.

LAVENDER AND LIGHT BLUE.

Admiration. Large flower, delicate shade of rosy lavender. One of the very choicest varieties.

Countess of Radnor. Fine size and form. A beautiful shade of light lavender, with faint purplish tinge.

Dorothy Tennant. A finely hooded flower; self-colored in a rich shade of rosy mauve. Flowers of large size and good form.

Lady Grisel Hamilton. Most attractive light lavender shading; flowers of large size.

Lady Nina Balfour. Delicate light lavender or lilac, entirely free from any reddish tone.

Sue Earl. Large size, hooded form, borne three on a long stem; standard primrose, mauve at edges; wings almost pure primrose.

BLUE AND PURPLE.

Captain of the Blues. The flowers have the appearance of being a true blue; bright and attractive.

Countess Cadogan. Large flowers; a light bluish purple in standard and clear blue in wings. The color effect is that of a bright blue.

Emily Eckford. Flowers of large size; standard, light rosy purple; wings rich, deep blue.

Navy Blue. The large flowers are of a 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. The flowers are beautifully shaded with light blue on a white ground and boldly edged with narrow border of deep, rich violet; very dainty.

STRIPED AND VARIEGATED.

Gray Friar. A most charming variety, heavily shaded with watered, purple markings on creamy-white ground.

Juanita. Large size, beautiful form, with broad striped markings of delicate light lavender on a creamy-white ground.

Lottie Hutchins. Large flowers, delicately flaked and striped with light pink on a rich, creamy ground.

Mrs. Jos. Chamberlain. Ground color is a clear, silvery white, brightly striped soft, rosy pink, with most attractive effect.

Pink Friar. Soft carmine-rose, suffused on a silvery or crystalline, white ground in finely watered markings and heavily backed with rosy carmine.

Princess of Wales. Flowers of large size, striped throughout with mauve on a white ground.

Wawona. The lovely flowers are of a delicate heliotrope, beautifully striped with faint, creamy white; they are of large size and finest form.

Cupid or Dwarf Sweet Peas

Dwarf in plant only, the blossoms being as large as the tall kinds. They grow from four to six inches high, and are beautiful grown in pots or planted for borders. Blossoms are borne in clusters of two or three, on long stems above the foliage. Fragrant.

White, Pink, Scarlet, Primrose, Lavender, Striped, Maroon or Mixed.

Per pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

Double Sweet Peas

They have two to three standards and frequently three wings; these petals are beautifully incurved and frilled. The flowers of these do not all come double.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

Sweet Peas in Mixture

Extra Mixed. Containing a very large variety of the old standard sorts. Good value.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

Large flowering Mixed. This mixture, although not embracing the latest novelties, contains a beautiful assortment of the large flowering kinds.

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

Portland Seed Co.'s Grand Prize Mixture

Unequaled for Size and Beauty of Flowers, and Blending of Colors.

This mixture for 1906 will surpass any we have ever sold. This is a strong claim, for last season's mixture was simply "perfection itself." Each year we add the novelties of the previous year, so that with the exception of 1906 novelties, you will get in this mixture all the choicest, finest, new, large flowering, Sweet Peas grown, mixed in the right proportion to please the most critical and exacting lover of Sweet Peas. No finer mixture can be bought anywhere. Put up in full weight, one ounce, sealed packets only, at 15c. each; two for 25c.; five for 50c.; fifteen for \$1.00.

Perennial Peas or *Lathyrus Latifolius*.

In general appearance these are the same as Sweet Peas, but the flowers are not so fragrant, although they bloom through a long season; are perfectly hardy and will live for years.

White or Mixed Pkt., 10c.; oz., 35c.

STOCKS—Double Ten Weeks.

These popular flowers are easily grown, and are so highly fragrant and of such great 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.; 1/8 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.; 1/8 oz., 50c.
Giant Perfection. Double mixed Pkt., 10c.; 1/8 oz., 75c.

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.; 1/4 oz., 25c.
Dunetti. Dark crimson, single Pkt., 5c.; 1/4 oz., 30c.
Pure White. Single Pkt., 5c.; 1/4 oz., 25c.
Double Mixed Pkt., 10c.; 1/4 oz., 25c.

SUNFLOWER, or *Helianthus*.

Stately growing annuals with immense golden yellow flowers; effective for garden decoration.

Double Dwarf Variegated. Leaves beautifully spotted with yellow. Pkt., 5c.; oz., 25c.

Double Dwarf. Covered with 3-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.; 1/4 oz., 25c.

Argyrophyllus (Texas Silver Queen). Has handsome silver foliage and a profusion of small elegant single flowers. Pkt., 5c.; oz., 30c.

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.; four to six feet high.

Mixed Colors..... Pkt., 5c.; 1/4 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.



Violet.



Verbena.



Tritoma.

Odorata Blue. Very fragrant Pkt., 10c.; 1/8 oz., 50c.
Odorata White. Very fragrant Pkt., 10c.; 1/8 oz., 50c.
Odorata. Finest mixed Pkt., 10c.; 1/4 oz., 75c.

WALL FLOWER.

(*Cheiranthus cheri*). Produces spikes of beautiful, exceedingly fragrant flowers. Half hardy perennial.

Mixed. Single, large flowering Pkt., 5c.; 1/8 oz., 25c.
Parisian Forcing. Single Pkt., 10c.; 1/8 oz., 10c.
Finest Double Mixed Pkt., 10c.; 1/8 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.; 1/4 oz., 15c.

Xeranthemum.

Everlasting flowers. Hardy annual Double Mixed..... Pkt. 5c.

Zeal, or Ornamental Maize.

Japonica Variegata. Finest mixed. All varieties..... Pkt., 5c.
Gracillima. Gigantea mixed Pkt., 5c.

ZINNIA ELEGANS.

Of easiest cultivation and should be in every collection. Half hardy annuals.

Tall Double. Mixed Pkt., 5c.; 1/4 oz., 25c.
Dwarf Double. Mixed Pkt., 5c.; 1/8 oz., 25c.
Dwarf Scarlet Pkt., 10c.; 1/8 oz., 25c.

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; 1 1/2 feet. Mixed Colors. Purple, White, etc..... Pkt., 5c.; 1/4 oz., 15c.

Sweet Rocket, or Hesperis.

An old hardy garden favorite. Fragrant white flowers; 2 to 3 feet. Pkt., 5c.; 1/4 oz., 20c.



Stocks.

VERBENA.

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 healthy until destroyed by frost.

Hybrida. Choicest; very finest mixed.... Pkt., 10c.; 1/4 oz., 50c.
Mammoth. Selected; extra large, fine; mixed..... Pkt., 10c.; 1/4 oz., 60c.

Candidissima. White..... Pkt., 10c.; 1/4 oz., 50c.

Scarlet Defiance. Fiery scarlet. Pkt., 10c.; 1/8 oz., 50c.

Striped. Each Pkt., 10c.
Coerulea. Bright blue. Pkt., 10c.
Yellow. Primrose color. Pkt., 10c.

Lemon Verbena.

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Pkt., 10c.

Vinca.

Tender perennial. Fine for pot culture. Flowers white and pink. Mixed Pkt., 10c.

Viscaria—Rose of Heaven.

Their profuseness of bloom will always rank them among general favorites. Fine Mixed Pkt., 5c.

VIOLETS.

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.; 1/8 oz., 50c.
Odorata White. Very fragrant Pkt., 10c.; 1/8 oz., 50c.
Odorata. Finest mixed Pkt., 10c.; 1/4 oz., 75c.

Hoquiam, Wash.,
Aug. 4, 1905.

Portland Seed Company:
Dear Sirs—The Sweet Peas I got from you are the finest I ever had—8 feet and covered with bloom and still growing. Colors very choice.
Yours respectfully,
E. A. TRUITT.

For a small outlay of money you can gain knowledge that has taken others years of study and experience to gain

BOOKS

KEEP YOURSELF "UP TO DATE" BY READING THE LATEST BOOKS BY PRACTICAL MEN

ALL BOOKS SENT POSTPAID AT THE FOLLOWING PRICES:

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BEES

A B C 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, cloth bound	\$1.25	Bee Keeper's Guide. Cook	\$1.35
		Forty Years Among Bees. Miller	1.10
		How to Keep Bees (New)	1.10
		How to Produce Extracted Honey .....	.20
		Modern Queen Rearing .....	.20

POULTRY

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)	\$1.50	Ducks and Geese	\$0.50
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		Reliable Poultry Remedies25
		Success with Poultry	1.00
		Turkeys, Care and Management50
		Wyandottes, All Varieties50

NOTE—"Artificial Incubating" and "Success with Poultry" 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 You can get any of the above books free. **BOOKS FREE**
See premium offer, inside front cover.

"Centennial Park"--Lewis & Clark Fair Grounds

This photograph shows a portion of the lawns that were sown with our "Diamond Brand" Fancy Lawn Grass Seeds. Everyone who visited the Exposition praised the lovely lawns our seed produced.



Portland Seed Co.'s "Diamond Brand" Fancy Mixd 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.

To keep the lawn in fine condition it is necessary to feed it well by frequent and liberal applications of a fertilizer rich in the elements of plant food. Such is found in our Lawn Fertilizer. (See page 84.) A richer, deeper, darker and in every way a finer lawn, can be secured by the use of our Lawn Fertilizer than by the best barnyard manure, and in using it you run no risk of introducing weed seeds, which, when once established in a lawn, you will find almost impossible to get rid of.

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 seed 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 twenty feet square; 10 to 15 lbs. to the average city lot. Per lb., 25c.; postpaid, 35c.; by express or freight, 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.

GRASS AND CLOVER SEEDS

The farmers and stockraisers should, and are, turning their attention to the raising of more grass, clover, grain and forage plants. 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.

We also wish to impress on your minds the fact that the seeds we offer you are all carefully grown, harvested and cleaned by experts in this line of work, and you can rely on getting the very best in the market if you send US your orders.

IMPORTANT--Please Read Following Paragraph--IMPORTANT

Prices per single pound include postage. Prices per hundred pounds are only printed so as to give you a general idea of the average selling prices.

YOU WILL ALWAYS GET YOUR MONEY'S WORTH

Prices on grass and lawn seeds change occasionally, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity, 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.

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.

Alfalfa will grow anywhere from about sea level to 7000 feet elevation. It succeeds best in soil rich in lime, potash and phosphoric acid.

Sow from 15 to 20 pounds of seed to the acre, and harrow or brush it in well. Seeding thick will produce fine stalks—a desirable feature, either in hay or pasture. The seed should be sown in spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before frost.

Use "Nitro-Culture" on your Alfalfa seed and double the yield. (See page 32.)

Turkestan Alfalfa

This new Alfalfa, introduced from Turkestan, has been experimented with more or less for the past few years. In some places it has proved a great success. In general appearance it is very much like our regular Alfalfa. It is claimed that it will produce a luxuriant growth in the driest 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 seed.

Per lb., postpaid, 35c.; 100 lbs., \$19.

New Dry Land Alfalfa

For High, Dry, Hot Land.

We are now able to offer in quantity this new Dry Land Alfalfa, which 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 plateaus which are above irrigation ditches or in sections where irrigation is impossible. This new "Dry Land" Alfalfa is what might be called "a new strain, acclimated to dry land."

CULTURE.—Before seeding, you should put your ground in the best possible condition. Summer fallow land is usually preferred. If that is not practicable, then plow the ground about ten inches deep. A good plan is to plow in the fall for spring sowing. As soon as the conditions permit in the spring, harrow very thoroughly and get the surface of the ground in as fine shape as possible. Sow early, after danger of frost is over, and drill the seed in not over an inch deep at the rate of about 20 pounds to the acre. Cross-harrow lightly; then roll or clod-smash, if possible. Broadcast sowing is not recommended.

We have genuine Dry Land Alfalfa grown for us in large quantities. It comes from the highest, driest alfalfa sections, and is very superior seed.

Per lb., postpaid, 35c.; 100 lbs., \$17.00.

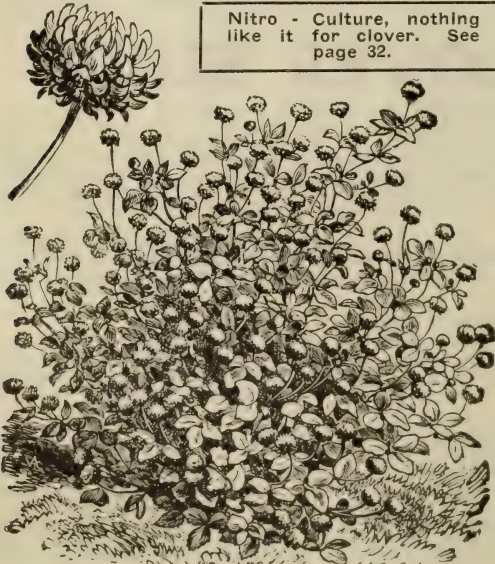
Red Clover

(Trifolium Pratense.)

The standard Clover for all purposes, either pasture, hay, or for improving and enriching the soil. It is hardy and succeeds well on any good soil. It yields the heaviest crop of any Clover except Alfalfa, and makes superior hay—especially if mixed with Timothy—either for dairy cows or for general use. Sow from twelve to fifteen pounds per acre, being careful to get it evenly distributed over the ground.

Per lb., postpaid, 27c.; 100 lbs., \$15.50.

Nitro - Culture, nothing like it for clover. See page 32.



ALSIKE CLOVER.

Bur Clover

(Medicago Denticulata.)

Yields a rank and abundant growth of Nutritious Herbage valuable for Dairies, Stock Ranges and Fertilizing Purposes.

This plant is one of the Medicago family of which Alfalfa (Medicago Sativa), is the best known member.

The family possesses many characteristics in common, sending down a strong tap root and producing a prodigious amount of feed, very nutritious and relished by all kinds of stock.

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.

According to Experimental Station reports on this Coast, Bur Clover is superior to Alfalfa for fattening stock, because of its large contents of carbo-hydrates and fat.

This statement coincides with the report of stock growers, who having had experience with this plant, claim that it is exceptionally rich and valuable because of the large amount of seed it bears. At the same time, it contains much more protein than grain hays and is better for dairying purposes. Sow in the spring or fall, 15 to 20 lbs per acre.

Per lb., postpaid, 35c.; 20 lbs., \$4.00; 100 lbs., \$17.50.

White Dutch Clover

(Trifolium Repens.)

A small variety, having a white blossom. It is of a vining nature, spreading rapidly and will soon cover bare spots if the stand be uneven. It does not attain sufficient height to be profitable for hay, but is superior for pasture, either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass. If sown alone, use six to eight pounds per acre.

Choice Seed Per lb., postpaid, 35c.; 100 lbs., \$18.

Fancy Seed Per lb., postpaid, 40c.; 100 lbs., \$20.

MAMMOTH RED CLOVER.

This variety grows five to six feet high, and is used almost exclusively for plowing under for manure. Sow from 12 to 15 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$16.00.

ESPERSETTE, OR SAINFOIN.

(Onobrychis Sativa.)

A deep rooting, perennial legume, extensively cultivated on dry, calcareous soils which are too barren for Clover or Alfalfa. It is rather difficult to establish, as the plants are easily killed when young, but when once rooted, will live from ten to twenty-five years. Sow 50 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$15.00.

Alsike, or Swedish Clover

(Trifolium Hybridum.)

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

Per lb., postpaid, 30c.; 100 lbs., \$16.00.

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, and has a beautiful, crimson bloom. It germinates quickly, grows rapidly, and stools abundantly. Sow from twelve to fifteen pounds to the acre, and harrow in with a light harrow. 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., \$22.00.

GRASS SEEDS FOR PACIFIC COAST

We are equipped with the latest and best facilities for handling the rapidly increasing grass seed trade. Without doubt we sell more Grass and Clover Seeds each year than any other two or three firms located here.

Grass Seed Prices subject to change without notice. See note on page 49.

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, at the rate of twelve pounds per acre, if alone, but less if mixed with other grasses. A bushel weighs 45 pounds.

Per lb., postpaid, 20c.; 100 lbs., \$5.75.

Kentucky Blue Grass

(Poa Pratensis.)

One of the best grasses for permanent pasture. furnishing a constant supply of the most nutritious feed during the greater part of the year. It is perennial, and in warm localities, where the ground is kept moist, if it is pastured or frequently cut to prevent the seed from ripening, will continue to grow luxuriantly the entire year.

For Lawns—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures. It is the best grass known for lawns and parks, and where covered with a light dressing of Lawn Fertilizer (see index), watered well and evenly, and cut frequently, will furnish a handsome, velvety lawn for years, requiring no resewing. For pasture, sow 25 to 30 pounds to the acre, but to secure a fine lawn much heavier seeding is required, and not less than 80 pounds should be sown.

Per lb., postpaid, 30c.; 100 lbs., \$14.75.

BLUE GRASS, CANADA.

(Poa Compressa.)

Differs from the Kentucky variety in its flattened, wiry stem. Because of its creeping root stocks, it forms a fine turf; recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

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. Sow 30 pounds to the acre.

Prime Seed Per lb., postpaid, 20c.; 100 lbs., \$6.00.

Fancy Clean, Extra Heavy.

A very superior grade of Red Top that is free from chaff and light seed. One pound of this is better than three of the common. Sow 12 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

MESQUITE.

(Holecus Lanatus.)

It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Sow about 35 pounds to the acre.

Per lb., postpaid, 25c.

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. Sow twenty-five pounds to the acre.

Per lb., postpaid, 30c.; 100 lbs., \$15.00.

English Rye Grass

(Lolium Perenne.)

A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay, and will succeed on any good, tillable land.

For Lawns this is used and recommended by many of the best gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks is very successful. Does not require the close care that Blue Grass does, and will flourish better under trees and in shady localities. For field crop, sow 30 to 40 pounds to the acre, and if used for lawns, not less than 80 pounds.

Per lb., postpaid, 20c.; 100 lbs., \$8.00.

Italian Rye Grass

(Lolium Italicum.)

A quick growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. If farmers knew the merits of this grass better, we are sure they would grow it more extensively and also in the place of cheat, as it produces equally as heavy and a much finer, superior crop. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow in the fall or spring, at the rate of 20 pounds per acre.

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.

BROMUS SCHRADERI.

(Rescue Grass.)

Also known as Bromus Unioloides. It is well adapted to moist, low lands, and gives a large yield of excellent hay in a short period of time, after which it makes green pasture for the balance of the season. The quickness with which it covers the ground and makes pasture or hay after seeding makes it one of the most valuable of grasses. Two or three crops of hay can be cut in a single season.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

Bromus Inermis

(Russian Forage Grass—Awnless Brome Grass.)

This bromus, on account of its strong perennial character, and its unusual drouth-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 four to six tons to the acre. Can be sown in the fall or spring. Sow twenty to thirty pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$12.50.

100-lb. Grass Seed prices subject to change without notice. See note on page 49.

Don't overlook the good books we offer on page 48. The successful farmer reads them.



Orchard Grass.



Bromus Inermis.

Broadcast Seed Sowers are now very reasonable in price. See page 62.

Grass Seeds—Continued

Meadow Fescue

(*Festuca Pratensis*.)

A perennial variety growing three to four feet high. It roots deep, thus resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures. Valuable to mix with other kinds. Use 30 pounds per acre when sown alone. Per lb., postpaid, 25c.; 100 lbs., \$11.50.

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. It spreads almost entirely from the roots, though also, of course, to a certain extent by seeding, if allowed to do so. It is, of all seeds, the most suitable for growing on shingly soil or hill sides, as it can be surface sown on land too rough for plowing or harrowing, though it would, of course, take better where ground was plowed or even scratched over with a harrow. It can be sown either in spring or fall, while climatic conditions are favorable. Sow from 20 to 30 pounds to the acre.

Per lb., postpaid, 35c.; 10 lbs., \$2.30; 100 lbs., \$20.

TALL MEADOW OAT GRASS.

(*Avena Elatior*.)



Tall Meadow Oat Grass.

Often attains a height of three to four 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 pounds per acre alone, or half that amount if mixed with the above varieties.

Per lb., postpaid, 35c.; 100 lbs., \$20.

JOHNSON GRASS.

(*Sorghum Halepense*.)

A perennial of luxuriant growth. It has strong roots that penetrate to considerable depth, enabling it to withstand drought well. It belongs to the Sorghum family and is sweet and nutritious and much relished by stock. Per lb., postpaid, 35c.; 100 lbs., \$15.00.

PHALARIS REED CANARY GRASS.

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. Very valuable for the low lands along the Columbia and Willamette Rivers. It is little affected by either drought or cold and thrives well in the shade. The roots are very strong and creep extensively, making this grass particularly valuable for binding river banks. Makes a good hay if cut early in the season. Sow 10 pounds per acre. Price, 1/2 lb., 45c.; lb., 90c., postpaid; by freight, 5 lbs., \$3.75.

CREeping BENT GRASS.

(*Agrostis Stolonifera*.)

Well adapted for sandy pastures, near the coast, and good for pasture on low lands, especially when the bottoms are sandy; also for lawns, as it makes a fine and enduring turf. If sown alone, use 25 pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

RHODE ISLAND BENT GRASS.

(*Agrostis Canina*.)

This somewhat resembles Red Top. It makes a close sod and is valuable for permanent pastures and meadows. Per lb., postpaid, 40c.; 100 lbs., \$25.

IT DOES NOT PAY

To buy cheap Grass Seed just to save two or three cents per pound. What does it amount to? Comparatively nothing. You may save twenty-five or fifty cents per acre at seeding time, but you will have a ton or two less hay at cutting time.

CRESTED DOG'S TAIL.

(*Cynosurus Cristatus*.)

A perennial grass with short, narrow leaves, particularly valuable for lawns or pastures on dry, light land. Per lb., postpaid, 55c.; 10 lbs., \$4.00.

MEADOW FOXTAIL.

(*Alopecurus Pratensis*.)

One of the very best for permanent pasture. Stands intense summer heat without burning. Sow 25 pounds to the acre. Per lb., postpaid, 45c.

BERMUDA GRASS.

(*Cynodon Dactylon*.)

Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season, and for summer pasture is very valuable. Sow 6 pounds per acre.

Per lb., postpaid, 90c.

HARD FESCUE.

(*Festuca Duriuscula*.)

A fine, rather dwarf growing variety, justly noted for its drought-resisting qualities. Prized by some for lawns. 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 for sheep pasture is that it occupies land where better grasses refuse to grow. 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. All stock like it.

Per lb., postpaid, 45c.

ROUGH-STALKED MEADOW GRASS.

(*Poa Trivialis*.)

A most valuable grass which flourishes in moist, rich soils. Twenty pounds to the acre.

Per lb., postpaid, 55c.; 10 lbs., \$4.00.

FOWL MEADOW.

(Or False Red Top.)

It yields well when sown on low, moist land, and stands longer in good condition for cutting than most grasses. It can be mowed almost any time from July to October. Sow 25 pounds to the acre, in the spring or fall.

Per lb., postpaid, 40c.

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.



Meadow Fescue.
or English Blue Grass.



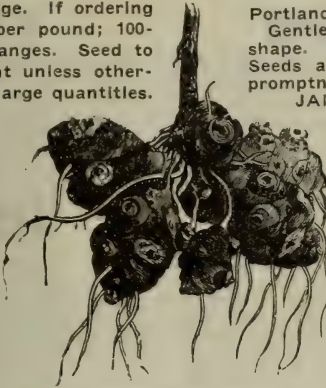
English Rye Grass.

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. Write for prices on large quantities.

Artichokes

Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best hog feed known. They 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 also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk, and at the same time improving their condition. Plant in April or May, two bushels to the acre. Per lb., postpaid, 15c.; 100 lbs., \$2.



ARTICHOKE TUBERS.

Australian Salt Bush

A Fine Forage Plant for Arid Soils.

This is a most wonderful forage plant, as it 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. It is of creeping habit. It has been proved that after three or four crops have been grown on alkali land that the soil is then capable of producing any other vegetation. This plant has been very extensively tried at the California Experimental Station, where 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 of brush. If desired, plants may be grown by sowing the seed in boxes or garden bed, covering lightly, and planting the seedlings when desired, when from 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., 15c.; 1/4 lb., 60c.; lb., \$1.80, postpaid. Special price in quantity.



JAPANESE BUCKWHEAT.

Portland Seed Co.

Jan. 8, 1905.

Gentlemen: Grain and Seed came in good shape. I am pleased with the Barley, Oats, Seeds and others, and thank you for your promptness in shipping goods. Yours truly,
JAMES P. REYNOLDS, Kelso, Wash.

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., \$2.25.

White Hulless (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 crop 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., \$4.00.

Chevalier. A great improvement on the regular Barley. This is much earlier, free from rust and an enormous yielder. Will outyield common barley two or three times. It stands up well and seems to be adapted to all kinds of soil. The heads are always filled with good, plump, heavy grains that have a very thin hull. Per lb., postpaid, 20c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

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.

The First Book of Farming

By Charles L. Goodrich.

No one interested in farming, old or young, can fail to appreciate this book, for it really gives a fundamental knowledge of how to conduct a farm with the least expense and the largest return. There are sixty-three full pages of helpful illustrations. The price is extremely low for a work of such value.

Price, \$1.10, postpaid.

Buckwheat

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

Silver Hull. A very good and popular variety. Grain is of a light gray color, rounder than the common; has a thin husk; matures earlier and yields heavily. A good milling variety.

Per lb., postpaid, 15c.; 100 lbs., \$3.00.

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

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

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.; 100 lbs., \$8.50.

Bird Seed

Not for Planting.

P. S. Co.'s Best Mixed.....	Per lb., postpaid, 20c.
Canary—Best Re-cleaned.....	Per lb., postpaid, 20c.
Hemp.....	Per lb., postpaid, 20c.
Millet.....	Per lb., postpaid, 20c.
Rape.....	Per lb., postpaid, 20c.
Cuttle Bone. Large Bone.....	Postpaid, 2 for 5c.

Field and Miscellaneous Farm Seeds—Continued

Read the note, top of page 53, regarding prices of field seeds.

Cheat Seed

Cheat yields a good crop or may 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 lbs. per acre.
Per lb., postpaid, 15c.; 10 lbs., 25c.; 100 lbs., \$1.50.

Corn Wheat

(Or German Roggen.)

This new cereal has been gaining in popularity very rapidly the last few seasons. It is claimed that it will out-yield corn and double the yield of wheat. The kernel is hard, and when ground it makes the same kind of meal as corn, and has superior fattening qualities to either corn or wheat. It yields 50 to 100 bushels of grain which is excellent for fattening hogs or cattle. It takes the place of rye for a green food, yielding nearly twice as much per acre. Every farmer should give this a trial. Prepare your ground the same as you would for oats or wheat, and sow in the spring or fall, at the rate of 75 to 100 pounds to the acre.

Price of Seed: Per lb., postpaid, 20c.; by freight or express, 10 lbs., 75c.; 100 lbs., \$4.75.

Portland Seed Co.

Gentlemen: The Corn Wheat we purchased of you last year did fine. Yours respectfully,
W. A. PREWETT, Parkersburg, Oregon.

Cow Peas

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

Whip-Poor-Will. The earliest maturing variety of upright or bush growth. The seeds may be gathered and the plants harvested more readily than with the running type of growth.

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

Clay. These vine more than the Whip-Poor-Will and are most desirable for ensilage; for this purpose the seed should be planted in the hills with field corn, as the vines running up the corn-stalks are easily harvested and the combination of corn-stalks and bean vines makes excellent ensilage, and the land is more readily cultivated than where the Cow Peas are sown alone.

Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

Black Eyed. Quick grower. Peas white, with black eye. A good cropper and an excellent soil enricher.

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., \$3.00.

Blue Prussian. Very much like the above, except in color. This variety is largely sold for soup peas.

Per lb., postpaid, 15c.; 100 lbs., \$3.25.

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.; 100 lbs., \$4.75.

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., \$2.00.

Idaho Pea or Coffee Berry

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

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

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 apart, using six to eight pounds of seed per acre.

Per lb., postpaid, 25c.; 100 lbs., \$5.50.

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, 20c.; 100 lbs., \$8.00.

Millet

Sow in April, May or June, 12 pounds for seed or 20 pounds 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., \$4.00.

Hungarian. A dwarf annual Millet. It is finer than the Common 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.

Oregon Golden. An improved variety, medium early, growing from

three to five feet high. The heads are closely condensed, though the spikes are very numerous. The seeds are contained in rough, bristly sheaths, and are round, golden yellow and beautiful in appearance.

Per lb., postpaid, 20c.; 100 lbs., \$4.75.

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., \$4.50.

Common. A variety growing from three to four feet high, having rather broad blades and strong stalks. For a seed crop sow fifteen pounds per acre; for hay and pasture use 30 pounds. Per lb., postpaid, 20c.; 100 lbs., \$3.75.



MILLET.

Farm and Field Seed prices subject to market changes. Write for special quantity price.

Field and Miscellaneous Farm Seeds—Continued

Seed Oats

The country is flooded with poor Seed Oats that are hardly fit to plant, and yield only 20 to 30 bushels of inferior grain per acre. It is better to sell these oats for feed and sow improved varieties that will yield two or three times as much. New Seed Oats will cost you a few dollars more at the start, but the increase in yield will make up the difference and leave you a handsome profit. Try it this season and see for yourself. Read reports, on next page, and then figure out the profit.

Great Western

Introduced by Us Last Year.

A New Oat for Oregon. A Regular Gold Mine.

The earliest Oat in cultivation; may be sown as late as June. Heavy yielder, grain plump, hull thin, kernel meaty, an excellent stoler and stands up well.

Every one who has seen the grain of this new Oat pronounces it at once a very handsome Oat. The grains are extra large, of fine, bright color, short and plump and perfectly smooth and free from beards. We pronounce it the finest looking Oat we have ever seen. The yield, quality and size of the grain this past season was excellent, the stand was heavy, the straw grew strong, and heads filled out remarkably well. This was the second off oat year and we should think our customers would see the value of planting an oat that is a sure yielder. We saw many fields of Oats this year, the result of sowing inferior seed, that were not worth cutting. There is no question but what it pays to sow high grade, improved, pedigree Oats. What does a few dollars spent in good Seed Oats at planting time amount to, compared with a difference of yield at harvest of 50 to 60, and possibly 100 bushels per acre?

Last year our stock of this new oat was so limited that we sold only one sack to a person. This year we have a larger stock but feel quite certain that we will be out before the season is over, so if you want to get a start of these Oats this year, order early.

Price, per lb., 20c., or 4 lbs. for 75c, postpaid.

By express or freight, peck, 60c.; bu., \$1.50; 3-bu. sack, \$4.

Our Grower Reports as Follows:

Just 91 days from day of seeding, your Great Western Oats were in the shock and could have been cut five days sooner. The yield of clean, heavy seed was double that of any other oat in this neighborhood.

Portland Seed Co.

Sept. 22, 1905.

Gentlemen: With regard to Great Western Seed Oats, they made an average of 80 bushels to the acre on land that very little rain fell on, about 13 inches annually. The oats were of very fine quality and proved entirely satisfactory. Yours truly,

C. W. PEARSON, Starbuck, Wash.

Order a sack of these Oats. You will not be disappointed.

See Shadeland Wonder Oats, next page.

Well Known Oats

In addition to above named oats, we always aim to have a selected, re-cleaned stock of some or all of the following varieties:

American Banner, Welcome, Mortgage Lifter, Lincoln or New Zealand Oats. Gray or Black Winter Oats.

These oats we aim to sell at about the market price for No. 1 Clean Seed Oats. When ready to buy, write us for prices, stating quantity wanted, or order at \$1.75 per 100 lbs., \$32.00 per ton, which is average selling price and we will send you your money's worth.

Formaldehyde

A Sure Preventive for Smut in Grain.

This was proved at the Experiment Station; likewise the formula was sent to several farmers to report the result, and all claimed a success last spring.

Formaldehyde will be of great benefit to the farmer. What is it? Well, 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. Sent by express or freight only; cannot be mailed.

Price, per pint bottle, 50c.

Don't overlook Shadeland Wonder Oats on following page.



GREAT WESTERN.

Seed Oats—Continued



SHADELAND WONDER.

This halftone cut, made from a photograph, is a true reproduction of one single head of Shadeland Wonder Oats. Note the large number of oats to the head. The cut is one-half natural size.

Shadeland Wonder

INTRODUCED BY US IN 1902.

Without a doubt the greatest side Oat in cultivation, yielding from 75 to 150 bushels per acre, an extraordinary yielder and excellent stooler; the straw is stiff and stands up well, and it has a large, white, heavy kernel covered with a very thin hull, making it the "king of all milling oats." The past season has been a hard year on oats, on account of the extreme dryness of the season, but the Shadeland Wonder in every instance has made a record breaking crop. Of course, the yield of these grand oats this year has been lighter than usual, but even under the trying conditions it has outyielded other sorts two to three times. We have received many favorable reports, a few of which we print below.

Price, per lb., 20c.; or 4 lbs. for 75c., postpaid.

By express or freight, per peck, 60c.; per bu., \$1.50; 3 bu. for \$4.00.

Any one can afford to plant Shadeland Wonder Oats at these prices when you consider results. Read the following reports:

THE BEST THIS YEAR.

Shadeland Wonder Oats done fine; yielded the best of any in this section.

THOMAS BURLEY, Lewisville, Wash.

TRULY FINE OATS.

Gentlemen—Your Shadeland Wonder Oats are truly a fine oat.

MRS. ARMA WISE, Underwood, Wash.

100 BUSHELS PER ACRE.

I am well pleased with the Shadeland Wonder Oats bought of you. Under ordinary conditions they would easily go 100 bu. per acre.

J. S. BRUBAKER, Junction City, Ore.

161 BUSHELS PER ACRE AGAINST 24.

Shadeland Wonder Oats yielded 161 bushels per acre, others went 24 bushels.

O. A. BROWN, Proebstel, Wash.

BEST OATS EVER RAISED.

Shadeland Wonder Oats yielded 80 bushels of splendid looking oats per acre. I consider them the best oats I ever raised.

C. J. LITTLEPAGE, Latourell Falls, Ore.



ONE PLANT DWARF ESSEX RAPE.

POTATOES See Pages 58-59

Rape, Dwarf Essex

True, Pure Seed

One of the best forage plants, on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It is highly recommended by Professor Shaw, as well as many other leading authorities on stock feeding. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily, but it is particularly desirable for sheep and hogs, on account of its fattening qualities. Rape will do well on almost any soil. Very valuable for ploughing under as green pasture. Sheep or lambs can be turned into it within six to eight weeks after sowing. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, four pounds, in drills; or, if broadcast, eight pounds.

Per lb.,

postpaid, 25c.; 10 lbs., \$1; 100 lbs., \$8.00.

Field and Miscellaneous Farm Seeds—Continued

Rye—For Feed

This grain is planted extensively in both spring and fall. It grows quickly and makes a large amount of green feed if cut early; or if left to mature, will produce a profitable grain crop. Spring or Fall. Per lb., postpaid, 15c.; 100 lbs., \$2.

Sunflower

Mammoth Russian. The largest and most productive variety. Heads often 12 to 20 inches across. Every farmer should plant a few rows at least. It makes one of the very best of foods for poultry; a great egg producer.

Per $\frac{1}{4}$ lb., 10c.; lb., postpaid, 25c.

Sugar Cane or Sorghum

Early Amber. The high value of Northern grown Sugar Cane for fodder and ensilage is becoming rapidly known. It may be made to furnish the principal food for cattle and horses from August until the following spring. When fed down young as a pasture it grows rapidly again. It also withstands severe drought with the best of this kind of plants. As a fodder and for winter feed it is one of the most economical. The Early Amber is the best variety for sugar, and it matures quickly.

Per lb., postpaid, 25c.; 10 lbs., \$1; 100 lbs., \$6.00.

Speltz

A Hay and Grain Crop in one. The greatest new grain introduced in years. Try it. You will find it a very profitable crop.

A comparatively new grain of great value. It yields from 50 to 100 bushels of rich grain per acre, and makes four to six tons of good hay. It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect upon it.

After the grain is threshed out, the straw makes good hay, as it contains an oily substance which makes it very fattening and much relished by all kinds of stock. The grain has a hull something like barley. The great secret of Speltz is its superior stouling qualities, its strength to resist drought and the elements, and its rich food and hay value. Sow in the spring, the same as wheat, at the rate of 75 to 100 pounds to the acre. Cut when the grain is past the middle stages of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. The hull and kernel can be fed whole, rolled like barley, or ground.

Price, per lb., 20c.; 50 lbs., \$1.50; 100 lbs., \$2.50.



VETCHES.

Soja Beans

A very valuable fodder plant, either for feeding green or for the silo. It is a rich food and is unsurpassed for forming flesh. Sow 30 pounds per acre in the spring after the ground becomes warm. Like clover, it improves the soil by drawing nitrogen from the air. Very productive.

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

Seed Wheat

Macaroni Wheat. Especially adapted for dry land. Thrives on very little rainfall and yields much more than ordinary wheat.

This wheat will make it possible to harvest a crop from thousands of acres in the Northwest now considered too dry and poor for a crop of ordinary wheat. Culture same as ordinary wheat. The grain should ripen fully before threshing.

Macaroni Wheat was originally imported from Algiers by the United States Department of Agriculture, and has been very successfully grown in the dryer portions of Minnesota and the Dakotas, where ordinary wheat would not produce a paying crop. The highest authorities are enthusiastic for the future of this wheat. They say that it will easily yield 25 to 50 per cent more than the ordinary varieties. Those who have tried it on this Coast are well pleased with results. Can be planted in the spring but fall sowing is generally preferred as it winters well.

Per lb., 30c., postpaid. By freight or express, 10 lbs., 50c. Write for price per 100 lbs.

Orting, Wash., Feb., 20, 1905.

Portland Seed Co.:

Dear Sirs—I planted 10 lbs. of Macaroni Wheat last year and it done so well, I would like to get several hundred pounds. Have been sowing seeds from your house for several seasons and they have always been O. K.

Yours truly, JAS. E. HEMET.

Blue Stem. A remarkable, semi-hard Spring Wheat, yielding large crops, free from rust. Millers pay top price for this variety. It has been the most reliable variety year after year, yielding a good crop when other kinds fail.

Per lb., postpaid, 15c.; peck, 35c.; bushel, \$1.20.

White Winter. A beautiful, large grained, white Winter Wheat, the best kind for fall or winter sowing.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.25.

Red Chaff. A very hardy, productive variety, grain good size, hard and reddish in color.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.20.

When ready to buy Seed Wheat, write us for prices and state quantity wanted.

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 dried. 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., \$3.00.

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., \$12.50.

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.

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

Per lb., postpaid, 35c.

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

SELECTED SEED POTATOES SELECTED SEED

**Pure
True
Tried
Sorts**

**Oregon
Grown.
None
Better**



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 added a few new varieties of great merit to our list, this season, that we can honestly recommend to our customers. We have many customers, North and South, who consider our stock superior to any other.

DAYBREAK (New Potato)

This new potato, brought over from Europe and introduced by us two years ago, has great merit. "Daybreak Potatoes" are the first to ripen. They are ten days earlier than the earliest. This we know is a very strong assertion to make, but we have grown this new variety in the field side by side with other early potatoes, and they are far ahead in earliness, to all other sorts we have tested. The vines are small and compact in growth, but strong and healthy, and not affected with disease of any kind. The vines die down as soon as the tubers are ripened, and do not make a second growth. Daybreak Potatoes mature so early that the ground can be planted in other vegetables, after the potatoes are dug, thus insuring two crops on the same ground in one season. This variety is a good cropper, and the tubers are of a good size, for so early a sort. Skin is a pale pink.

Per lb., 30c.; 3 lbs., 75c, postpaid;
per peck, 75c.; per half bu., \$1.25; bushel, \$2.00.

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, and the earliest variety of good size. These potatoes are oblong in form, averaging 4 to 5 inches in length, with pure white, smooth skin, and few eyes; 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 especially recommend this potato to our market gardeners, or those who wish to work up a trade among private families. 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. We know of no other early potato that can be compared with this one. Don't fail to get a start of these potatoes. Per lb., 30c.; 3 lbs., 75c., postpaid; per peck, 75c.; half bushel, \$1.25; bushel, \$2.

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.; half bushel, \$1; bushel, \$1.50.



DAYBREAK (New Potato).

We offer a new book, "The Potato," 180 pages, by Frazer. See Books, page 48.

We are not mailing POTATO EYES this season, but are sending the whole tuber. It is the best plan.

POTATOES—Continued



Early Maine

For an extra early and heavy crop of choice potatoes, plant the Early Maine. This handsome new potato is almost round; the skin is a deep pink or rose; cooking quality cannot be beaten, and for a large and sure crop of extra early, smooth, nice sized tubers it is a record breaker.

Per lb., 25c.; 3 lbs., 60c.; postpaid; per peck, 75c.; half bushel, \$1.25; bushel, \$2.

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.; bushel, \$1.50.

Write for prices in quantity.

From Photograph.

American Wonder

A Potato for Main Crop.

The American Wonder is one of the best all-round white Potatoes in cultivation. 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.

It is a potato that would be sought after by our commission men, potato buyers, shippers and dealers. We have taken special pains to obtain the opinions of reliable potato dealers regarding this potato and they say: It's certainly a fine potato, a good keeper, and matures early so that we can make early shipments North, a heavy cropper; will greatly outyield Burbanks, and surpasses them in many ways. We advise extensive planting of this sort. Per lb., 25c.; 3 lbs., 60c.; postpaid; per peck, 60c.; half bu., \$1.00; bushel, \$1.50. Write for price in quantity.

Extra Early Bovee

Introduced as a novelty several years ago by Peter Henderson, and it is 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; per peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

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.; half bushel, \$1.00; bushel, \$1.50.

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.)

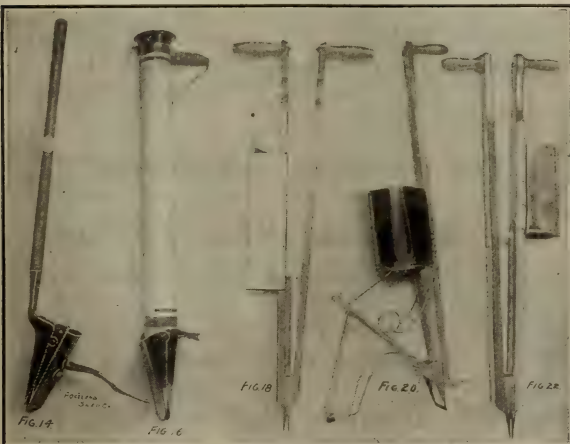
Decidedly the best, hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn (the right number of kernels) exactly where you want it, and at a proper depth. It is light, handy, automatic, easily worked, requiring only one hand (either one), 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.

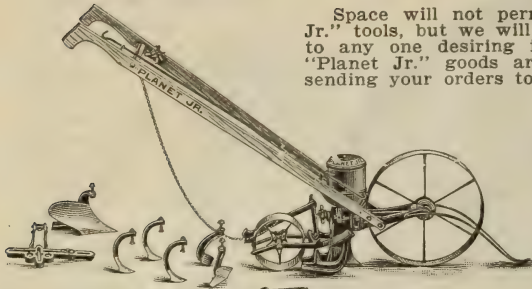
CRESCENT. (Fig. 18.)

Very much like the above, except that it has a square hopper. The feeding device is very accurate. Well made. (See cut.) Price, \$1.25.



"Planet Jr." Farm and Garden Tools for '06

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 to any one desiring it, and we 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, \$14.00; Hill and Drill Seeder only, \$11.50.

This, our latest Planet Jr. Seeder has been under construction for two years past, and has been held back until every detail has been made as nearly perfect as possible.

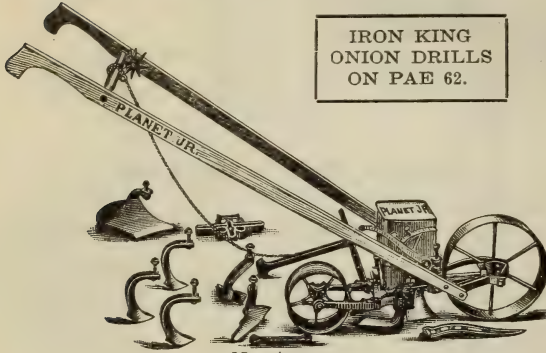
The steel carrying wheel is 16½ inches high, with forged steel spokes, making an easy running tool. Handles adjustable.

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 PAE 62.

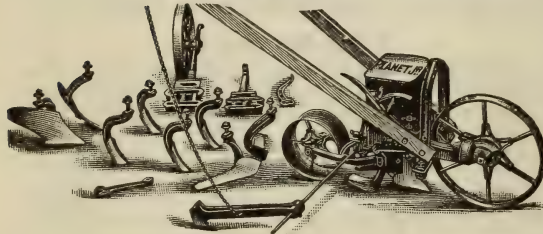


No. 4.

No. 4—Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow. Price, \$11.00; Drill only, \$9.00.

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.

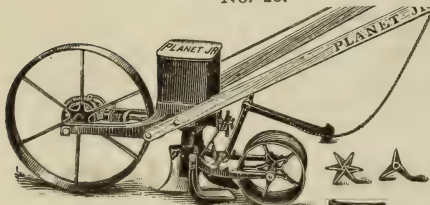
A set of three rakes supplied when specially ordered. Price, \$1.00 extra.



No. 25.

No. 25—Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Price, \$14.00.

It practically combines in one tool the No. 4 Drill and No. 12 Double Wheel Hoe. A combination unequalled. 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.

No. 3—Hill and Drill Seeder. Price, \$11.00.

Hopper holds three quarts; driving wheel has an accurate index. The flow of seed is started or stopped by a single movement of the fore-finger.

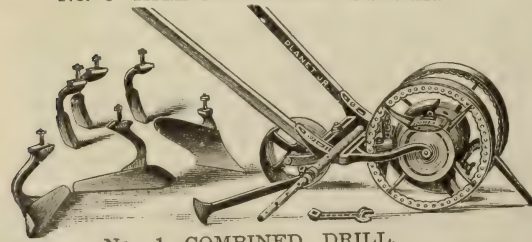
No. 1—Combined Drill. Price, \$10.00.

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 six-tooth rakes supplied when specially ordered. Price, \$1.00 extra.

No. 2—Drill Seeder. Price, \$8.00.

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 62.

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, \$9.50.

Price includes attachments shown in cut.



No. 11—DOUBLE WHEEL HOE.

A complete Planet Jr. Catalog sent free on request.

Planet Jr. Machines—Continued

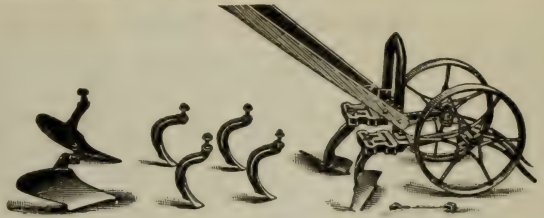
No. 12—Double Wheel Hoe. Price, \$7.50.

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments. (See cut.)

No. 13—Double Wheel Hoe. Price, \$5.25.

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most generally used. Any or all of the other tools shown with No. 11 may be bought of us at any time, and are sure to fit.

Extra Hoes Each, 50c.
Cultivator Teeth Each, 40c.



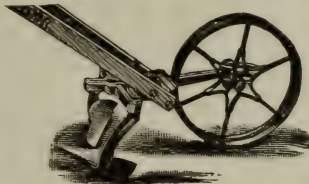
No. 12—DOUBLE WHEEL HOE.



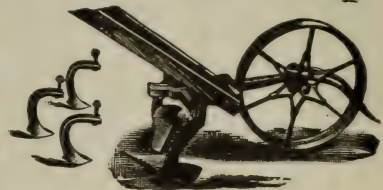
Fig. 60.



Fig. 70.



No. 18.



No. 17 1/2.

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, 17 1/2 and 18 are all the same model; the only difference is in the number of tools sold with each.

No. 18—Single Wheel Hoe. Price, \$4.00.

This tool has the same frame and handles as No. 16, but has only one pair of 6-inch hoes—the tools that are most constantly used throughout the season. All the other tools can be added as needed.

No. 17 1/2—Single Wheel Hoe. Price, \$5.00.

For attachments, see cut.

No. 17—Single Wheel Hoe. Price, \$5.50.

Most popular combination. (See cut.)

No. 16—Single Wheel Hoe. Price, \$6.35.

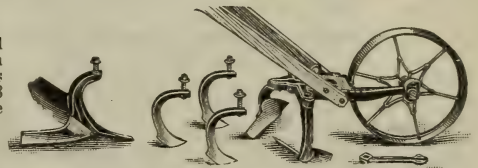
For attachments, see cut.

Fig. 70—Onion Set Harvester. Price, \$1.00.

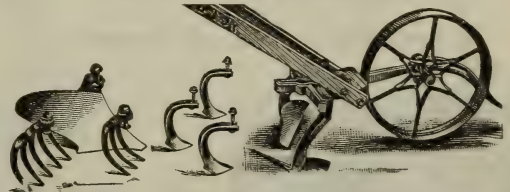
A useful attachment for our Combined Drills and all our Wheel Hoes. Eight-inch size for onions and onion sets. It leaves the crop in the best condition for easy handling.

Fig. 60—New Hoe with Shield. Pair, \$2.00.

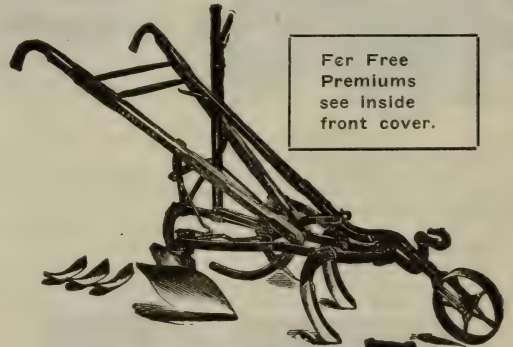
This attachment is very valuable, as you can work up close to the young plants. The shield protects them from clods and dirt that would naturally fall back on them. For double wheel hoes, both right and left.



No. 17—SINGLE WHEEL HOE.



No. 16—SINGLE WHEEL HOE.



PLANET JR. No. 8 HORSE HOE.

For Free Premiums see inside front cover.

Horse Tools

No. 8—Horse Hoe and Cultivator. Price, with attachments as in cut, \$10.00.

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, \$8.50.

Similar to No. 8, but without lever attachment on the wheel.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, complete, \$10; without Pulverizer, \$8.25; without Wheel or Pulverizer, \$7.

This tool has rapidly grown into 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 \$42.00

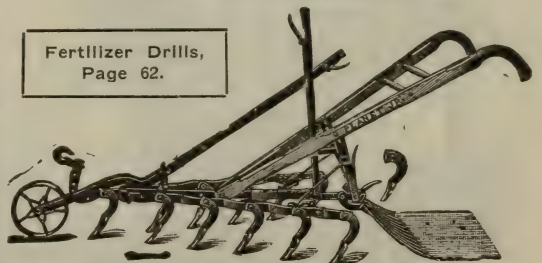
No. 45—Riding Harrow and Cultivator, with extensions 45.00

No. 72—Two-row Pivot Wheel Cultivator, complete 62.00

No. 70—Pivot Wheel Cultivator, complete 47.00

No. 74—Pivot Wheel Cultivator, complete 50.00

Fertilizer Drills, Page 62.



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.

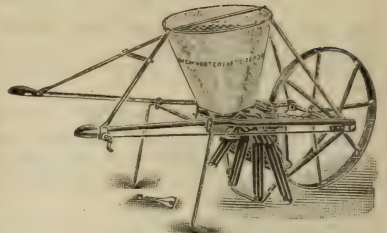
Drills and Seeders—Continued

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. (See testimonials below.) 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 the 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 McWHORTER FERTILIZER DRILL 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. Shipping weight 61 pounds.



Price, complete, \$13.00.
Hood River, Oregon.

Portland Seed Company.

The McWhorter Fertilizer Drill distributes fertilizer in a thoroughly satisfactory manner and is a very practical tool. The fertilizer runs through it without clogging. It is simple and compact, and I am very much pleased with results obtained from its use. Yours truly,
S. C. ZIEGLER,

White Salmon, Wash.

Portland Seed Company.

The McWhorter Fertilizer Drill is the best drill I have seen. You can place all the fertilizer in a single or double drill or practically broadcast. A great labor saver and popular with all my neighbors. Yours truly,
E. H. SHEPARD,

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 lifetime. 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.

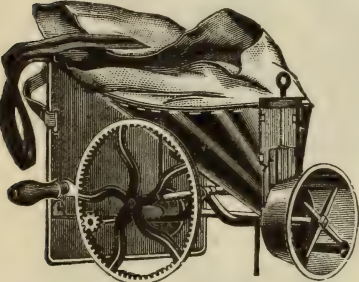
Price, \$9.25.



IRON KING.

Broadcast Seed Sowers

Every farmer should have one.



CAHOON.

IMPROVED CAHOON.

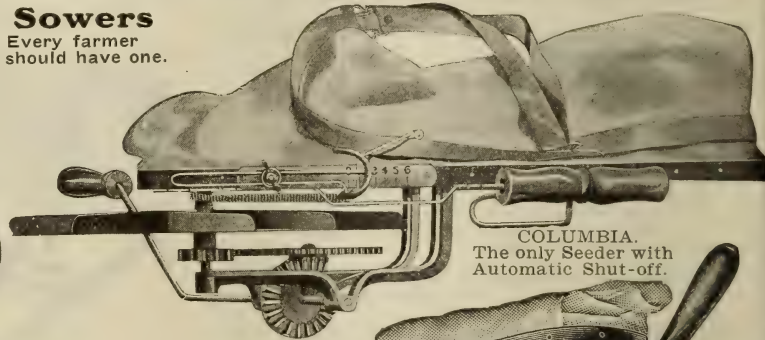
This machine is probably the most popular. It has a force feed and does excellent work. Instructions with each machine.

THE COLUMBIA.

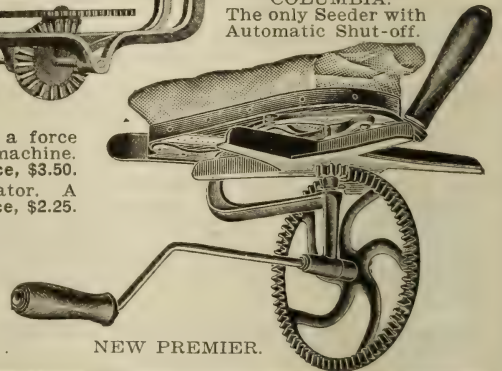
Neat and simple. Has automatic cut-off and regulator. A good low-priced machine.

NEW PREMIER

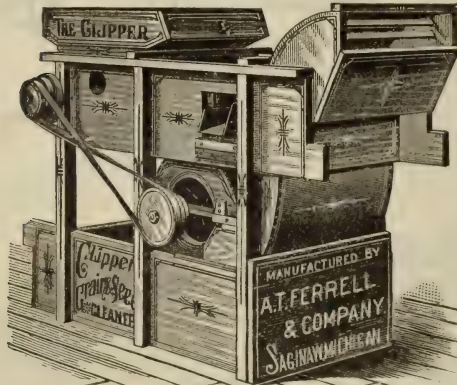
For sowing any kind of seed or grain. The best low-priced, hand seed sower on the market.



COLUMBIA.
The only Seeder with Automatic Shut-off.



NEW PREMIER.



No. 1 CLIPPER.

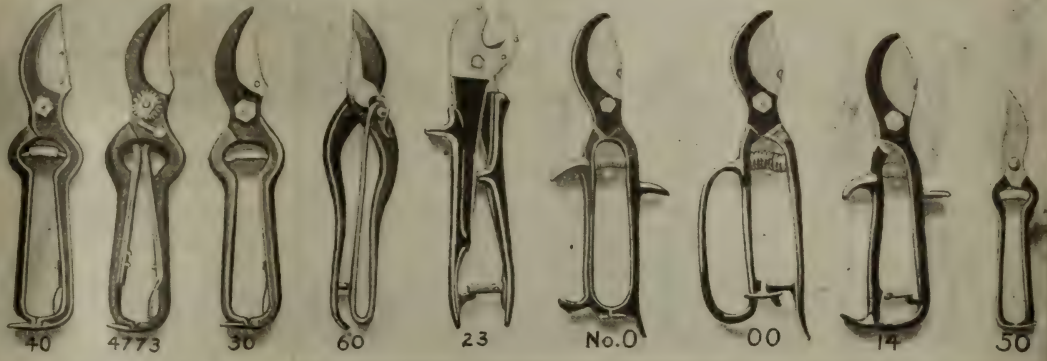
The Clipper

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, 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. Descriptive catalog sent on request. Price: No. 1, \$28.00; No. 2, \$35.00. We have used "The Clipper" for years ourselves. It's O. K.

We are Pacific Coast Agents

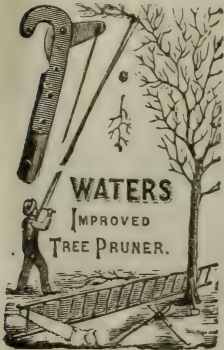
Pruning Tools, Knives, Weeders, Etc.



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. 30.—9 inch; German make; black finish; polished blade; very good.....75c.; postpaid, 90c.
- No. 50.—6 inch; nickel plated; small, but of best material; fine for ladies.....75c.; postpaid, 85c.
- No. 51.—Same as above except that it is 7 inches long..... \$1.00; postpaid, \$1.10.
- No. 23.—Levin Pruner, 7 inch; new style, cuts clean; cuts 1/2 inch..... Postpaid, 75c.
- No. 24.—9 inch; same style as above; cuts 3/4 inch. Postpaid, \$1.00.
- No. 14.—Good low-priced tool. 50c.; postpaid, 65c.

- No. 12.—Similar to 14; steel spring..... 55c.; postpaid, 70c.
- No. 0.—Cheap but good.....40c.; postpaid, 55c.
- No. 0 1/2.—Similar to 0; flat spring 45c.; postpaid, 60c.
- No. 00.—Loop handle; very handy..... 50c.; postpaid, 65c.
- No. 60.—Perfection, 9 inch; imported French shear, powerful and strong; cuts easily..... \$3.00; postpaid, \$3.15.
- No. 61.—8 inch; same as above..... \$2.75; postpaid, \$2.85.
- No. 62.—7 inch; same as No. 60..... \$2.50; postpaid, \$2.60.



LONG HANDLE TREE PRUNERS.

Indispensable in pruning tall trees (see cut).
6 feet, 75c.; 8 feet, \$1.00;
10 feet, \$1.10; 12 feet, \$1.25.
Cannot go by mail. Purchaser will have to pay freight or express charges.

PRUNING SAWS.

Crescent, 12 in. blade 65c.
Crescent 14 in. blade 75c.
Straight Blades, 16 in. 60c.
Straight Blades, 18 in. 65c.
Straight Blades, 20 in. 70c.

GRAFTING WAX.

1/4 lb., 10c.; 1/2 lb., 35c.; postage, 18c. per lb.

RAFFIA.

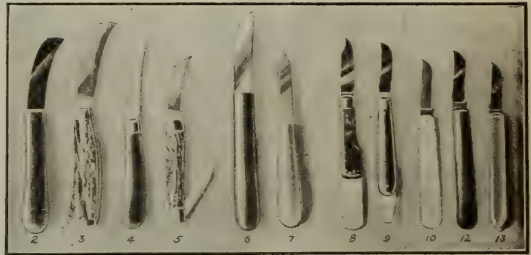
For tying plants and buds. Lb., 25c.; by mail, 50c. For colored Raffia, see page 80.

BRANCH SHEARS.

Very convenient, strong, and cuts easily (see cut).
26-in. handle.....\$1.00.
41-in. handle..... 1.25



BRANCH SHEAR.



Note.—Compare numbers on cut to those below.

BUDDING KNIVES.

- No. 8.—Ebony handle, stationary ivory bark opener; price..... \$1.00
- No. 9.—Wood handle, polished, movable ivory bark opener..... 80c.
- No. 10.—Ivory handle, very light and fine...\$1.00.
- No. 12.—Black handle; very light and fine...80c.
- 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, smaller.....25c.

PRUNING KNIVES.

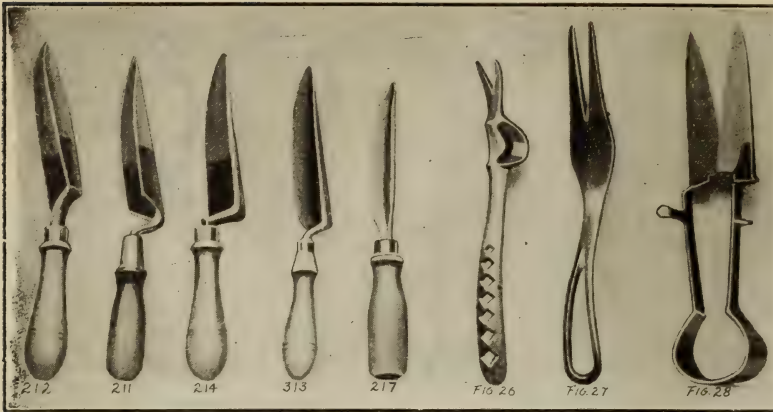
- No. 2.—Plain wood handle, stationary blade...50c.
 - No. 3.—Large horn handle, very strong.....\$1.50.
 - No. 4.—Polished wood handle.....85c.
- Will send any of the above Knives, postpaid, at these prices. See numbers on cut.



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).

Tools, Garden and Florist Supplies—Continued



See descriptions of numbers on above cut.

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 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. Seven inch; 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.

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" can be 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.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY.

Semi-liquid, to be used same as Mastica. Per gal., \$1.40.

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. Price, 75c.

MISCELLANEOUS FLORISTS' AND NURSERYMEN'S SUPPLIES.

- BOOKS.** For florists. See page 48.
- BOSTON SCRIPT LETTERS.** Neatest and best made. Can supply the following words: Asleep, Baby, Husband, Wife, Grandma, Grandpa, Father, Mother, Brother, Sister, At Rest, Our, My. Price, per letter, 4c.
- CHENILE** for letters. Purple, light blue, red, white, yellow. Per skein of 12 yards, 35c.
- 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. 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 pounds each for florists' and nurserymen's use. Write for price by ton or carload. Per lb., 5c.; 100 lbs., \$3.00.

RED CLAY FLOWER POTS.—We buy them by the carload and sell them at the right prices. Florists' and nurserymen's trade especially solicited. Prices on request. See page 80.



In this new tool you get a sickle, weeder and grass edger, 3 in 1.

Price, 75c.

DANDELION PULLERS.

A most convenient tool for digging these troublesome weeds.

Fig. 26—Vaughn's (See cut), 50c.; postpaid, 60c.

Fig. 27—Whitnall's (See cut). 30c.; postp'd, 45c.

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. 80c.; postpaid, 90c.

GRAPE SHEARS.

Made like the above. 80c.; postpaid, 90c.

GRASS HOOKS OR SICKLES.

These are regular style and shape. English. First class75c. German. No. 2, good grade.....35c. German. No. 1, best cheap sickle30c.

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.



- THERMOMETERS.** Made for hot beds. Each \$1.
- TWEEZERS.** For florists; 5 inch.....Each, 25c.
- TIN FOIL.** Florist, regular stock.....Lb., 15c.; 10 lbs., \$1.25. Pure, very best grade.....Lb., 65c.
- WIRE.** Bright annealed, No. 30.....Per lb., 20c.
- WIRE HANGING BASKETS.** 8 in., 20c.; 10 in., 25c.; 12 in., 30c.; 16 in., 60c.
- WOODEN LABELS.** Tree Labels. Per M. Per M. Painted, wired.....\$1.00; not wired, \$0.70. Unpainted, wired.....\$0.85; not wired, \$0.60. Painted, copper wired..\$1.10; not wired, \$1.00.
- Pot Labels.** 4 inch, plain.....\$0.65; painted, \$0.80. 5 inch, plain.....\$0.85; painted, \$1.05. 6 inch, plain.....\$1.25; painted, \$1.40. 8 inch, plain.....\$1.50; painted, \$1.75.

We import annually large quantities of Flowering Bulbs and Roots for Florists' and Gardeners' use. Catalog and prices on request.

PLANT DEPARTMENT

Our Oregon Grown Plants

Our trade in Plants and Nursery Stocks has grown very rapidly the past few years. Why? Because we take great pains and care in the growing, selecting, packing and shipping of all plants and they please the buyer; read a few of the reports from our satisfied customers. Our orders are filled promptly with large, strong, well-rooted plants that will grow and produce lovely flowers the first season.

Roses

Our Two Year Old Dormant Bushes

They 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.

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 much until the second year.

New and Rare Roses, 1906 Collection

Price, one-year-old plants, 25c. each; set of 10 sorts, \$2.00. No two-year-old plants except as stated.



Frau Karl Druschki.

Baby Rambler (Mme. Norbert Levavas-seur).—Large trusses of crimson flowers, similar to the Crimson Rambler, but instead of climbing, the plants form dwarf compact bushes, not over eighteen inches high, with clean, dark green foliage, which is never attacked by disease or insects, and is perfectly hardy; the most unique and novel feature about it is the phenomenal freedom with which it produces its flowers. In this respect it outclasses any rose of any type known, the plant being never out of bloom from early spring until stopped by hard frost late in the autumn, and if grown indoors it will flower the year round.

2-year-old plants, 75c. each.

Frau Karl Druschki.—The famous new sensational rose from Germany. Pure ivory white; massive flowers on long stems. The finest white rose of this class, and will be planted largely when its good qualities become known.

2-year-old plants, 75c. each.

General McArthur.—Color, brilliant scarlet. One of the most fragrant of the June-scented roses, and a true everbloomer. Lasts finely when cut, and is hardy out of doors. The best everblooming red rose yet introduced.

2-year-old plants, 75c. each.

Ideal.—This lovely rose is a daughter of the acknowledged Queen of Roses, the beautiful and well-known "La France." Like its illustrious parent, is quite hardy, but a much stronger grower. It throws up long, quick-growing stems which are surmounted by long buds opening into large double flowers of light, silvery-pink and is exceedingly beautiful.

Killarney.—A beautiful grower with elegant dark foliage, young growths bronzy-plum color; stiff, tall, upright stems bearing extra long buds of Niphotos shape. Color, deep shell pink with silvery shadings.

La Detroit.—Shell pink, shading to soft rose; reverse of outer petals, cream colored; fragrance like that of old Bon Silene. In form, it is large, cup-shaped; petals, shell like. Rich, glossy foliage; a rampant, vigorous grower, producing long shoots.

Miss Alice Roosevelt.—A grand new hybrid tea rose of American origin, which will be sure to become one of our best-known varieties. Extremely hardy and very free blooming; flowers large and handsome, borne on long stout canes, clothed with beautiful foliage.

Yellow Maman Cochet.—A pure tea rose, very free-growing and hardy in character, withstanding ten degrees below zero. It throws up fine, strong stems, crowned by solitary buds of grand size; the color is a good sulphur-yellow, blooms very large, perfectly double, splendid form and freely produced. It has every quality necessary to make the ideal yellow bedder, ranking with the White and Pink Cochets in value as a summer rose.

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 carmine-rose.

Uncle John.—A magnificent rose, with large, full, finely formed flowers; buds long and beautiful. Color rich creamy white, exquisitely tinged with golden yellow and clear rose, making a flower of indescribable beauty.

Roses—Continued

Gold Medal Collection, Fine New Roses

Price, one-year-old plants, 20c. each; set of 6 sorts, \$1.00. Set of 6 sorts in two-year-old plants, \$3.00.

Bessie Brown.—Color, pure white, sometimes faintly flushed pink; petals enormous and of shell shape; it is marvelous that such large flowers can be so freely produced. 2 year, 60c.

Franz Deegan.—This beautiful yellow Hybrid Tea is a fine grower, having dark leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size. It is a constant bloomer, opening its buds freely. A strong healthy grower, not subject to mildew. 2 year, 75c.

Ivory.—A pure white Golden Gate, a sport from that variety. Its extraordinary freedom, large size, heavy canes and pure color, all tend to make it a valuable variety. 2 year, 50c.

Liberty.—A grand new crimson scarlet Hybrid Tea Rose. It is very free blooming, every shoot producing a beautiful and richly colored bud and flower which does not fade in the hottest sun. The flowers are large, double, and of fine form. 2 year, 50c.

Lady Battersea.—This variety has long, oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson; an unusually showy variety. The only red rose approaching Niphetos in form. 2 year, 75c.

Winnie Davis.—A fine new American pedigreed rose, raised by a cross between the famous Kaiserine Augusta Victoria and Belle Siebrecht. Color rich apricot pink, shaded to flesh at base of petals. Beautifully formed buds and flowers. 2 year, 75c.

Portland Seed Co.

April 9, 1905.

Gentlemen: I received my order from you a few days ago and was so well pleased with my plants. They were much nicer than I expected. I have always sent my orders to Eastern companies and they send such small plants, one is sure to lose most of them. I received one of your catalogs and decided to give you a trial, and the result was that I am so well pleased with my plants, Portland Seed Co. will receive my orders hereafter.

MRS. E. L. NEEDHAM, Kent, Oregon.

Portland Seed Co.

March 8, 1905.

Dear Sirs: Just a few lines to thank you for the excellent manner in which you filled my little order of \$5.00. I am very much satisfied. The first lot of plants arrived two weeks ago in fine condition and were immediately set out. I never received a better lot of small rose plants and they are all growing nicely. The Canna Root arrived today and seems fresh and good. That completes the order. I thank you. Yours truly,

J. F. GALBRAITH, Grants Pass, Oregon.

American Beauty Collection Choice Everblooming Roses

Price, one-year-old plants, 15c. each; set of 10 sorts, \$1.25. Two-year-old bushes, 35c. each; set of 10 sorts, \$3.00.

***American Beauty.**—One of the largest, sweetest and best of all hardy roses. 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.

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.

Helen Gould.—A splendid free-blooming variety which every lover of fine roses must have in their garden. A strong, healthy grower, producing freely flowers of the largest size and very double. The color is a brilliant rosy crimson, exquisitely shaded orange scarlet. Very bright and delightfully sweet.

***Kaiserin Augusta Victoria.**—Color, pure white. We have no hesitancy in saying that this rose is unequaled by any other variety of its color. A grand garden rose on account of its vigorous growth and hardness. (See cut.)

***Madame Caroline Testout.**—A grand new rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom.

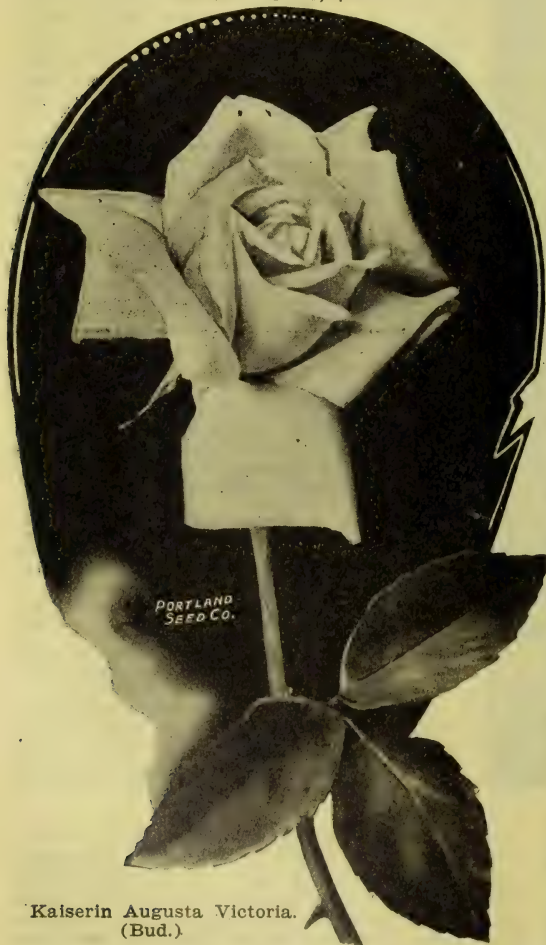
***Maman Cochet.**—This is one of the most beautiful new Tea Roses that has been introduced in years. The color is a deep, rosy pink, the inner side of petals silvery rose; makes charming bunches of long-stemmed flowers when cut.

Sunset.—This grand rose is a favorite wherever known. The color is a rich, golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

***Virginia R. Cox.**—Color fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose in existence. The mass of color produced is wonderful, and the handsome foliage adds materially to its appearance.

Viscountess Folkstone.—Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish; one of the most beautiful varieties in cultivation; should be in every collection.

***White Maman Cochet.**—The name describes this new rose—pure white, grand substance, immense size, exquisitely fragrant and a free bloomer. Buds long and pointed, keeping a long time when cut.



Kaiserin Augusta Victoria.
(Bud.)

Favorite Collection of Everblooming Roses

Price, one-year-old plants, 10c. each; set of 12 sorts, \$1.00. Two-year-old bushes, 35c. each; set of 10 sorts, \$2.75.

***Bridesmaid.**—A fine, clear, dark pink, the counterpart of Catherine Mermet in size and shape of flowers and habit of growth, but much deeper in color and vastly more beautiful.

Bon Silene.—The buds are very handsome and produced in great profusion. Color, dark, rosy carmine. A general favorite.

Duchess de Brabant.—Color, a soft, rosy flesh, changing to deep rose, shaded amber and salmon; delightful tea scent; beautiful buds and flowers. A rose having every desirable quality.

***Golden Gate.**—Creamy white; center and base of petals soft golden yellow, exquisitely bordered with clear rose; buds long and pointed. Its extraordinary size and free-blooming qualities commend it to every one who wishes the finest roses.

***La France.**—Perhaps no rose is better known or more highly valued than 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.

Madame Francisca Kruger.—The striking color of this handsome rose places it at the front as a bud-producer in the open ground. It is closely allied to Catherine Mermet in everything save color, which is deeply shaded, coppery yellow. One of the finest roses in existence.

***Papa Gontier.**—Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson. One of the very best and most valuable for open ground. No other red tea rose can compare with it.

***Perle des Jardins.**—This magnificent yellow tea rose still retains its position as one of the finest and most beautiful roses of its color ever produced. The color is a clear, golden yellow, an indescribably rich and beautiful shade, and entirely distinct from any other variety.

Rainbow.—An elegant, striped rose, bearing freely 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.

Safrano.—Lovely apricot yellow flowers; very beautiful in bud state. Chaste and elegant.

***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 from three and a half to four inches in diameter.



Perle des Jardins.

***White La France.**—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush, clouding the depths of its broad petals; the buds and flowers are extra large, very full and finely formed; the fragrance is delicious.

Grand Prize Fancy Tea Roses

Price, one-year-old plants, 15c. each; set of 10 sorts, \$1.20. Two-year-old bushes, 35c. each; set of 10 sorts, \$3.00.

***Catherine Mermet.**—A very beautiful tea rose, valued highly for its beautiful buds; faultless in form, and charming 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.

Coquette de Lyon (Yellow Hermosa).—A very free flowering, deep yellow rose, handsome buds and flowers.

Etoile de Lyon.—Sulphur yellow, deeper in the center; very large, full, and of fine form. One of the finest yellow roses.

Homer.—Beautiful folded buds of a light rose color; often peculiarly spotted with white; a fine bedder; very handsome and distinct.

Isabella Sprunt.—Bright canary yellow; large, beautiful buds; valuable for cut flowers; very sweet tea scent; profuse bloomer.

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.

***Madame Welche.**—Flowers very large and double, of the finest form; the outside petals pale yellow, the center deep orange, often shaded reddish copper. A grand garden rose.

Meteor.—Remarkably rich, dark velvety crimson; flowers of good size, very double; vigorous, bushy grower, with foliage of the deepest green.

Marie Van Houtte.—Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine; occasionally the whole flower will be suffused with light pink.

Niphetos.—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.



Etoile de Lyon.

Portland Seed Co.

March 24, 1905.

Gentlemen: The plants you sent me are just fine and growing lovely. Many thanks for sending me such nice ones. Yours truly,

MRS. GREEN, Weiser, Idaho.

Diamond Collection Hybrid Perpetual Roses

Price, one-year-old plants, 10c. each; set of 12 sorts, \$1.00, postpaid. Two-year-old bushes, 35c. each; set of 12 sorts, \$3.00.

Baron de Bonstettin.—Flowers double and full; color rich dark red, passing to deep, velvety maroon.

Captain Christy.—Color, a lovely shade of pale peach, deepening at the center to a rosy crimson.

Coquette des Alps.—A lovely, pure white rose; large, full, finely formed flowers, borne in great profusion.

***Gloire Lyonaise.**—Color, chamols yellow, deepest at the center, passing to creamy white; large, full, sweet, and very distinct.

***General Jacqueminot.**—Bright, shining crimson, very rich and velvety; exceedingly brilliant and handsome; makes magnificent buds, and is highly esteemed as one of the best and most desirable for open ground.

***Magna Charta.**—Pink, suffused with carmine; full, globular flowers; very large and double; one of the very finest.

Margaret Dickson.—Its large flowers are elegantly formed and well presented on long, stiff stems; they are pure white, with pale flesh center.

Mrs. John Laing.—Very free flowering; color, a soft, delicate pink with a satiny tinge.

Paul Neyron.—Deep, shining rose; blooms freely and is unusually strong and vigorous; the largest variety in existence.

***Prince Camille de Rohan.**—Very dark, rich, velvety crimson, passing to intense maroon, shaded black; one of the darkest roses, and very handsome.

***Ulrich Brunner.**—This is really a magnificent rose; extra large, bold flowers, full and globular, petals large and of a good substance; color, rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer; one of the best for forcing.

Vick's Caprice.—Flowers very large ground color soft satiny pink, distinctly striped and dashed with white.

Skylark Collection Finest New Climbing Roses

Price, 20c. each; six sorts, \$1.00. Two-year-old plants, 35c. to 50c. each.

Climbing La France.—Identical with the well-known La France, except that it has a vigorous climbing habit. A rampant climber, flowering continuously all the season. One of the finest climbing roses.

***Climbing Meteor.**—A strong, free growing climbing rose that, under favorable conditions, will make shoots twelve to fifteen feet in a single season; very free flowering, producing all through the growing season its rich, dark velvety crimson flowers, perfectly double, and in size and finish equal to the best hybrid perpetuals.

***Climbing Kaiserin (Mrs. Robert Peary).**—Flowers are fine ivory white, of heavy texture and largest size. A grand addition to our list of climbing roses.

***Climbing Bridesmaid.**—A rampant climber, making a growth of ten to fifteen feet in a single season, and producing such quantities of fine, large, dark pink flowers as to simply smother the plant. No finer climbing rose is to be had than this.

Climbing Wootton.—A climbing variety of this fine red rose that is bound to be very popular. It is a very strong, rapid grower, throwing long, thick canes and bearing large clusters of true Woottons.

***Climbing Perle des Jardins.**—Same as the grand old Perle des Jardins and equally good in every way, but of vigorous climbing habit; flowers, golden yellow, of immense size.

Jewel Collection Ever-Blooming Climbing Roses

Price, postpaid, 15c. each; set of six sorts, 60c. Two-year-old plants, 35c. to 50c. each.

***Climbing Safrano.**—A beautiful pillar rose, being a strong climber. Color, orange yellow or deep saffron; good size, full and sweet.

***Madame Alfred Carriere.**—Extra large, full flowers, very double and sweet, and a most profuse bloomer; color, rich, creamy white, faintly tinged pale yellow.

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. One of the best-known varieties.

***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.

***Reine Marie Henriette.**—A strong, vigorous grower; flowers large, full and of fine form; color, glowing crimson, elegantly shaded. One of the best climbers.

***William A. Richardson.**—Color, rich coppery yellow, flushed with carmine. A very beautiful variety, having few equals.

The Famous Rambler Roses

Price, 10c. each; 2-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, and will soon cover the whole side of a house with a sheet of lovely bloom. They are the grandest climbing roses yet introduced, perfectly hardy, need no protection, and grow more beautiful every year. If you have none of them, do not fail to order now.

***Crimson Rambler.**—Intense, dazzling crimson, immense panicles.
Pink Rambler (Psyche).—Beautiful bright pink, tinged with creamy yellow.

White Rambler (Thalia).—Pure snowy white, sweetly scented.
Yellow Rambler.—Rich, golden yellow, very beautiful.

Dorothy Perkins.—Beautiful, shell pink in immense clusters, quite full and double. Each, 20c.; 2-year-old plants, 50c.

Philadelphia Rambler.—Deep, rich, crimson, even more intense than the famous Crimson Rambler; blooms in grand clusters, in such numbers as to make the bush appear to be a sheet of bloom. Each, 20c.; 2-year-old plants, 50c.

Standard or Tree Roses

We do not always have all of the leading varieties in Standards, but can almost always supply the leading colors, such as red, pink, yellow and white. We also have some of the Climbers budded on four to five-foot stalks. These are very desirable and quite a novelty, as they form what might be classed as a Weeping Rose Tree. Price of all Tree or Standard Roses, \$1.50 to \$2 each.

Lewis & Clark Collection of Two-Year-Old Roses

This collection is made up of our large field-grown two-year-old bushes, which can be shipped any time between October 15 and May 1. By looking back over this and the preceding page you will find (*) placed before some sorts. These varieties are recommended for general planting. They are the varieties that do well most everywhere, and produce an abundance of choice, fragrant and handsome roses. These two-year-old bushes are good, well-rooted plants, one and a half to three feet high, and must be sent by express or freight at buyer's expense.

Prices: 35c. each; six for \$1.75; dozen for \$3.00; extra choice, large, well-shaped plants, 50c. each; six for \$2.50; dozen, \$4.00. Rose societies and large buyers in quantity should write for 100 rates.



CRIMSON RAMBLER (One Cluster).

Carnations



Mermaid Collection of Choice Carnations

Price, 15c. each; four for 50c.; set of twelve fine varlet ties, \$1.25, postpaid.

Cerise Queen.—Color a lovely shade of cerise; flowers very large and handsome; early, continuous bloomer. The flower is of exquisite form, and the color is very brilliant.

Empress.—Magnificent, bright, rich crimson; large, perfectly double flowers, deeply fringed and fragrant; stem, $2\frac{1}{4}$ to 3 feet, and self-supporting. The largest and richest of its color yet introduced.

Ethel Crocker.—The handsomest of all pink Carnations, perfect in shape, extra large, petals deeply fringed and remarkably high, close perfume; in color a light, clear pink, deepening towards center of flower. A grand garden Carnation on account of its strong, vigorous constitution.

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.

Flora Hill.—The grandest white and the most prolific bloomer of the Carnation family that has been raised up to this time. The flower is of enormous size, full and double.

Golden Beauty.—Deep golden yellow, splashed and striped with red; a very rich combination of colors and a novelty of much merit.

Goethe.—This variety has been greatly admired wherever it has been seen for its desirable color, being a beautiful delicate shade of pink, shading to white at edge of petals; flowers of large size and very freely produced; plant of grand habit and vigorous growth.

Lily Dean.—Probably the most beautiful Carnation yet introduced and must become very popular. The flowers are a pure satiny white, and marked and shaded with rosy pink.

Marquise.—Color soft, pure rose, so much admired by cut-flower purchasers; flowers large and well formed. It is very healthy and free-blooming, and taking color.

Mermald.—A beautiful shade of salmon pink; large, and has a waxy appearance not seen in other varieties.

Marshal Field.—The very largest and most beautifully formed Carnation; exceedingly free flowering; color, clear, white ground, delicately and very evenly marked with bright scarlet, giving it a very pleasing and effective finish.

The Queen.—Color pearly white, very large, with heavy, glistening petals, delicately fringed; very fragrant. A compact, vigorous grower and free and early bloomer.

Bon Ton Collection of Fine Carnations

Price, 10c. each; six for 50c.; set of fifteen varieties, \$1.25, postpaid.

America.—A pure light scarlet; flowers very full and perfect shape. One of the best reds cultivated because it begins to bloom early and gives good supply of flowers steadily throughout the season.

Argyle.—Flowers of excellent form, produced on long, wiry stems; a beautiful shade of deep cerise, a popular shade in carnations at present.

Amazinda.—A very large, bold, handsome flower, pure white ground, with very delicate margin and penciling of clear pink, making it exceedingly beautiful and attractive.

Bon Ton.—Regarded by many as the finest scarlet carnation. In color it is the most intensely brilliant scarlet, showing no tendency to fade; stems long and firm, holding the flowers upright. A vigorous, healthy grower, producing quantities of monstrous-sized blooms.

Eldorado.—Yellow, of free blooming habit; erect stems; finely-formed flower of good size; very free; petals edged with a narrow band of light pink.

Evallina.—Fine white; large size; very fragrant, and an early and profuse bloomer; flowers of remarkable substance and fine form.

General Maceo.—Brilliant dark crimson, extra large, petals deeply fringed, full, freely produced on strong stems; very vigorous in growth, of excellent habit.

Miss Frances Joost.—Color, soft, pure rose; flowers large and well formed; it is a very healthy, free-blooming and very popular variety.

Melba.—A persistent free-blooming variety of exceptional size and build; flowers very large, round and full; color, light flesh and pink, with a strong clove fragrance.

Mrs. Cleveland.—A beautiful shade of salmon pink; large, and has a waxy appearance not seen in other varieties.

Psyche.—A splendid free flowering fancy carnation, pure white, flaked scarlet; it is an easily grown variety, and its strong vigorous growth and freedom of bloom commend it to plant admirers.

Queen Louise.—A beautiful pure-white variety, one of the most prolific and continuous bloomers.

Sweet Brlar.—A lovely variety, with fine flowers of the same fresh, delightful shade of pink as seen in the Sweetbriar Rose; the fragrance is delightful.

Storm King.—Flowers of extraordinary size and ideal form, the lower petal standing out flat and smooth, while the center is well built up; color, a beautiful, glossy snow white, strongly clove scented. A continuous bloomer.

William Scott.—The freest blooming of all pink carnations; every shoot of the strong, bushy plant bears its long, stout stem of fine sweet flowers; color bright, delicate, rosy pink.

Petunias, Double Fringed

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.

Price, postpaid, 10c. each; seven sorts, 60c.

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, pure white, irregularly splashed with violet.

Sea Foam.—For purity of color, form, size and vigor of growth, this variety is unsurpassed in double white Petunias.

Sultan.—An extra large, fine double-fringed variety, deep violet crimson with a velvety finish.

Triumph.—A fine variety, fringed, very double, clear white, with a beautiful shade of violet in the center.

Wonderful.—A distinct shade of heliotrope, beautifully fringed.

Crysanthemums—Large Flowering

October Garden Collection

Each, 10c.; ten sorts, 75c.

Edith Smith.—Creamy white, delicately laced with lavender and lilac. Petals beautifully twisted and arranged. Fine and large.

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.

Lady Playfair.—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.

Monrovia.—Very early, yellow, reflexed Japanese, of good size, color and substance.

October Sunshine.—A handsome, yellow variety of pure tint; splendid in size and form, and a magnificent addition to the very early varieties.

Source de 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 most artistic manner.

Exhibition Collection

Each, 15c.; ten sorts, \$1.00.

Black Hawk.—The darkest red yet raised. A velvety crimson-maroon. Outer petals very much reflexed and center erect, making a very large flower.

Colonel Appleton.—Rich, golden yellow, immense size, very double, a grand, well-built flower, with splendid stem and foliage. A sure winner.

Edgar Sanders.—An incurved Japanese variety. Petals broad and deeply grooved, inside orange-red, outside old gold. One of the most beautiful varieties.

Madame Liger.—Color, a pleasing shade of lavender pink; very free in growth, with good stem and foliage.

George Carpenter.—Flowers enormous in size, having very broad petals; color violet amaranth, lined with white, reverse of petals white.

Geraniums—Beautiful New Sorts

SEVEN FINEST SINGLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Leon Perrault.—Brilliant scarlet, of the most dazzling shade; very large trusses and florets; a grand bedding variety.

Madonna.—Beautiful light pink, upper petals marked with white; very pretty.

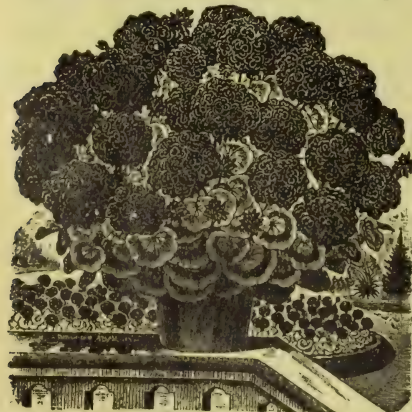
Mrs. A. Blanc.—Silver salmon, shaded peach; glistening texture.

Perle.—Trusses large and of perfect form; color, pure snowy white.

Queen Olga.—Flowers bright pink, upper petals shaded to white. A fine bedding variety.

Sam Sloane.—An extra fine, velvety crimson variety, carrying immense trusses in great quantity.

Soliel Cochant.—Large flowers of a yellow scarlet color; the finest of the yellows up to date.



GERANIUM.



CHRYSANTHEMUM.

Mrs. Henry Robinson.—Immense, globe-shaped, pure white flowers; one of the grandest sorts for exhibition.

Major Bonnaffon.—Soft, clear yellow, full in the center, eight inches in diameter and nearly as deep. Perfect form and finish.

Mrs. Chamberlain.—Flowers delicate pearl-pink, large, beautifully incurved, very double and of exquisite form.

Oresco.—Rich terra cotta color, shaded bronze. Large incurved flowers of great beauty.

Timothy Eaton.—The largest, white, Japanese, incurved variety yet raised. Form round and perfect; growth vigorous, with large dark-green foliage.

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.

Bruant.—A fine bedding variety; color bright, vermilion red of a most pleasing shade. Trusses very large, often measuring six inches in diameter.

La Favorite.—Trusses very large; flowers pure snow white.

Madam Ch. Dabouche.—Extremely free in bloom, with enormous trusses composed of large, round flowers. Color, bright rose, shading to apple blossom.

Mary Hill.—The finest pure pink variety known.

Madame Hoste.—Flowers of enormous size, color flesh, lined and shaded salmon. One of the finest varieties in existence.

S. A. Nutt.—The best of the rich, dark crimson varieties. Trusses massive.

English Pelargoniums

LADY WASHINGTON GERANIUMS.

The Most Beautiful Geranium for House or Pot Culture.

Price, postpaid, 20c. each; set of six sorts, \$1.00.

Blue Mabel.—Clear, purple ground of a very clear shade, with no trace of magenta; upper petals grandly blotched with dark violet; large flowers, of fine, round shape.

Carnival.—A lovely shade of brightest pink, grandly feathered dark, velvety crimson.

Elsie Runyan.—Brilliant shade of cerise with lighter markings. A very free bloomer.

Mabel.—Velvety pink, upper petals blotched blackish maroon, lower petals spotted with crimson lake.

Mrs. Hollingsworth.—Deep rose ground, feathered with red on upper petals. Fine trusses of large, deeply fringed and crisped flowers.

Rock's Seedling.—Flowers very large, bright scarlet; upper petals blotched velvety black; center of flower a distinct shade of violet.

During April and May we have Scarlet, White and Pink Geranium Plants by the thousands. They are strong, well-rooted plants; fine for making up in beds or borders. By express only, 60c. per dozen; \$4.00 per 100.

Begonias

CHOICE FLOWERING SORTS.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Argentea Guttata.—Wine-colored leaves with silvery spots; white flowers on the tips of the stems.

Bertha de Chateaucouer.—The freest flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright red flowers.

Incarnata.—A vigorous growing variety; large panicles of pink flowers.

Metallica.—A fine erect Begonia, with dark, rough leaves; a free bloomer. The panicles of unopened flowers are bright red, with surface like plush; when open the flower is waxy white.

Rubra.—A rapid growing and free flowering variety; beautiful, waxy green leaves and large panicles of coral red flowers. A very popular variety.

Vernon.—Bright, rich scarlet, very showy and handsome; always in bloom.

Weltoniensis.—A handsome flowering variety, producing lovely pink flowers.

Rex Begonias

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. We offer the most distinct and handsomely marked varieties. Price, 15c. each, four sorts for 50c.



REX BEGONIA.

Fuchsias

Collection of seven finest sorts, price, postpaid, 10c. each; complete set, 60c.

Annie Earle.—Tube and sepals waxy white; corolla single, clear carmine; plant splendid and free blooming.

Black Prince.—Tube and petals bright, waxy carmine; sepals large and broad, with pale green tips; large, open, pale pink corolla.

Henry Brooks.—Flowers very large, corolla plum color; tube and sepals crimson; one of the finest varieties.

Rosalind.—Tube and sepals white, corolla magenta pink. A beautiful sort.

Jupiter.—This is a grand, mammoth, double flowered Fuchsia; flowers of enormous size; very large, rich, violet purple corolla; tube and sepals bright crimson.

Storm King.—Another general favorite; very graceful habit, and bears double white flowers in great profusion.

White Giant.—Superb, double, white variety; tube and sepals bright scarlet; corolla large, double and waxy white; an excellent grower and profuse bloomer.



FUCHSIAS.

Ferns, Etc.

Asparagus Sprengerii (Emerald Feather).—This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. 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 and are very useful for bouquets, wreaths, and all kinds of floral decorations. Nice plants, 15c. to 30c. each, postpaid.

Asparagus Plumosus (Climbing Lace Fern).—A finer and more delicate plant than the Sprengerii, 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, and are greatly admired for floral decorations. 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 sword-like fronds, in large specimens, attain a length of 3 to 4 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction. Nice plants, 20c. to 35c. each, postpaid.

Smilax.—A very graceful climber, having delicate and dense evergreen foliage. Fine for cutting for bouquets. Price, 10c. each.



ASPARAGUS SPRENGERII



CYPERUS.

CYPERUS.

Umbrella Plant (Alternifolia).—A splendid house plant of easy culture. Resembles a palm. Always remains green and pretty. Keep well watered. Nice plants, 15c. to 25c. each, postpaid.

Our 32-page Catalog of Nursery Stock will give descriptions and prices on our Japan Palms, Shrubs, Plants, etc. Free on request.

Miscellaneous Plants for the House or Garden

Heliotrope.—These plants are universal favorites on account of their delightful fragrance. They flower equally well as bedding plants in the summer or as pot plants in the house during the winter. White, blue or purple.

Ipomea (Grandiflora).—The true, large, flowering Moon-flower. Price, 10c. each, postpaid.

Marguerites (Paris Daisies).—Excellent bedding plants, blooming profusely all summer. Two sorts, yellow and white. Price, 10c. each.

Primrose 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. Price, 15c. each, postpaid.

Primrose, Chinese.—One of the best of all the plants we cultivate for winter flowers, and most worthy of recommendation for winter gardening. White, pink and scarlet. Price, 15c. each, postpaid.

Weeping Lantana.—A beautiful, new, ever-blooming plant for baskets, vases, pots, or for culture outdoors. Produces its clear, lilac-pink flowers in clusters by the hundreds from early summer until severe frosts. Deliciously fragrant. Price, 15c. each, postpaid.



PRIMROSE.

Hardy Garden Plants

The plants in this collection are perfectly hardy and are valuable and most desirable in any garden, inasmuch as they die down only to the roots during the winter. They continue to grow and bloom year after year with little or no care, increasing in beauty as they acquire age.

Anemone (Japonica).—There is nothing more beautiful in the entire list of hardy plants. They commence to bloom in August and increase in beauty until frost. Two sorts, pink or white. Each, 15c., postpaid.

Aster (Hardy Alpine).—One of the most conspicuous of all late blooming, hardy plants. Immense heads of bloom on stems three feet long. Three varieties, white, lavender or purple. Each, 15c., postpaid.

Daisy (Double English).—Neat, low growing border plants, covered in the early spring with handsome, double flowers. Three sorts, white, pink or crimson. Each, 10c., postpaid.

Delphinium (Formosum).—This is certainly one of the handsomest and most satisfactory hardy garden plants. It throws up immense spikes of bright blue flowers from June to October. Each, 15c., postpaid.

English Primrose (Double White).—Pretty, low-growing, hardy plant bearing large, beautiful flowers having the old-fashioned cowslip fragrance. Blooms very profusely early in the spring. Each, 20c., postpaid.

Perennial Phlox.—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. Each, 15c.; six sorts, 65c., postpaid.

Perennial Pea (Snowstorm).—A beautiful new variety of an old and popular, hardy, garden climber. Covered with handsome, white flowers all summer. Each, 20c., postpaid.

Shasta Daisy.—Pure white, Marguerite-like flowers, three inches and over in diameter. Blooms throughout the entire season. Each, 15c., postpaid.

Rudbeckia (Golden Glow).—Beautiful, golden yellow flowers as large as a Dahlia. The most effective hardy plant for August and September flowering now in cultivation. Each, 15c., postpaid.

Violets.—Of all the delightful perfumes, that of the sweet violet is the most delicate and pleasing, and places this modest flower among our greatest favorites. They commence to bloom as soon as cool weather comes in the fall and flower even more profusely in the spring. Blue or white. Each, 10c., postpaid.

Portland Seed Co.

April 19, 1905.

Gentlemen: The plants and seeds were received and I am very much pleased. Thank you very much for the extras. Respectfully,
MRS. A. BARLOW, Comer, Oregon.

Portland Seed Co.

Oct. 5, 1905.

The plants are growing famously that I sent for last spring. I also recommend your establishment to my friends.
MRS. O. J. LOVERING, Long Beach, Wn.

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, 35c.; Asters, 15c.; Balsam, 50c.; Carnations, 50c.; Cosmos, 35c.; Daisies, 50c.; Forget-me-not, \$1.00; Geraniums, 50c.; Heliotrope, \$1.00; Hollyhock, 50c.; Lobelia, \$1.00; Marigold, 50c.; Mignonette, 50c.; Petunia, \$1.00; Pansies, 40c.; Phlox, 50c.; Salvia, 50c.; Stocks, 35c.; and Verbena, 50c.

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 32-page illustrated Nursery Catalog. Free on request.

Hardy Climbing Vines



Jackmanii.

Henryi.

Mad. Ed. Andre.

SPECIAL—One plant of each of these three 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.

Vitcellii (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 and finest 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, At above prices we will send the plants postpaid, but

pure white flowers of the most pleasing fragrance; perfectly hardy. **Choice plants, 35c. to 60c.**

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.

Common English.—Thick, leathery evergreen leaves; strong growers. 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 \$1.00.

Get our Nursery Catalog for complete list and full descriptions.

of course send larger plants by express or freight.

Flowering Roots and Bulbs



Lily of the Valley.

Portland Seed Co. Oct. 23, 1905.
The bulbs which I have already received couldn't be beat for size and being good. Received a number of bulbs from other firms that were so much smaller and rotten.
MRS. O. J. LOVERING, Long Beach, Wash.

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 or borders round the lawn, where they can remain, increase and bloom from year to year.

Extra good, strong, carefully harvested plps, sure to produce magnificent flower spikes.

Each, 5c.; dozen, 40c.; per 100, \$2.50, postpaid.

Calla Lilies (Lily of the Nile)

The old favorite White Calla Lily is too well known to require any description. Plant one bulb to a six-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory.

Dry roots, superior for forcing and winter-flowering purposes:

First size bulbs, each, 15c.; doz., \$1.50, postpaid. Extra size bulbs, each, 20c., postpaid.

Bleeding Heart

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.

Bulb Catalog

We issued, about Sept. 15, a special 20-page illustrated and descriptive catalog of imported flowering bulbs—sent free on request.

Flowering Bulbs, Roots, Etc.—Continued

Dahlias

The Dahlia is one of the most popular Summer and Fall flowering bulbs and a great favorite of many. The flowers are showy and gorgeous, and produced in great profusion. The latest introductions are marvels of beauty; fine for bouquets and decorations. Dahlias commence to bloom in July and continue until cut down by severe frost.

PORTLAND SEED CO.'S

1906 COLLECTION

OF NEWEST CACTUS DAHLIAS.

Full Collection of the Eight Varieties only \$3.20, Postpaid. 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. Our 1906 Collection contains eight of what we believe to be the most magnificent and up-to-date sorts. Few people realize the beauty and charming effect of these improved varieties. We offer four classes. See cuts for general form of flower.

King Edward (No. 1).

In offering this grand, new Cactus Dahlia, we are sure it is the finest scarlet to date. It is a good grower and a profuse bloomer; has fine, bright green foliage. The deep, rich scarlet blooms are of grand size and texture. Petals, long and narrow. Each, 70c., postpaid.

Kriemhilde (No. 3).

An exquisite, delicate, shell pink shading to white in the center. The finest and most perfect pink in its class yet introduced. Largely advertised and much sought after. Excellent for cutting; profuse bloomer. Each, 35c., postpaid.

Loyalty (No. 2).

An attractive variety; petals, claw-like, fluted and curving mostly inward; one of the most fantastic varieties; color, bright coral red; good bloomer. Each, 40c., postpaid.

British Queen (No. 3).

A lovely, pure, delicate white of fine form. Flowers are carried perfectly upright on stiff stems; one of the best whites. Each, 50c., postpaid.

Innovation (No. 2).

A fine, showy sort with long, wiry stems holding the flowers well away from the foliage; petals, long and pointed; bright red shading to white at the tips; free bloomer. Each, 35c., postpaid.

Triumphant (No. 3).

Of all the Yellow Cactus we have ever seen or grown, this is the finest, in fact it is the only long pointed, petalled sort we have been able to find. It is perfect in form; bright lemon yellow; flowers, large. Each, 60c., postpaid.

Sensation (No. 1).

A grand, new sort; flowers, large and of a most attractive color; the only variegated Cactus we know of; color, bright orange striped and flecked with red. No description will do it justice. Each, 40c., postpaid.

White Wonder (No. 3).

This is really the finest, pure white Cactus Dahlia yet produced; flowers large and of fine shape; petals extra long and narrow; a truly grand sort. Each, 65c., postpaid. One bulb of each of the above eight sorts only \$3.20, postpaid.

American Collection of Cactus Dahlias

Each One a Gem in Itself.

SPECIAL—The full set of seven sorts, \$1.25, postpaid.

Pearl of the Garden (No. 1).—Flowers large and of a lovely canary yellow color; stems, long and stiff; flowers, good size; petals, long and narrow and much twisted and twirled. Each, 25c., postpaid.

Brittania (No. 1).—An early and free bloomer. The handsome flowers are borne on long, stiff stems and are of a soft salmon pink. Each, 30c., postpaid.

America (No. 2).—A striking variety; flowers, large; petals, long and curving; color, red heavily tipped with white; very desirable. Each, 25c., postpaid.

Miss Webster (No. 1).—Of the purest white; flowers borne on long, stiff stalks well above the foliage. Each, 20c., postpaid.

Countess of Lonsdale (No. 1).—A comparatively old variety but growers will not discard it on account of its value as a cutting flower and the profusion with which it blooms; color, rich salmon shaded pink. Each, 15c., postpaid.

Mrs. Peart (No. 3).—The freest blooming, white Cactus we have; handsome and attractive; sometimes not so full as cut shows; petals, a little broader. Each, 25c., postpaid.

Oriental (No. 2).—A magnificent pink with long, pointed petals; a profuse bloomer; fine for cutting. Each, 15c., postpaid.

Chrysolora (No. 1).—A lovely golden yellow, petals, long and regular. Each, 20c., postpaid.

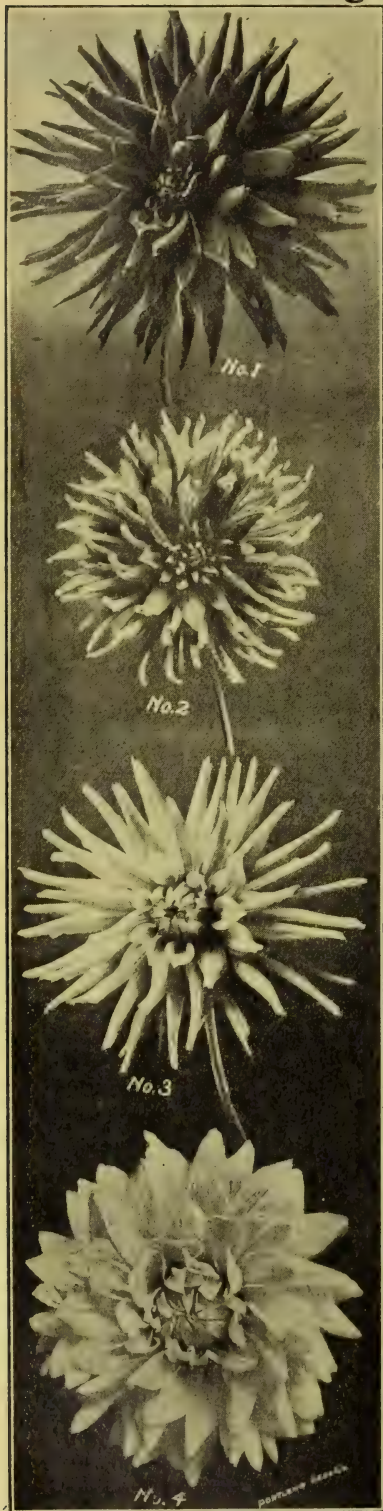
Single Dahlias

New "Twentieth Century." No single Dahlia ever created such a sensation or was received with such popular favor as this. The flowers come in a great variety of colors and measure four to six inches across.

Mixed colors. Price, 20c., each; four for 60c., postpaid.

New French "Collarette." The peculiarity of the type lies in the development of stamens at the base of the petals, which form a frill or collar around the center.

Mixed colors, price 20c., three for 50c., postpaid.



FOR YOUR GUIDANCE

We have placed a number after the name of each variety referring to cut numbers which will show general style and type of the flowers but not color or markings.

Decorative, Show and Fancy Dahlias

The following varieties are the best in their class. One bulb each, entire collection of ten sorts only \$1.75, postpaid.

Hero (No. 4).—Handsome flowers, medium size, flushed, streaked and marked with red; petals, broad and pointed; stems, long; a novelty. Each, 40c., postpaid.

Mrs. Bennett (No. 4).—Decorative. Soft crimson, large and well formed; petals, broad and pointed. Each, 20c., postpaid.

Dr. Gates (No. 4).—Decorative. Beautiful shell pink shading to blush; stems, long; excellent variety for cutting. You better send for the Doctor. Each, 20c., postpaid.

Mrs. Winters (No. 4).—Of fine, open, showy form; profuse bloomer and the best pure white of its class; excellent for cutting. Each, 20c., postpaid.

Matchless (No. 4).—Decorative. A grand, free bloomer; a rich, glistening crimson overlaid with dark, velvety maroon; finest and darkest in this collection. Each, 15c., postpaid.

Sylvia (No. 4).—Decorative. A profitable, commercial pink, 4 to 6 inches in diameter; fine form and full to the center which is white shading to soft pink at the outer edges; of great substance; profuse bloomer; stems, long and strong. Each, 30c., postpaid.

Opal Queen. A new decorative variety; color as difficult to describe as the opal itself. It might be called a light sulphur overspread and shaded pink giving it varied hues. A pleasing and rare color. Each, 25c., postpaid.

Grand Duke Alexis. Show. Flowers, large, white, shaded or tinted with light lavender; a grand sort and excellent for cutting. Each, 20c., postpaid.

Yellow Prince. Show. Large, handsome yellow. Each, 15c., postpaid.

Snow.—Pure white, medium size; borne on long, stiff stems; excellent for cutting. Each, 15c., postpaid.



MIXED DAHLIA ROOTS.

A mixture of all classes (unnamed) which we offer very low. Price, 15c. each; 2 for 25c.; \$1.25 dozen, postpaid. By express at purchaser's expense, \$1.00 per dozen.

Our Bulbs are large and bloom the first year.



Gladioli

The most satisfactory, desirable and popular of all garden bulbs. Nothing else of the kind costs so little, grows and blooms so readily in any soil or climate as Gladioli. They 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.

Gladioli Lemolni.—These have odd and fantastic markings; brilliant and showy colors, mostly light shades.

Large bulbs, 10c. each; \$1.00 doz.; Second size, 8c. each; 75c. doz., postpaid.

Gladioli Childs.—Of grand size, color and very showy; containing a large per cent of red and dark shades.

Large bulbs, 10c. each; \$1.00 doz. Second size, 8c. each; 75c. doz., postpaid.

Gladioli Groff's Hybrid.—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations. Large bulbs, 10c. each; \$1.00 doz. Second size, 8c. each; 75c. doz., postpaid.

Gladioli Fine Mixed.—This mixture will produce a large variety of flowers at a little expense; unequalled for the price.

Large bulbs, two for 15c.; 75c. per doz. Second size, 50c. doz., postpaid.

PRINCEPS (New).

This magnificent variety is the largest and most effective of all Gladioli. Color, intense crimson with shadings in the throat, and white blotches on the lower petals; flowers, 5 to 6 inches in diameter. From three to six of these immense and brilliant blooms are expanded at a time on each spike; very striking. First size bulbs each 30c.; dozen \$3.00, postpaid.

Cannas

Where brightest and most imposing effects are desired in bedding, the Canna is unequaled. Their large, palm-like leaves and immense spikes of bright colored flowers make a handsome and rich display. They are of easy 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 beds; shorter ones on the outside. We give height of each variety.

We are the largest growers of Cannas and Dahlias on this Coast.



CANNA PLANT (in bloom).

Eighteen
Cannas
will fill
a bed
six feet
across.

CANNA MUSAFOLIA.

This is the finest foliage Canna yet seen; has enormous Musa-like leaves 3x5 feet, of a dark green, bronzing color, the edge of the leaves being beautifully banded with bronze-purple. 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.

Each, 20c.; 3 for 50c., postpaid.



CANNA FLOWER.

MT. BLANC.

A grand new acquisition; large, pure white, well shaped flowers which are produced in great profusion; contrasts well with the highly colored sorts; foliage, bright, glossy green; 3 to 4 feet.

Price, each, 35c.; 3 for \$1.00, postpaid.

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, postpaid.

Oregon Collection Giant Flowering Cannas

Price, 20c. each; 3 for 50c.; 12 for \$1.60, postpaid.

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.

WILLAMETTE.

A glorious Canna with large flowers in immense trusses; color, rich, cherry carmine, producing a gorgeous effect; bronzy foliage; 4 to 5 feet.

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.

MIXED CANNAS (Assorted Roots).

In this mixture you will get a large assortment. 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 \$1.25, postpaid.

KING HUMBERT.

(Awarded Gold Medal at the St. Louis and Portland Expositions.)—In this grand new 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; 5 to 6 feet.

Each, 60c.; 3 for \$1.50; 12 for \$5.00.

BLACK BEAUTY.

Majestic, stately; large, massive foliage of the richest bronzy purple shaded with black, the edges of the leaves gracefully undulating. Where foliage effect alone is desired, nothing richer or more handsome can be found; 6 to 7 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00, postpaid.

PENNSYLVANIA.

Foliage, green; giant flowers of deep, solid red; profuse bloomer; 5 to 6 feet.

Each, 25c.; 3 for 60c.; 12 for \$2.00, postpaid.

MAJESTIC.

Massive green foliage; flowers, very large of intense brilliant vermilion with bright orange shadings; good grower; 4 to 5 feet.

RAINIER.

A fine bedding variety, foliage large and good texture, dark green; flowers, rich, velvety crimson; 5 feet.

COLUMBIA.

Enormous flowers, beautiful canary yellow with a silvery hue; inside slightly dotted with red. Both in foliage and flower it is grand; 4 feet.

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.

Peonies—Double Herbaceous

The development and increase in popularity of the Peony 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, or for mingling with shrubs or herbaceous plants in borders and wild gardens. The flowers are large, massive, perfect in outline and most beautiful.

As cutting material the Herbaceous Peonia can scarcely be surpassed, and no flower surpasses them when a loose arrangement is wanted in a large vase. They are perfectly hardy, requiring no protection whatever even in the most severe climate; are not troubled with insect pests or disease of any kind, and once planted take care of themselves, increasing in beauty each year.

Festiva Maxima.—A rare variety of great beauty. Exceedingly showy and of large size; flowers perfectly double; pure, snowy white-tipped or flaked with small crimson spots at center; petals fine as summer silk; finest white in cultivation. Price, 75c., postpaid.

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; midseason. Price, 60c., postpaid.

Queen Victoria.—A full, strong, white with yellowish-tinted center; a very popular variety among florists on account of good shipping and keeping qualities. Price, 30c., postpaid.

Jubilee.—White, edged with crimson; semi-double; very showy and pretty. Price, 50c., postpaid.

L'Esperance.—Blooms just after the Officialis varieties; tall, robust grower; good bloomer; flowers fragrant and of a good pink color. Sometimes the outer petals are striped white. Price, 30c., postpaid.

Fragrance.—Late; color, deep rose; fragrant and a very prolific bloomer; in fact, produces more blooms than any variety of which we know; tall grower. Price, 30c., postpaid.

Officinalis Rubra.—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. Price, 30c., postpaid.

Mutabilis Alba.—The white of the Officialis type; grows with Officialis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. Price, 40c., postpaid.

Formosa.—Light pink, yellow center; full and double. A very pretty and desirable sort. Price, 30c., postpaid.



Double Peony—(Half Natural Size).

Our 32-page illustrated and descriptive catalog of Flowering Shrubs and Trees, Roses, Evergreens, Vines, etc., free on request.

Peony Moutan

(Tree Peony.)

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, White, Scarlet, Rose and Variegated.

By express at buyer's expense (too heavy to mail.) Strong, imported roots from January to May. Each, 75c.; large, nursery-grown plants, 1½ to 2 feet, \$1.50.

Japanese 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 *Auratum*s, the most magnificent species for outdoor culture. They increase in size and beauty each year.

Lilium Harrissii.—Known as the "Easter Lily." The flowers are delightfully fragrant, pure waxy-white, trumpet-shaped, and of great substance. Each, 30c.

Lilium Longiflorum.—Very much like the *Lilium Harrissii*, but little later, profuse bloomer. In the open ground they bloom in June and July. Each, 20c.

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.

Auratum Platyphyllum.—Similar to *Auratum*, larger and finer. Each, 25c.

Auratum Pictum.—Pure white, with red and yellow bands; large. Each, 30c.

Auratum Rubro-Vittatum.—White, crimson stripes; handsome. Each, 50c.

Auratum Virginal Album.—Large flowers, with yellow band studded with white spots; handsome and fragrant. Each, 30c.

Brownii.—Trumpet shape, cream inside, purplish outside. Each, 50c.

Elegans Incomparabile.—Richest red lily known; very showy. Each, 20c.

Elegans Atrorogineum.—Dark blood red, erect, open flower. Each, 30c.

Elegans Semipleno.—Flower red with fringed erect petals, tipped with white in center of flower; very pretty. Each, 25c.

Kramerii.—Trumpet shaped; soft, beautiful rose color. Each, 25c.

Speciosum Album.—Pure white; flowers freely. Each, 25c.

Speciosum Rubrum.—White, with dark rose spots. Each, 20c.

Speciosum Rubrum Melpomene.—Rich, blood crimson, heavily spotted. Each, 20c.

Tigrinum Splendens (Improved Single Tiger Lily).—Large flowers of excellent form; color, orange salmon, with dark spots. Each, 20c.

Tigrinum Flore Pleno.—Similar to above, but double. Each, 20c.



LILIUM AURATUM.

Our Bulb Catalog Gives full descriptions of above Lilies and other imported flowering bulbs free on request.

Japanese Fern Ball



FERN BALL (in full leaf).

This beautiful novelty is an importation from Japan, and is certainly the finest addition to the fernery yet introduced. The ball is composed of the Japanese Island Fern Roots and Spagnum 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 house, conservatory or greenhouse. Our own importation arrives from Japan about November.

Directions for Starting.—Place ball in warm water for 15 minutes, and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun. Send for colored plate and descriptive pamphlet.

Price, in dormant state, by express, each, 75c.

Portland Seed Co. June 9, 1905.
Gentlemen: I have great pleasure in stating that all seeds bought of you have been exceedingly good, especially the Early Bovee and Sunrise Potatoes.
MRS. C. W. ROLLINS, Hillsboro, Ore.
See potatoes, pages 58-59.

Vegetable Plants

We grow large quantities of vegetable plants, and can supply all of the varieties 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, plants direct from the seed beds, and those that have been transplanted into shallow boxes.

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.

Let us have your orders early and we will ship them later, or as requested.

No plants sent C. O. D. Write for prices in large quantities.

Cabbage.

	Postpaid.	By Express.
	Dozen.	100. 1000.
Early or late kinds, transplanted	20c.	75c. \$6.00
Not transplanted		50c. 4.00

Add 25c. per 100 for Cabbage Plants by mail.

Cauliflower.

Early Snowball, transplanted...	30c.	\$1.25	\$8.00
Not transplanted		1.00	7.00
Late kinds, transplanted	30c.	1.00	7.00
Late kinds, not transplanted...		.75	6.00

Add 25c. per 100 for Cauliflower Plants by mail.

Celery.

Leading kinds, transplanted ..	25c.	75c.	\$6.00
Not transplanted		50c.	5.00

Add 25c. per 100 for Celery Plants by mail.



TRANSPLANTED CABBAGE PLANTS.

Tomatoes.

	Postpaid.	By Express.
	Dozen.	100. 1000.
Leading kinds, transplanted...	30c.	\$1.00 \$7.00
Not transplanted .....		.75 6.00

Add 40c. per 100 for Tomato Plants by mail.

MISCELLANEOUS PLANTS.

All Transplanted.

Broccoli	25c.	\$1.00	\$7.00
Brussels Sprouts	25c.	.75	6.00
Celeriac	25c.	.75	6.00
Egg Plant	30c.	1.00	7.00
Pepper	30c.	1.00	7.00
Sweet Potato Plants	30c.	1.00	7.00
Tobacco	30c.	1.00	7.00

Add 25c. per 100 for above plants by mail.

Chives (Schnittlauch), per bunch.....25c.

Portland Seed Co. April 10, 1905.
Gentlemen: I received the plants and they were in good order and are growing nicely. Thanks for sending the plants the second time.
MRS. F. BEYER, Kendrick, Idaho.

Portland Seed Co. April 17, 1905.
Gentlemen: I was very much pleased with the plant that you sent me last week. Yours truly,
GRACE HARDWICK,
Walla Walla, Wash.

Vegetable Roots, Etc.

ASPARAGUS.

One-year-old plants.
Postpaid, doz., 25c.; 50, 75c.; 100, \$1.00.
By express or freight, doz., 20c.; 50, 50c.; 100, 75c.
Two-year-old plants.
Postpaid, doz., 40c.; 50, \$1.00; 100, \$1.50.
By express or freight, doz., 25c.; 50, 75c.; 100, \$1.00.
Write for prices if wanted by the thousand.

HORSE RADISH ROOTS.

Postpaid, each, 5c.; doz., 40c.
By express or freight, doz., 25c.; 100, \$1.50.

HOP VINES.

Strong roots. Postpaid, each, 5c.; doz., 40c.
By express, doz., 25c.; 100, \$1.50.
We can make very low prices if wanted by the 1000.

RHUBARB ROOTS.

Varieties—Mammoth, Glant and Linnaeus.
One-year-old roots. Postpaid, each, 8c.; doz., 75c.
By express or freight, doz., 50c.; 100, \$3.00.
Two-year-old roots. Postpaid, each, 15c.; doz., \$1.50.
By express or freight, doz., 85c.; 100, \$6.00.
If wanted in larger quantities, write for special prices.

Portland Seed Co. April 12, 1905.
Gentlemen: Your fruit trees and rhubarb I got from you are doing fine.
WM. COFFMAN, Seaside.

Portland Seed Co. Gentlemen: The Asparagus Roots came to hand all right; fine roots in fine condition.
JOHN E. GREEN, Olalla, Wash.



STRAWBERRY 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.

Popular and Best Western Sorts

Wilson.—A heavy bearer of fine, moderate-sized berries; leading sort for canning.

Magoon.—Large, firm and excellent; sub-acid flavor; bears heavily; later than the Wilson.

Clark's Seedling.—The best shipper; berries large, firm, delicious, vines bear large crops; is especially adapted to dry soil.

Marshall.—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 Magoon.

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 greatest and grandest Strawberry ever introduced; 15 berries fill a quart box; 60 berries fill a 5-lb. grape basket. You never saw its equal. It always looks bright, fresh and attractive.

This handsome, new strawberry, introduced and placed on the market by us three seasons ago, has made a very favorable impression. 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.

Price List of Plants.

	By mail, postpaid.		By express or freight, packed in ventilated crates.		
	Dozen	100	100	1000	3000
Clark's Wilson or Magoon	\$0.25	\$1.00	\$0.60	\$4.50	\$12.00
Marshall .....	.35	1.25	.75	6.00	15.00
New Oregon—Improved .....	.40	2.50	2.00	10.00	25.00

Not less than 500 plants of a kind at the 1000 rates.
50c. M less if ordered in sacks—the common way of shipping.

FROM CUBA

Portland Seed Co., Itabo, Cuba, Nov. 16, 1905.
Portland, Oregon.
Dear Sirs: Strawberry Plants received Nov. 14 in a very good condition, in fact, they could not be any better. I am thankful to you for your promptness and good care in packing the plants. I have planted them and they are shooting out fresh leaves already. I hope they will prove a success here in Cuba as well as in Oregon and Washington. We are very few here yet. This is a new settlement. Yours truly,
GEO. P. HEDMAN, Itabo, Matanza Prov., Cuba.

Fruit Trees and Bushes

Our large Nursery Catalog (see cut of front cover) contains a complete list with full description of all 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 a condensed price list. Order any varieties you want at following prices:

APPLES.

	Each.	Per 10.	Per 100.
2-year-old	\$.25	\$2.00	\$18.00
1-year-old, 4 to 6 feet .....	.20	1.75	15.00
Select, 2 to 3 years old .....	.35	.....	.....

APRICOTS.

2-year-old	\$.35	\$3.00	\$30.00
1-year-old, 4 to 6 feet30	2.75	25.00
Select, 2 years old40

CRAB APPLES.

Nice stocky trees	\$.35	\$3.00
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CHERRIES.

2-year-old	\$.50	\$4.00	\$35.00
1-year-old, 4 to 6 feet35	3.00	25.00
1-year-old, 3 to 4 feet30	2.50	25.00
Select, 2 years old .....	.75	.....	.....

Cherry trees are very scarce again this year.

—CONTINUED ON NEXT PAGE—

PORTLAND SEED CO'S
1905-1906
CATALOGUE OF
SHADE AND ORNAMENTAL TREES,
SHRUBS, ROSES, VINES, ETC.

FRUIT TREES, BUSHES AND PLANTS.
Portland Seed Co.
SALESROOM & TREE YARD
COR. FRONT & YAMHILL ST.
Portland, Ore.

Fruits, Berries, Etc.—Continued

PEARS.

	Each	Per 10	Per 100
2-year-old	\$0.35	\$3.00	\$30.00
1-year-old, 4 to 6 feet	.30	2.50	25.00
Select, 2 to 3-year-old stock	.50	....	....

PEACHES.

2-year-old	\$0.35	\$3.00	\$25.00
1-year-old, 4 to 6 feet	.30	2.50	20.00
Select, 2 years old	.40	....	....

PLUMS.

2-year-old	\$0.25	\$2.25	\$20.00
1-year-old, 4 to 6 feet	.20	1.75	15.00
Select, 2 to 3 years old	.30	....	....

PRUNES.

2-year-old	\$0.25	\$2.25	\$20.00
1-year-old, 4 to 6 feet	.20	1.75	15.00
Select, 2 to 3 years old	.35	....	....

QUINCE.

	Each	Per 10	Per 100
2-year-old	\$0.40	\$3.50	....
1-year-old	.35	3.00	....
Select, 2 years old	.50	....	....

Small Fruits

CURRANTS.

2-year-old	\$0.15	\$1.25	\$10.00
1-year-old	.10	.75	6.00
Extra large selected bushes	.25	....	....

RASPBERRIES.

Best Red Sorts	\$0.06	\$0.50	\$4.00
Low prices by the thousand.	....	....	....

BLACK CAP RASPBERRIES.

2-year-old	\$0.08	\$0.75	\$6.00
1-year-old (January 1)	.06	.50	4.00
Low prices by the thousand.	....	....	....

GOOSEBERRIES.

2-year-old	\$0.10	\$0.90	\$8.00
1-year-old	.08	.70	6.00
Large selected bushes	.15	....	....

GRAPES.

2-year-old	\$0.20	\$1.50	\$10.00
1-year-old	.12	1.00	8.00
Extra large and strong roots	.25	....	....
Low prices by the thousand.	....	....	....

New Mammoth Blackberry

This wonderful new blackberry which was introduced as a novelty several years ago, has proved to be a grand addition to the list of blackberries. The handsome, large, juicy berries are delicious.

This new blackberry is claimed to be a cross between the wild blackberry and the Crandall's Early. Grows entirely unlike any other blackberry plant known. It is a rampant grower trailing on the ground, and under favorable conditions will grow twenty feet in a season; the canes are large, of deep red color when exposed to the sun; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds, thus bringing fancy prices. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small, soft. In size and flavor it is said by those who have tested it to surpass all other varieties of blackberries. We offer it to the public, feeling that it is a novelty of real merit.

Prices: Each, 25c.; per 10, \$2.00; per 100, \$15.00.

BLACKBERRIES.

Standard sorts	Each, 8c.; per 10, 75c.; per 100, \$6.00
Oregon Evergreen	Each, 10c.; per 10, 90c.; per 100, \$8.00.

Send for catalog of Nursery Stock for full descriptions.

Logan Berry

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. It is a cross between a blackberry and raspberry. The vine grows entirely unlike the blackberry or raspberry; it trails upon the ground like a dewberry. The canes are very large, without thorns of the blackberry, but have very fine spines, like those found on the raspberry; leaves resemble those of the raspberry more than the blackberry; are of a deep green color, coarse and thick. 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 firm and a fine shipper. It is excellent for the table, eaten raw or stewed, and for jelly or jam it is without an equal.

Prices: 2-year-old, 20c each, postpaid; by express or freight, 15c. each; \$1.25 per 10; \$10.00 per 100; 1-year-old (tips), \$1.00 per 10; \$7.50 per 100. Low prices by the M.

Burbank's "PHENOMENAL," a New Berry

Mr. Burbank's latest triumph.

It has made for itself, by its just merits, hosts of new friends within the past year. To see it in its perfection is to desire it.

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.

The berries grow in clusters. Easily grown, stands shipping well and warranted hardy everywhere. Culture same as Logan Berries.

Price, 20c. each; \$2.00 per dozen, postpaid; \$10.00 per 100.



MAMMOTH BLACKBERRIES.

Natural size (cut made from photograph).

Spray Pumps

Every grower of fruit, berries or flowers should have a good sprayer or 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 some of the following up-to-date and reliable outfits:

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.



Fig. 1100—POMONA.

- OUTFIT A.—Pump only\$15.00.
- OUTFIT B.—Pump with 10 feet 1/2-inch best spray hose, one Vermorel nozzle, one 8-foot bamboo extension, with globe valve, all complete. \$19.25.
- OUTFIT C.—Same as Outfit B, except we furnish a good hardwood barrel and mount the outfit\$21.75.

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 15-foot leads of best 4-ply spray hose, two Vermorel or Seneca nozzles, two 8-foot bamboo extensions, with globe valves, all in working order and mounted in barrel\$25.00

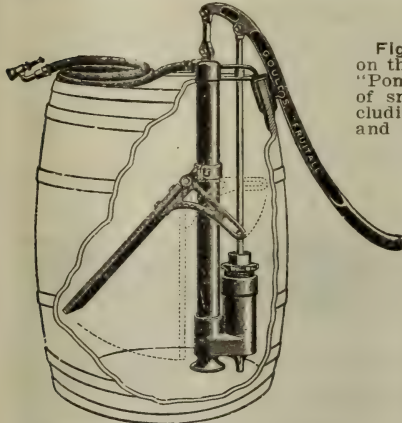
"The Fruitall"

Fig. 1188. "Fruitall" Spray Pump is made on the same general lines as our now 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. Regularly fitted with double wing paddle agitator, same style as used on "Pomona," and which has proved to be the best type. 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.

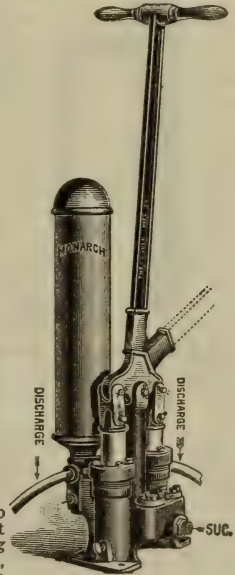
- OUTFIT A.—Pump only\$11.00.
- OUTFIT B.—Pump with 15 feet 4-ply spray hose and one Vermorel nozzle, all complete\$14.00.

POWER PUMPS.

Besides the pumps shown here-with we can also supply the best Gasoline Pump on the market. Write for price and full particulars.



THE FRUITALL.—Fig. 1188.



MONARCH.

Monarch TWO-CYLINDER SPRAY PUMP

Fig. 1618. Monarch. This new pump which we have added to our list this year 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 over to pull or push, or to lift or drop, and can be changed by the operator any time he desires a relief; second, the pump stands outside of the barrel and all parts can be easily looked after; third, cylinders are perpendicular and any grit from the lime is carried on through or falls into the bottom of the chamber and does 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 and the packing is on the outside and can be tightened any time, merely by the use of a wrench, 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.

Price, Pump only, including strainer and hose connection and 5 feet 3/4-in. suction hose\$28.00.
We can supply any outfit desired with this pump.

Sentinel, Jr.

Fig. 1316. Gould's "Sentinel Jr." double acting spray pump is designed especially for, and meets the requirements of, the best orchardists desiring quick work at high pressure. Notwithstanding the large capacity of this pump, one man can operate it constantly against over 100 pounds pressure, without undue effort. Six nozzles are often used, with several leads of hose. Piston is easily and quickly repacked, and all valves easily accessible. Piston, piston rod, valves, valve seats and cylinder lining are brass. Piston rod is outside guided, so that it runs perfectly straight. Pump is now made with removable brass lining, which can be quickly withdrawn by removing the cylinder head. Pump ordered without hose, one inch suction and two 1/2-inch discharge brass hose couplings, also brass strainer. Brass "Y's" for fittings two leads of discharge hose on a side furnished when ordered. Air chamber 5x30 inch.

Pump only, with strainer and couplings.....\$30.00
Five feet of Suction Hose\$1.75
Add \$2.50 to price of pump if pressure gauge is wanted.

We can furnish any outfit desired with this pump. Write for prices on an outfit made up to suit you.



SENTINEL JR.—Fig. 1316.

Spray Pumps—Continued

PORTLAND SEED CO.'S STANDARD BUCKET PUMP.

This little pump is very convenient for all sorts of small work. The best low priced pump on the market. Price, \$2.50.

Fig. 561½. Brass bucket pump, arranged with suction and discharge hose and spray nozzle. With this nozzle a solid stream or a fine spray may be thrown. Pump has brass cylinder, plunger and rod. Pump is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc. Price, complete, \$5.75.



Fig. 1129.



P. S. CO.'S STANDARD.

ASPINWALL POWDER SPRAYER.

Fig. 20. Excellent for blowing powder on vines and bushes; good size and works fine. Price, \$1.25.

ASPINWALL SPRAYER.

Fig. 30. One of the most convenient and economical for using liquid lice killers, sprays, etc. Nothing cheap but the price. Price, 75c.; charges paid, \$1.00.

ELECTRIC SPRAYER.

Fig. 40. A well made, good size, hand sprayer for spraying liquid of any kind. Holds one quart. Price, \$1.00.

SMITH'S PATENT FORCE PUMP.

Fig. 50. Just the thing for whitewashing your henhouse, washing windows and other light work. Fine for sprinkling the garden; handy in case of fire. Tin; four nozzles. Price, \$1.00.



Davol Plant Sprinklers

The bulb is of smooth, firm quality, white rubber. The tips are of hard rubber, well fastened at the neck; will not rust or corrode. A turn of the wrist unscrews the tip to fill bulb by suction.

	Each.	Postpaid.
No. 2, 6 ounce, straight tip.....	\$0.70	\$0.80
No. 3, 8 ounce, straight tip.....	.75	.85
No. 4, 10 ounce, straight tip.....	.80	.90
No. 6, 6 ounce, bent tip.....	.75	.85
No. 7, 8 ounce, bent tip.....	.85	.95
No. 8, 10 ounce, bent tip.....	1.00	1.10

NEW SPRAY

Look up our new Rex Brand Lime and Sulphur. It is all ready for use, no boiling, no mixing—simply mix it with water. Sure death for San Jose Scale, etc. (See page 86.)

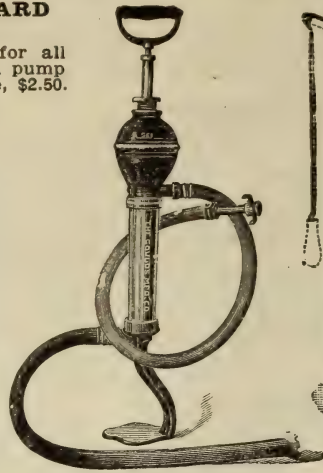


Fig. 561½.



KNAPSACK 1323.

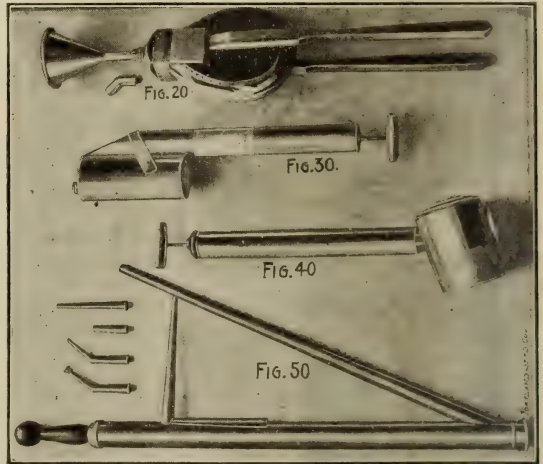
Good Books on Spraying. See page 48.

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; ball valves, proof against the action of acids and oils. Foot piece is malleable iron. Our "Seneca" nozzle is furnished with pump. Pump has no suction hose, but is set in pail or bucket, with foot-rest outside. Price, complete\$4.00

KNAPSACK PUMP.

Fig. 1323. Consists of five-gallon, galvanized tank inside of which is brass pump. Is 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, \$7.50.



WOODASON'S SPRAYERS.

Well known sprayer; the powder sprayers are especially good. (See cut above.)
 For powder, small size, \$1.50; large size.....\$2.00
 For powder, double cone\$3.00
 For liquid, small, \$1.50; large size.....\$2.00
 Finest Hand Sprayer out for house plants.

Nozzles, Connections and Hose Supplies



Fig. 15—Mistry Nozzle. The latest thing in Spray Nozzles. Center of cap is steel, a valuable improvement as it wears longer. We believe it surpasses all other Sprays. It produces a perfect mist or fog with small pressure. Automatic degorger.

Fig. 14—Large Mistry. Same as above but is larger and has a swivel adjustment which allows the spray to be thrown at any desired angle. It produces a perfect mist at 20 pounds less pressure than any other nozzle except the Mistry and covers a greater area.

Bean's Long Distance Cyclone Nozzle. (See cut.) This new nozzle throws a perfect spray and to a great distance because there is no sharp turn to break the force. Cap, made of steel, will wear a long time. Automatic degorger. Price, \$1.00.

Fig. 21—Globe Valve. Can be used on any of our pumps, for closing off one nozzle at a time; ¼-inch round. Price, 50c.

Fig. 18½—Hose Coupling. Female. 2½-inch shank, for heavy pressure spraying; similar to Fig. 19; for half-inch hose. Price, 20c.

Fig. 10—Nozzle Coupling and Hose Stock. Price, 25c.

Fig. 18—Nozzle and Hose Coupling. Price, 30c.

Fig. 336—Three-Way Cock. Price, \$2.00.

Fig. 24—Brass "Y." ½-inch for hose coupling. Each, 50c.

Fig. 24—Brass "Y." ¼-inch for thread for nozzles. Each, 50c.

Fig. 9—Brass "Y." ¼-in. for nozzle only. 50c.

Fig. 4—Extra Caps for Vermorel Nozzles. .15c.

Fig. 3—Extra Caps for Mistry Nozzles.20c.

Fig. 2—Extra Caps for Large Mistry Nozzles. Each, 30c.

Fig. 11-12—Brass Yerndon's Bands. ½ or ¾ inch. Postpaid, each, 5c.; per doz., 50c.

Fig. 19—Female Hose Couplings, or Fig. 20 Male Hose Couplings.

½ or ¾ inch Postpaid, 25c.
1 inch Postpaid, 30c.

Fig. 13—Caldwell Bands. Bend round the hose, tighten with pliers.

½-inch, Postpaid, 25c.; ¾-inch, Postpaid, 30c.

Fig. 8—Iron Hose Menders. ½-inch, or ¾-inch, 5c.; 1 inch.....10c.

Fig. 7—Brass Hose Menders. ½-inch or ¾-inch10c.

Fig. 22—Hose Washers. ½-in., dozen 10c.



Fig. 16—"Vermorel" Spray Nozzle with degorger affords a conical discharge, adapting it for close range spraying of vines, trees, etc. It is readily cleaned in operation by pulling or pressing the degorger. Very popular. Price, \$1.00.

Two-Discharge Vermorel covers twice the surface sprayed by the single nozzle. It is without doubt the best nozzle for general orchard work. Price, \$2.00.

Fig. 6—"Seneca" gives a very wide spray; discharge easily graduated, fan-shaped and can be easily shut off. Price, \$1.00.

Fig. 5—"Pacific Cyclone," similar to Vermorel; no degorger. Price, 60c.

Fig. 17—Bean Improved. Use this nozzle for whitewashing. Will throw a fine fan-shaped spray and will readily free itself, should it become clogged. Price, \$1.00.

Fig. 23—Gem Hose Nozzle. One of the best for yard use. Price, 45c.; postpaid, 60c.

Fig. 25—Bamboo Extension. Has iron pipe inside of bamboo. Has stopcock fitted for ¼-inch pipe. Other end cut ¼-inch pipe thread to fit our spray nozzles.

	Bamboo.	Iron.
2 to 4 feet, with Globe valve.....	\$1.50	\$1.00
6 feet, with Globe valve.....	1.75	1.15
8 feet, with Globe valve.....	1.75	1.25
10 feet, with Globe valve.....	2.00	1.35

Fig. 9—Brass "Y." ¼-in. for nozzle only. 50c.

Fig. 4—Extra Caps for Vermorel Nozzles. .15c.

Fig. 3—Extra Caps for Mistry Nozzles.20c.

Fig. 2—Extra Caps for Large Mistry Nozzles. Each, 30c.

Fig. 11-12—Brass Yerndon's Bands. ½ or ¾ inch. Postpaid, each, 5c.; per doz., 50c.

Fig. 19—Female Hose Couplings, or Fig. 20 Male Hose Couplings.

½ or ¾ inch Postpaid, 25c.
1 inch Postpaid, 30c.

Fig. 13—Caldwell Bands. Bend round the hose, tighten with pliers.

½-inch, Postpaid, 25c.; ¾-inch, Postpaid, 30c.

Fig. 8—Iron Hose Menders. ½-inch, or ¾-inch, 5c.; 1 inch.....10c.

Fig. 7—Brass Hose Menders. ½-inch or ¾-inch10c.

Fig. 22—Hose Washers. ½-in., dozen 10c.

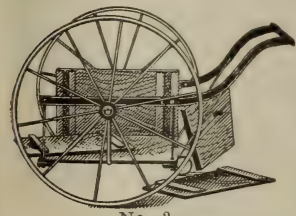


Pacific Lawn Sprinkler

Properly constructed; iron stand, upper part all brass. Turns with small force. Price, \$1.00.

Butler Hand Cart

This cart is made with a platform box set on a dropaxle, so as to be near the ground. It can be used as a barrel cart or for hauling fruit, vegetables, wood, garden truck, grain, leaves, cut grass, trash, ensilage, fertilizer, barrels, kegs, boxes, packages, etc., about the place. The best all-around cart. Strong and well made. Iron wheels, 36 inches high, 1¼-inch tire; frame all steel; platform 28x32 inches square; side boards, 15 inches high; box of hard wood. Fills the want for a two-wheel cart better than any other invention. Its usefulness is unlimited and is not confined to one special purpose. The detachable box increases its utility. Price: No. 1, 1¼-inch tire, \$10.50; 3-inch tire, \$12.25; No. 2, with hard wood box, 1¼-inch tire, \$12.00; 3-inch tire, \$14.50.



No. 2.



No. 1, Without Box.

Spray and Garden Hose

PORTLAND SEED CO'S

DIAMOND BRAND HOSE

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.

RUBBER HOSE.

COTTON HOSE.

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 nose 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 foot, 13c.; 3/4-inch, per foot, 15c.

"HOOD" GARDEN HOSE.

This is an excellent grade of garden hose and is fully guaranteed. It is made with five 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, 12c.

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, 8c.; 3/4 inch, 10c.

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, 5c.; 3/4 inch, 6c.

NOTE.—All of 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. in less than 25-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—Good value for the money.
Per foot, 1/2 inch, 10c.; 3/4 inch, 12c.
Second Grade. Per foot, 1/2 inch, 8c.; 3/4 inch, 10c.

SUCTION HOSE.

This is an excellent grade of suction hose, and is what we furnish with our regular pump outfit. Price, 1 inch, per foot, 35c.

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.

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

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

Read the fine reports—results from our fertilizers; next page.

SHEEP GUANO.

One of the best fertilizers for lawn. It acts very quickly and produces a rich, green grass. Is especially recommended for those who are not familiar with the use of commercial fertilizer as it will not burn or scorch the foliage. We have sold it for several years and know it to be all right. Price, per 100 lbs., \$1.65; per ton, \$27.00.

FISH GUANO.

This is the very best quality of Guano, containing high percentages of nitrogen, phosphoric acid and other fertilizing qualities.

Price: 100 lbs., \$2.00; ton, \$36.00.

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: 100 lbs., \$1.75; ton, \$30.00.

We have a 16-page booklet giving full instructions as to how much fertilizer, when and what kinds, to use on the different crops, etc. Also contains testimonials from reliable growers. Free on request.



POWELL VALLEY GARDENS.

Gresham, Ore., Nov. 1, 1905.

Gentlemen: I send you today two samples of celery, bunch No. 2 fertilized, No. 1 not fertilized. This spring I planted out several acres of celery intended for early market. Although this was among the choicest land in the neighborhood and had an application of barnyard manure at the rate of 25 tons per acre, the celery at the end of June had made no appreciable growth and it was plainly evident unless something was done, the crop would be an entire failure. I came down to Portland to purchase fertilizer and after a talk with your Mr. Lamberson, I felt satisfied that he understood the condition and I left the matter in his hands.

The application of your fertilizer was not made until after dry weather had set in, about July 1st, and owing to insufficient moisture or irrigation, the fertilizer was unable to do its best work, but the results were entirely satisfactory and today I have control of the best celery trade in Portland at highest market prices.

You may make any use of this letter you choose. I merely wish to give credit where credit is due. The seed was supplied by your house. Respectfully yours,

JOHN WALSH.

DOUBLE SUPER PHOSPHATE.

This is a very highly concentrated form of phosphoric acid and although the price may seem high, it is actually the cheapest form in which to buy phosphoric acid. Our present stock contains 46% available phosphoric acid.

Price: 100 lbs., \$3.50; per sack, 226 lbs., \$7.40.

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. 100 lbs, \$3.25; ton, \$60.

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 have a large stock of Potash Salts, direct from the mines at Stassfurt, Germany, and are in position to furnish them at reasonable prices.

Muriate of Potash	.....
Lb., 3/4c.; sack, 224 lbs.,	\$6.50; ton, \$54.00.
Sulphate of Potash	.....
Lb., 3/2c.; sack, 224 lbs.,	\$7.25; ton, \$60.00.
Kanit...Lb., 1/2c.; sack, 224 lbs.,	\$2.50; ton, \$20.00.

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.

Plant Food



A safe, clean and high-grade fertilizer, free from disagreeable odor, prepared especially for feeding plants grown in pots. It is a wonderful invigorator, producing luxuriant, healthy growth, foliage of rich texture and larger and more brilliant flowers. It contains in a highly concentrated form all of the ingredients of plant food essential to the highest development of the plants and flowers. Detailed directions on each package. 1/2-lb. box, 15c.; mail, 25c.; 1-lb., box, 25c.; mail, 40c.



NOTE—Bunch No. 1 of celery is from a patch not fertilized, but given the same care and attention as bunch No. 2, which received an application of our "Diamond Brand" fertilizer. Lot No. 2 sold for double the price of lot No. 1.

No. 1—COMPLETE 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%; phosphoric acid 6%; potash, 8%. Price: 100 lbs., \$2.00; 500 lbs., \$9.50; 1000 lbs., \$18.00; 2000 lbs., \$35.00.

No. 2—ROOT AND POTATO GROWER.

Use this fertilizer on potatoes, beets and all root crops. It is very rich in the foods required by them. Analysis: Nitrogen, 3 1/2%; phosphoric acid, 6%; potash, 9%. Price: 100 lbs., \$2.50; 500 lbs., \$12.00; 1000 lbs., \$23.00; ton, \$45.00.

No. 3—MARKET GARDENERS' SPECIAL.

We have made this fertilizer to supply a demand for the very best for use on such crops as cabbage, lettuce, celery, etc., and it has already earned for itself an enviable reputation. Analysis: Nitrogen, 5%; phosphoric acid, 8%; potash, 9%. Price: 100 lbs., \$2.75; 500 lbs., \$13.25; 1000 lbs., \$26.00; ton, \$50.00.

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%; phosphoric acid, 7%; potash, 9 to 10%. Price: 100 lbs., \$2.25; 500 lbs., \$10.00; 1000 lbs., \$19.00; ton, \$37.00.

Portland Seed Co., Hood River, Or., Sept. 19, 1905. Gentlemen: Last year I tried, as an experiment, 200 lbs. of your No. 4 Fertilizer on one acre of my strawberries. The results were surprising and increased the yield over 30%. This was on an old patch. I am convinced that the fertilizer is a great success and am going to use it on every berry I have this year and am looking for large returns on the money invested besides building up the land. Yours truly, B. F. EADELMAN.

No. 10—SPECIAL HOP.

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, 2 1/2 to 3%; phosphoric acid, 6%; potash, 12%. Price: 100 lbs., \$2.25; 500 lbs., \$10.75; 1000 lbs., \$21.00; ton, \$40.00.

Portland Seed Co., December 7, 1904. Gentlemen: I have used your Special No. 10 "Diamond Brand" Hop Fertilizer for two years, and I am perfectly satisfied with results. The increase in yield and superior quality of the hops makes it a most profitable investment. I most heartily recommend it to all hop growers.

Yours truly, H. C. FLETCHER, Salem, Oregon.

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: 100-lb. sack, 75c.; 1/2 ton, \$6.00; ton, \$11.50.

Booklet—How, When and Why You Should Use Fertilizer, on request.

Spray Material and Washes

For Destroying Insects, Scale, Etc.

This year we have dropped from our list the solid sprays which are so hard to dissolve and put in their places liquids which are far more efficient and much easier handled. All that is needed in our Bordeaux and Rex Brand Lime and Sulphur Mixtures is to add water, either hot or cold, and the spray is ready. There is no grit or sediment from either of these mixtures and they will not clog the strainer or wear out the nozzle.

Rex Brand Lime and Sulphur. This is correctly mixed in liquid form; dilute with 11 parts water for winter use. 1 qt. Bottle, 25c.; 1 gal. Pall, 75c.; 5 gal. Pall, \$2.25; 50 gal. bbl., \$14.

Bordeaux Mixture. For Fungi; in liquid form; dilute with 49 parts water. 1 qt., 60c.; 1 gal., \$1.50.

Whale Oil Soap. For Aphis, Plant Lice, etc. 1 lb., 10c.; postpaid, 30c.

Write for quantity price.

Quassia Chips. Generally used with Whale Oil Soap for lice, etc. 1 lb., 10c.; postpaid, 30c. Write for quantity price.

NOTE—To make standard hop spray, use 1 lb. each Quassia Chips and Whale Oil Soap with 8 gal. water.

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 lbs. keg, \$15.00.

Nico-Fume. Tobacco paper insecticide. Per can of 24 sheets, 75c.

Aphis Punk. A preparation for the extermination of aphis, green and black fly, thrip, etc. Per roll, 5c.; box, 12 rolls, 60c.

Arsenic Soap. To kill aphis. Per can, 25c.

Bluestone. (Vitr.) Lb., 10c.; 10 lbs., 80c.

Buhach. Per oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.

Solid Sprays by mail, 20c. lb. extra; liquids cannot be mailed; write for prices on Sprays in larger quantities.

Fostite. For mildew or fungus. Per lb., 15c.

Fir Tree Oil Soap. For killing green aphis. 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., 15c.; 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.

Helebore. ¼ lb., 15c.; ½ lb., 20c.; 1 lb., 35c.

Kerosene Emulsion. An excellent spray for woolly aphis and clover mite. Qt., 60c.; 2 qts., \$1.00; 4 qts., \$1.50.

London Purple. Per lb., 30c.

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 direction on each package. Put up in 25c., 50c. and \$1.00 packages. 25c. packages will be sent by mail, postpaid, for 35c.

Paris Green. 1-lb. pkg., 35c.; 2-lb. pkg., 65c.

Rose Leaf. For destroying all insects and scale on plants. Pt., 30c.; qt., 50c.

Sulphur, Powder. Lb., 5c.; 100 lbs., market price.

White Arsenic. Per lb., 15c.

Tobacco Stems. Lb., 3c.; per 100 lbs., \$2.50.

Tobacco Dust. Lb., 10c.; postpaid, 30c.; 10 lbs., 60c.; 100 lbs., \$4.50.

Bee Supplies

Our stocks of Bee Supplies are very large and up-to-date. We are Western agents for A. I. Root's Hives and Supplies. Without a doubt we handle more Bee Supplies than any other company west of the Rocky Mountains. The line of supplies we are offering is especially adapted to profitable bee keeping on the Pacific Coast. If you want some supplies or information not found on the following pages, do not hesitate to write us for special Bee Supply Catalog which we gladly send on request.

DOVETAILED HIVES AND FIXTURES.

The Dovetailed Hive is now the leading hive, as it contains many of the most desirable features for the rapid and profitable handling of bees, and they are the cheapest and best hives manufactured.

We sell four grades, Root's, P. S. Co.'s Pine, P. S. Co.'s Cedar and P. S. Co.'s Western Pine; see this and following page.

Portland Seed Co.'s Dovetailed Pine Hives

This hive is similar to the Root Dovetailed Hive, except that it is made from a little different kind of Eastern Pine, but is first-class.

DESCRIPTION AND PRICES. (Order by No.)

Five Hives at Same Rate as Ten.

No. 1 Dovetailed Hive (complete with 1 super) consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 2 tightening springs for super, 6 section holders, 6 slotted separators, 24 sections and foundation starters for frames and sections and nails.

Nailed, \$2.30 each; per 10 K. D. flat, \$20.00.

No. 2 Dovetailed Hive is the same as No. 1, less sections and foundation starters.

Nailed, \$2.00 each; per 10 K. D. flat, \$17.00.

No. 3 Dovetailed Hive is the same as No. 1, except that it has two supers instead of one.

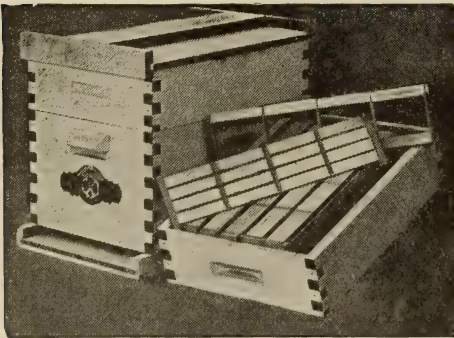
Nailed, \$2.90 each; per 10 K. D. flat, \$25.50.

No. 4 Dovetailed Hive is the same as No. 3, less sections and foundation starters.

Nailed, \$2.35 each; per 10 K. D. flat, \$20.50.

No. 10 Dovetailed Hive (complete two-story for extracting), consists of 1 bottom board, 2 bodies, 1 cover, 16 Hoffman brood frames, 2 division boards and nails.

Nailed, \$2.35 each; per 10 K. D. flat, \$20.50.



AE64S-8 Hive for 4¼ Square Sections, Slotted.

We advise the use of the above combinations, but if you want other sections or separators, make note in your order.

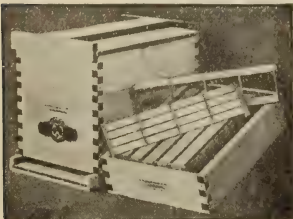
P. S. Co.'s Dovetailed Western Pine Hives

This hive, which we are offering for the first time this season, is really the best value we have ever had. It is standard size and well and carefully made of first-class lumber. The inside fixtures are just the same as in our regular pine hives, and the sections supplied are of the best grade of white Eastern basswood. For general description of the different numbers see corresponding numbers and descriptions above.

PRICES.

	Each	K. D.—Packed	Weight
	Nailed		of 10
No. 1-8.....	\$2.00	\$8.75	280
No. 2-8.....	1.75	7.50	260

Description for numbers same as above.

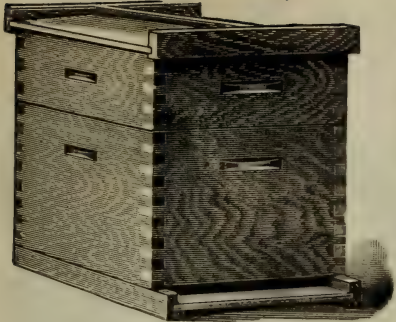


Portland Seed Company's
Dovetailed Western Cedar Hives

These cedar hives are made especially for our Western trade. In construction, they are the same as our pine hives, the only difference being that they are made of superior quality of cedar, the best and most lasting of wood for our Western climate. The sections and separators used in the supers are the regular No. 1 Eastern stock. Price and quality considered, these hives are the best bargains we have to offer.

	PRICES:		K. D.—Packed		Weight of 10
	Each	Nailed	5	10	
No. 1-8	\$1.85		\$8.15	\$16.00	275
No. 1-10	2.10		9.50	18.50	310
No. 2-8	1.60		6.90	13.50	250
No. 2-10	1.80		8.15	16.00	285
No. 10-8	2.00		8.75	17.00	300

For descriptions of numbers see those given for our pine hives on preceding page.



P. S. Co.'s Dovetailed Cedar.

A. I. Root's Dovetailed Eastern Pine Hives

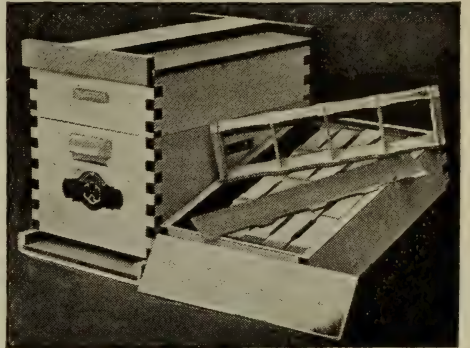
ROOT'S HIVE COMBINATIONS AND HOW TO UNDERSTAND THEM.

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 and numerical order will make all plain:

- A Danzabaker bottom.
- E Excelsior cover.
- G The Gable cover.
- I Super for Ideal plain sections, 3 5/8 x 5.
- M Super, 4x5 plain sections for Danzabaker 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 foundations.
- 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.
- 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 Danzabaker bottom-board, Excelsior cover, 8-frame, dovetailed hive with frames, foundation and super with section holders, 4 1/4



DOVETAILED HIVE, AE64P-8.

plain sections, fences and foundation, the number would stand thus: AE64P-8.

If you wish two supers, in place of the 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 Danzabaker Hive when requested, but as yet it has not become very popular here. More 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	21.50	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-Danzabaker bottom-8	.30	1.45	2.75	40
HIVE COVERS.				
E-Excelsior or G-Gable cover-8	.35	1.70	3.35	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	.80	3.70	7.10	75
No. 1 (4 P, S or I) 10, all complete with starters	.90	4.30	8.10	100
No. 2 (2 P, S or I) 8, all complete, less starters.	.65	2.75	5.25	65
No. 2 (2 P, S or I) 10, all complete, less starters.	.70	3.15	6.00	80
No. 0 (Plain supers) with flat tin; empty.	.35	1.55	2.95	40
DANZABAKER HIVES.				
Danzabaker B-G or A-D, 6-4 M-10	2.85	13.00	25.00	330
Danzabaker B-G or A-D, 5-2 M-10	2.50	11.25	22.00	300
Danzabaker B-G or A-D, 5-10	1.80	7.75	15.00	200
SUPERS.				
Danzabaker 4 M-10 super	1.30	5.50	10.75	120
Danzabaker 2 M-10 super	1.00	4.20	8.00	100

Note—D, Danzabaker cover. M, Danzabaker super.

Hive Fixtures and Miscellaneous Bee Supplies

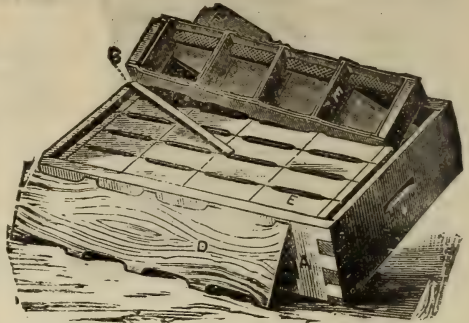
PORTLAND SEED CO.'S DOVETAILED SUPERS

Unless otherwise ordered, we always send S supers for the regular stock 4¼x4¼x1½ sections and wood separators. (See cut.)

PRICE OF P. S. CO.'S SUPERS.

	Nailed or K. D.	Packed in Flat	Wgt. of
	1	5	10
No. 1 Pine	\$.75	\$3.50	\$6.75
No. 1 Western Pine	.65	2.90	5.65
No. 1 Cedar	.60	2.85	5.50
No. 2 Pine	.60	2.60	5.00
No. 2 Western Pine	.55	2.40	4.50
No. 2 Cedar	.50	2.25	4.10
No. 0 Empty, Pine or Cedar	.30	1.40	2.60

For description of super number, see corresponding number describing hives.



Super, Designated as 4-S—Complete.

SECTION HONEY BOXES.

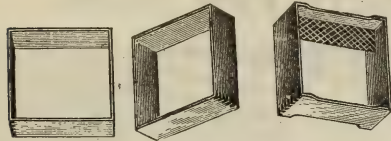
Our No. 1 Sections are made of the choicest white bass-wood lumber, and are all perfect in finish and free from defects.

- No. 1, Best White. Per 100, 70c.; 500, \$3.00; 1000, \$5.90.
- No. 2, Second Grade. Per 100, 60c.; 500, \$2.60; 1000, \$5.00.

If ordered by mail, allow 1c. each for postage.

Order any of the following sizes wanted. We have 4¼x4¼x1½, generally used and always sent unless otherwise ordered; 4¼x4¼x7 to the foot; 4¼x4¼x1 15-16; 4¼x4¼x1¾.

The 4¼x4¼x1½, 3¾x5x1½, and 4x5x1½ Danzebaker, having no beeway, are 25c. M less.



One-Piece V Groove Sections.

Don't forget that we have complete Bee Supply Catalog. Free.

SECTION HOLDERS.

Slotted, 1½x18½ inches	Per 100, \$2.40
Plain, 1½x17½ inches	Per 100, \$2.00
Bottoms only, 1¾ inches wide slotted	Per 100, \$1.25
Danzebaker, reversible	Per 100, \$3.00

SEPARATORS.

Slotted wood, 4¼x18	Per 100, \$1.00
Slotted wood, P. S. Co.'s	Per 100, \$0.75
Plain separators	Per 100, \$0.70
Fence, P or I	Per 100, \$2.00
Fence Danzebaker M	Per 100, \$2.20

IMPROVED HOFFMAN FRAMES.

Hoffman Frames, I. F. F.	Per 10, 35c.; 100, \$3.00
Half Hoffman Frames	Per 10, 30c.; 100, \$2.50
Old Style Moulded Top	Per 10, 35c.; 100, \$2.75

HIVE PARTS.

Division Boards	Each, 10c.; 10 for 90c.
Followers and Wedge	Each, 5c.; 10 for 35c.
Tightening Spring	Each, 1c.; 10 for 8c.

PORTER BEE ESCAPE.

The greatest labor saver introduced in years. Price, 20c., postpaid. Mounted, each, 40c. (can not mail).

PORTER HONEY HOUSE ESCAPE.

No extracting room will be complete without one or more of them. Each, 30c., postpaid.

ALLEY'S DRONE AND QUEEN TRAP.

A non-swarmer device. Each, 50c.; by mail, 65c.

FEEDERS.

Grays.—This is designed to be placed tight up against the entrance. Price, 20c.; by mail, 35c.

Page.—Best feeder for feeding over the brood nest. Each, complete, 30c.; by mail, 55c.

Simplcity. Each, 10c.; by mail, 15c.

Miller's.—Sets on a hive like a super; holds about 25 lbs. of syrup.

Nailed up, complete, each, 35c.; in flat, 30c.

Boardman's. Price, 30c.; without Jar, 20c.

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.

COMB FOUNDATION.

Packed in 1, 2, 3, and 5-pound boxes.

GRADE	Size of Sheets	No. per 100	In Lots of		
			1 lb.	5 lbs.	10 lbs.
Light Standard Brood	7¾x16¾	7	\$0.60	\$0.58	\$0.55
Extra Light Brood	7¾x16¾	9	.65	.63	.60
Light Section	3¾x15½	28	.70	.68	.65
Extra Light Section	3¾x15½	30	.75	.73	.70

If foundation is wanted by mail, add 25c. per lb.

HONEY SHIPPING CASES.

	Nailed, each	Flat, 10.
12-lb. Shipping Cases	\$0.20	\$1.50
24-lb. Shipping Cases	.30	2.35
24-lb., for 3¾x5 Sections	.30	2.35
32-lb., for 1½-inch Sections	.30	2.35
24-lb., for Danzebaker Sections	.30	2.35

FOUNDATION FASTENERS.

Parker's—Well worth the price. Price, 35c.; by mail, 50c.

Daisy Foundation Fastener.—Will put starters in better and faster than any machine before introduced.

Price, without lamp, \$1.00; with lamp, \$1.25.

WIRE IMBEDDERS.

The Easterday. Price, by mail, 25c.

Spur Wire Imbedder.—Teeth set so as to straddle the wire while imbedding it. Price, by mail, 20c.

DAISY FOUNDATION ROLLER.

Used for fastening brood foundation to the top bar in the brood frames. Price, by mail, 20c.

WAX EXTRACTORS.

Doollittle Solar Wax Extractor.—With this the sun supplies the heat. Price, \$4.50, weight, 30 lbs.

Root's German Wax Extractor. Price, \$14.50.

Swiss Wax Extractor.—Comb is put in wire basket inside of can and set over hot water. Simple and good.

Price, \$4.30; with steam generator, \$5.50.

HONEY EXTRACTORS.

Novice Extractor, No. 5—For any frames not over 9½x18½ inches. Price, \$10.00.

Cowan Extractor.—The best machine when rapid work is required.

No. 15.—Cowan two-frame Price, \$13.50

No. 25.—Cowan four-frame Price, \$24.00

GERMAN STEAM WAX PRESS.

Weight, 60 pounds. Price, \$16.00.

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 Cornell. Makes a good, strong blast.

Standard size, 3/4 inch, \$1.00; by mail, \$1.25; Standard Copper, \$1.35; by mail, \$1.60; 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, \$1.50; by mail, \$1.80.

Bingham. This is strong, well made, does not clog up, and burns any fuel. The "Conqueror" and "Doctor" cannot be 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 Large .....	.90	1.10
Bingham Engine	1.60	1.85



BEE VEILS.

Globe. Has five bars that keep veil away from head. Price, \$1.10, postpaid.

Hat Veils. These veils have a rubber band around the top, so as to fit the hat snugly.

- No. 1 Veil, made entirely of silk tulle..... 80c., postpaid.
- No. 2 Veil, cotton tulle, silk tulle face..... 50c., postpaid.
- No. 3 Veil, cotton tullé throughout 40c., postpaid.

PERFORATED ZINC.

Used for making honey boards; also entrance guards, queen and drone traps, etc.

Zinc strips, 1 row holes, 3/4x18 to 1 1/4 inches. Each, 2c.; per 100, \$1.50; each, 3c., postpaid.

Perforated sheets. Each, 28x96, \$2.00; 36x96, \$2.50. 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.

Description.	Size, inches	Prices.	
		1	10
No. 11—8-frame, unbound	12x19 1/2	\$0.25	\$2.00
No. 1—10-frame, unbound	14x19 1/2	.25	2.10
No. 13—8-frame, wood bound.	13 3/4 x 20	.30	2.50
No. 12—10-frame, wood bound.	16 x 20	.30	2.60

BEE ENTRANCE GUARDS.

Root's or Tinker's. These are to admit workers, but exclude drones. Price, 10c.; by mail, 15c.

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 ball, no pole, \$1.20.

No. 30 TINNED WIRE.

	Each.	Doz.
3/4-ounce spools	\$0.08	\$0.55
1/4-pound spools .....	.15	1.50
1/2-pound spools .....	.25	2.50
1-pound spools .....	.40	3.75
5-pound coils	1.25	.....

By mail 1c. per ounce extra.



MISCELLANEOUS SUPPLIES.

- Queen Cell Protectors.**
 - Doolittle
 - 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.; mail, 65c.
- Hill's Devices.** 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 in., \$1.25 per 100. Per 100.

BEE BRUSHES.

- Davis' (See cut). Price, 20c.; by mail, 23c.
- Coggshall's (See cut). Price, 20c.; by mail, 25c.
- Dixie (See cut). Price, 20c.; by mail, 25c.



GLOVES, RUBBER.

- Ladies', sizes 7, 8, 9. Price, \$1.15; by mail, \$1.25.
- Men's, sizes 10, 11, 12. Price, \$1.25; by mail, \$1.35.
- Men's half long, sizes 13, 14 and 15. Price, \$1.50; by mail, \$1.60.
- Men's half long, heavy, sizes 13, 14 and 15. Price, \$1.75; by mail, \$1.85.

Note—To insure getting proper size, mark outline of hand on sheet of paper.

HONEY KNIVES.

- "Novice" Honey Knife. Price, 85c; by mail, 95c.
- Quinby Honey Knife. Price, \$1.00; by mail, \$1.10.
- Abbott Honey Knife. Price, 80c.; by mail, 90c.
- 15c. Honey Knife. Broad, square blade. By mail, 20c.

QUEEN BEES AND COLONIES.

We are in position to furnish full-blooded Italian queens and full colonies. It takes about five days to get bees in from the apiary, so do not expect queens by return mail.



- Untested Queen,** April, \$1.75; May, \$1.50; June, \$1.50; July-August-September, \$1.25.
- Tested Queen,** April, \$2.50; May or June, \$2.00; July-August-September, \$1.50.
- Select Tested Queen,** April, \$3.50; May or June, \$3.00; July, \$2.50; August-September, \$3.00.
- Full colony, in an 8-frame hive.** Price, \$8.00.

CAGES FOR QUEENS.

- Benton.** For mailing and introducing. Each, no candy, 5c.; by mail, 7c.; with candy, each, 10c. by mail.
- The Peet.** Each, 10c.; by mail, 12c.

REMEMBER

Our Complete Bee Supply Catalog is Free

If you have Beeswax to sell, send it to us.

We will take it in trade, or pay you cash.

- T-Tins—14 inches and under.....\$1.25
- T-Tins—Over 14 inches and up to 16 in.... 1.40
- Flat Tins—14 inches and under..... .50
- Flat Tins—Over 14 in., and up to 16 in..... .75

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.)

	Each.	Dozen.	Saucers.
2 inch.....	\$0.03	\$0.25	No
2½ inch.....	.03	.30	extra
3 inch.....	.04	.35	charge
4 inch.....	.05	.55	up to
5 inch.....	.07	.80	seven
6 inch.....	.10	1.10	inch.
7 inch.....	.12	1.25	\$0.03
8 inch.....	.15	1.50	.04
9 inch.....	.25	2.50	.05
10 inch.....	.30	3.00	.08
12 inch.....	.50	5.00	.10
14 inch.....	.75	8.00	.25
16 inch.....	1.25	12.00	.40



AZALIA OR FERN POTS—BULB OR SEED PANS.

	Each.	Dozen.
5 inch	\$0.10	\$1.00
6 inch .....	.12	1.25
7 inch .....	.15	1.40
8 inch .....	.20	1.70
9 inch .....	.30	2.85
10 inch .....	.35	3.50
*12 inch .....	.60	6.00
*14 inch .....	.85	9.00
*16 inch	1.50	14.00

Saucers for these same price as others.
*We cannot supply in Bulb and Seed Pans.

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.



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, ¼ lb. packages, 10c, postpaid; 15c; per lb., 25c., postpaid 50c. Colored Raffia, per package, 10c., postpaid 15c.; 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; 5c. 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.

Send for free pamphlet, "Notes on Raffia," also samples of Raffia, all colors.

We have a valuable little book on Basket Making, only 25c., postpaid.

Traps, Etc.



"OUT O' SIGHT" GOPHER TRAP.

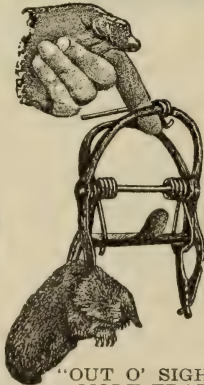


BEFORE TAKEN.

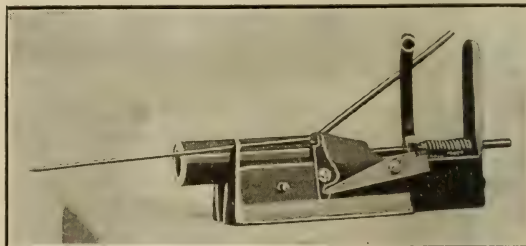


AFTER TAKEN.

None Better



"OUT O' SIGHT" MOLE TRAP.



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 or a pull and can be set for hawks, coyotes and coons.

Price, \$1.75.

REDDICK TRAP.

REDDICK MOLE TRAP.

No Mole Can Pass Under It and Live. These traps are strong and durable and worth the price to anyone troubled with moles. Full directions with each trap. (See cut.)
Price, \$1.00; can not mail.

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

P. S. CO.'S UP-TO-DATE POULTRY SUPPLIES



Do You Keep Chickens?

Did you ever stop to think how easily you could raise and keep at least a few chickens to have for eating and producing eggs—nice fresh ones, the kind you "do not get" from your corner grocer? With our up-to-date Incubators, Brooders, Prepared Foods and all necessary supplies, it is really a pleasure, to say nothing of the profitable side of it, to raise and keep chickens.

Do not make a mistake by trying to keep too many in a small place for a dozen birds in a roomy house and yard will give better returns than three dozen if crowded.

We would like to see more Western people become interested and go into this line of work, for the raising of poultry is a paying business, and a few dollars invested in it will bring many in return and bring them quickly. Oregon and the whole Northwest is a poultryman's paradise. The demand for good poultry and fresh eggs here is much larger than the supply. Eggs especially always bring good prices.

On this and the following pages you will find descriptions and prices of what we believe to be the best and most complete line of poultry supplies ever offered to poultry raisers. Only goods of known merit, tested in practical use and indorsed by experience, have been listed in this catalog. Our trade in this line has increased very rapidly during the past few years on this account.

We take an interest in our customers and are always glad to render them such assistance and help as our experience will permit. Will you be one of our customers? Our complete and fully illustrated Poultry Supply Catalog on request.



Buy a New Model

CORNELL

"The Incubator of Quality"

Awarded a GOLD MEDAL—Highest award at Lewis and Clark Exposition for BEST HATCH.

These machines are built for business and will give perfect results to the market poultryman who is in the business for a livelihood, as well as to the amateur breeder who is in it for pleasure.

They embody the progress achieved in artificial incubation during the past decade, supplemented by the Cornell patented features. They are hand-some machines and are as good as they look.

The Cornell Incubator has proved itself, in actual operation the most successful hatcher on the market. That's why we hold the Pacific Coast Agency.

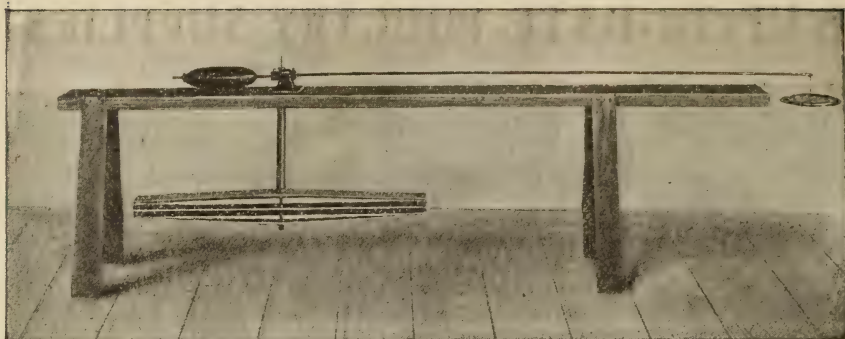
Valuable Features of the Latest Machines

Outer Case, made of the best grade of Virginia Chestnut, as it holds a glued joint better than any other lumber and is not effected by humidity. Every piece is thoroughly seasoned and kiln dried and every joint is carefully fitted, mortised, tenoned and glued, making it impossible for the Cornell to open a joint or spring a panel in a damp location or tropical climate. Patent Table Top completely protects the regulator arm and sensitive mechanism from all outside interference. Plano Fitted Legs are hand turned and readily adjusted without tools or trouble.

Each Cornell machine is given personal attention and when it leaves the finishing room it is by far the hand-somest, most durable incubator on the market. Construction—The Cornell has double walls with two inch air space. Egg-chamber is perfectly insulated from the variation of the outer atmosphere and can be readily heated and regulated under even zero temperature. Regulator—The Cornell new style quadruple-action thermostat (see cut opposite page), has by repeated tests proved itself twice as active as the next best regulator on the market and easily ten times as active as most others.



THE CORNELL



New Cornell Regulator—(Mounted on horse).

Remember
Cornell Incu-
bators won the
ONLY GOLD
MEDAL
awarded at
Lewis & Clark
Fair for
BEST HATCH
any incubator.

We have operated these new model machines this past fall and know from experience that they will do just what the manufacturers claim. In all the years we have sold incubators, we have never seen anything work quite so perfectly or regulate so satisfactorily as the new model Cornell. "The new regulator is a winner." New Style Heater is properly constructed of heavy galvanized iron with cast iron top and a heavy asbestos jacket making it absolutely smoke and fire proof. New Lamp, is provided with a double top containing felt moisture pads which automatically supply moisture into the egg-chamber whenever necessary. In fact, the moisture lamp occupies the same relative position to the eggs as the warm, moist body of the hen. Circulation—The egg-chamber is continually supplied with pure, warm, fresh, humid air continuously displacing the used air which carries away with it every vestige of the waste gases. This perfect system of circulation connected inseparably with the moisture system precludes the possibility of the dead chicks in the shell in eggs possessed of a strong germ. (The new model Cornell is the only incubator which embodies the balance system of construction, heating, regulation, ventilation, circulation and supplied moisture.) While each individual part of the system is perfect in itself for the specific purpose intended, it is essential that every part be inseparably connected, one with the other, in order to force the whole to perform mechanically-perfectly the act of incubation. We do not evade but solve squarely and successfully the "troublesome moisture question" continually overlooked in the literature and construction of "non-moisture incubators." All the important points we have explained so briefly above are fully expounded in the large Cornell Catalog, copy of which will be mailed free upon request. We cannot go into detail in the limited space in this book.

Pacific Coast Prices on Cornell and Peep o' Day Incubators

- | | |
|---|---|
| No. 1—108 Egg CORNELL.....Price, \$22.50
Weight crated, 140 lbs. | No. 1—108 Egg PEEP O' DAY.....Price, \$18.00
Weight crated, 130 lbs. |
| No. 2—216 Egg CORNELL.....Price, \$32.00
Weight crated, 175 lbs. | No. 2—216 Egg PEEP O' DAY.....Price, \$26.00
Weight crated, 160 lbs. |
| No. 3—360 Egg CORNELL.....Price, \$40.00
Weight crated, 230 lbs. | |

Complete and plain instructions fully illustrated, are sent with each machine.

We are Pacific Coast Agents for the Cornell Incubator Company, and buy in carload lots, thereby saving considerable in freight. The above prices are from \$1 to \$3 less than you could buy for direct from the factory, say nothing of the trouble and delay in getting a machine or two out here by local freight.

Peep o' Day Incubators

The heater, regulator, thermometer, egg tray, nursery, etc., is just the same in this incubator as in the Cornell; in fact, this is the Pan-American model of the Cornell Incubator.

The greatest difference in these machines is in the construction and finish. They do not have a table top or compound door, or piano fitting legs, but we would like to impress upon your mind the fact that the Peep o' Day Incubators are built and finished in a much superior manner to most other incubators, especially those that sell at about the same price. The regulation, heating and ventilation are perfect.

We have sold many incubators, but, everything considered, we have never had such good value to offer as these Peep o' Day Incubators. They are equal to any incubator manufactured, with the exception of the latest improved cabinet-finished Cornell. We have tested these machines, here in our store, under trying conditions, and they have proved a great success, and we can safely recommend them as the best low priced incubator on the market. (See prices above.)

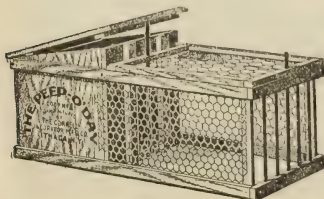


216 Egg Peep O' Day.

If interested send for 50-page booklet containing hundreds of reports and testimonials from users of Cornell and Peep o' Day Incubators.

Peep o' Day Coop, No. 1

This little coop and run combined has come to be most popular. Where the hen is utilized for hatching and brooding purposes, it is most practical. The hen is set in the coop and may exercise in the run. The food and water are placed outside and are reached by the hen through the opening in the front. After the chicks are hatched, they may run out while the hen is confined to the run. Gives perfect protection against storm and animals. Dimensions, coop 18 inches square by 18 inches high, run 18 inches by 24 inches. Floor, cover and top of run are removable. They are made of white pine and neatly painted. Coop is put together with twelve screws. Weight about 30 lbs. Price, \$2.75.



Peep o' Day Brooders

Each year brings a greater demand for the famous Peep o' Day Brooders for they are properly constructed, well made, safe and satisfactory in every way. They are the only dependable brooders we know of today. Let us name a few of their superior points: Perfect ventilation, easily controlled temperature, distribution of heat, freedom from drafts, economy of oil, construction and large size, cast iron lamp (see cut), and new style burner (no chimney, no smoke, no danger of explosion). We have seen and used all the leading makes of Brooders, and everything considered, we can recommend the Peep o' Day as being ahead of any other make on the market. We know we have them for sale, but that is our honest opinion of them, just the same. We are sure that they will please you.

Leading poultrymen all over the United States admit that the Peep o' Day method of brooding is superior to that of the mother hen.



BROODER LAMP, COMPLETE.

Chicken Life Insurance

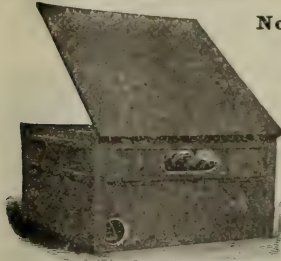
at \$3.50 per 100 pounds. You buy it in sacks. Ask for Portland Seed Co.'s "Diamond Brand" Chick Feed. Feed it and your chickens will live and grow. See page 98.

Our complete Poultry Supply Catalog will give you full information of the different sizes, styles, construction and capacity. Sent free on request.

No. 1 PEEP O' DAY BROODER.

One of the best all-around brooders for both in and out of doors. Absolutely storm proof; plenty of light and ventilation. As soon as the chicks can do without heat, the entire inside of the brooder can be removed leaving a perfect roosting coop. Floor, 3 feet square; weight, 100 lbs.; capacity, 75 to 100 chicks.

Price, \$12.50.

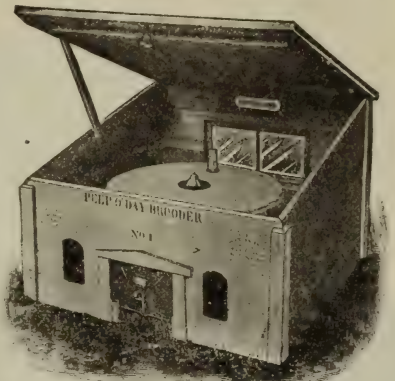


No. 4 INDOOR.

No. 4 BROODER.

We recommend this brooder for general use in brooder houses or under cover of any kind and sell more of this style than any other as our poultry raisers seem to prefer to have their brooders inside, especially in raising early chicks, before the weather is settled. Floor, 3 feet square; weight, 100 lbs.; capacity, 100 to 150 chicks.

Price, \$10.00.



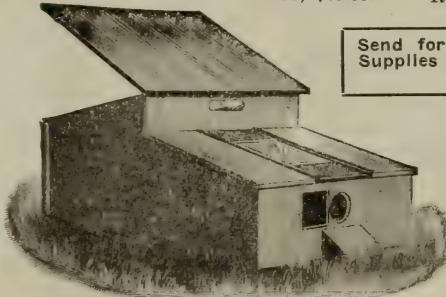
REAR VIEW No. 1 BROODER, Showing Lamp and Hover.

Send for BARGAIN SHEET of Poultry Supplies if you want something for little money.

No. 3 BROODER.

This brooder is just like No. 2 in all respects except that it is smaller, being four feet long by 26 inches wide. Many people prefer to keep a small number of chicks in a brooder. Capacity, 75 to 100 chicks; weight, 75 lbs.

Price, \$9.50.



No. 2 OUTLOOK.

No. 2 BROODER.

An out-door brooder, though, of course, any brooder can be used inside, and should be until the snow is gone. Having the front or sun-parlor addition makes it very desirable as the chicks can be kept in the brooder until the dew is off the ground or on stormy days. Absolutely storm and wind proof. Floor, 5x3 feet; weight, 120 lbs.; capacity, 100 to 150 chicks.

Price, \$14.00.

No. 5 PEEP O' DAY BROODER.

Used to advantage in brooder houses that are built so as to keep a comparatively even temperature or that are equipped with a heater of some kind. In raising young ducks, these brooders are especially satisfactory. With the exception of the wire top, the construction is the same as No. 4. Floor, 3 feet square; weight, 60 lbs.; capacity, 75 to 100 chicks.

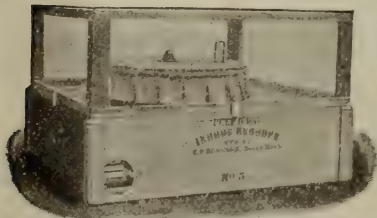
Price, \$8.50; without wire top, \$8.00.

No. 0 JR. PEEP O' DAY BROODER.

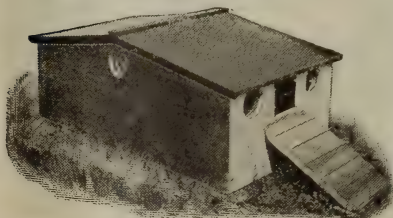
For Indoor or Outdoor Use. Best Cheap Brooder on the Market. This brooder is not on the same principles as the rest of the Peep o' Days, yet gives practically the same results. The hover hangs in the air with absolutely nothing under it for the chickens to crowd against. Cold air is drawn from the outside into the heater and when warmed passes in under the hover. This gives a constant flow of pure, warm air under the hover without cold draughts so that the chicks in the center of the hover receive as much pure air as those at the outer edges. Floor, 26x48 inches; weight, 75 lbs.; capacity, 75 to 100 chicks.

Price, \$8.00.

Space will not permit us to give complete description of each brooder, but we will gladly send fully illustrated catalog on request.



No. 5 INDOOR (Wire Top).



No. 0 Jr. OUTDOOR.

Free Poultry Foods

Those that read this Catalog carefully will get poultry foods free with other goods—get busy—see inside front cover

STILL IN THE LEAD.

Mann's Green Bone Cutters

STILL IN THE LEAD.

OTHER MAKES COME AND GO, BUT THE MANN REMAINS 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 see.

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 the 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.

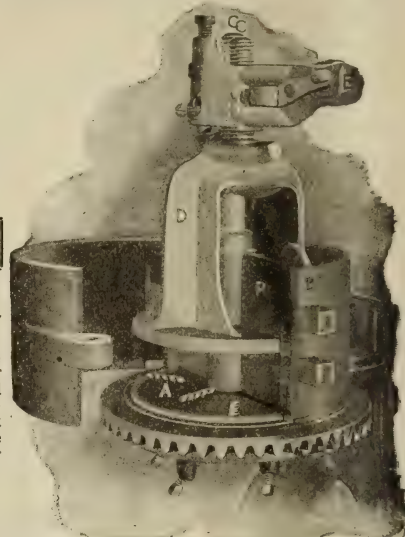
The New No. 7 is mounted on strong iron stand and has patent, automatic, governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts, has six knives, gear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.)

Mann's Bone Cutters are never returned—they please the buyers.

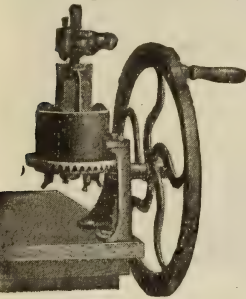
No. 7½.

Adapted to run either by hand or by 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.



Mechanism of the Mann's showing automatic force-feed, cylinder parts, etc. Mann's catalog tells all about it.



MANN'S No. 5 B.

No. 9 (See cut.)

About the same as No. 7 except that it has a larger cylinder and greater holding capacity, different design and larger table.

Bargains

We have a miscellaneous stock of different makes of Bone Cutters which we are anxious to close out on account of room. If interested, send for Bargain Sheet. They are priced way below cost. **GREATEST BARGAINS EVER OFFERED.**

Price List of Mann Bone Cutters.

New Styles.	Price.	Weight.
No. 5 C (with crank handle)	\$0.75	30
No. 5 B (with balance wheel)	10.00	55
No. 5 B (M. B. W. and iron stand) ..	13.00	80
No. 7 (B. W. and iron stand).....	14.50	107
No. 7½ (hand or power)	19.50	150
No. 9 (B. W. and iron stand)	21.00	163
No. 11 (power machine)	30.00	215
No. 12 (power machine)	34.00	260
No. 15 (power machine)	66.00	420
No. 4 B M (B. W. and iron stand) ..	14.00	110

No. 11. (See cut.)

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.

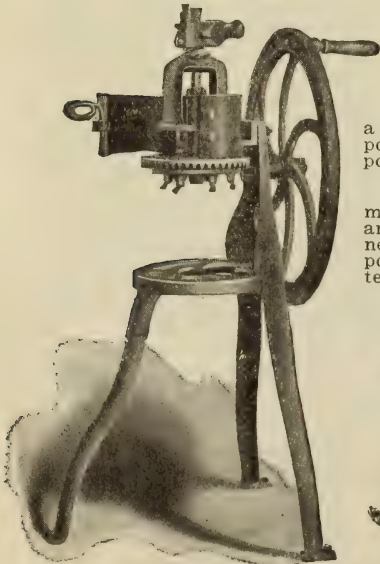
No. 12—POWER.

This machine deserves more than passing notice. It costs but \$4.00 more than the semi-power, or No. 11, yet 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.

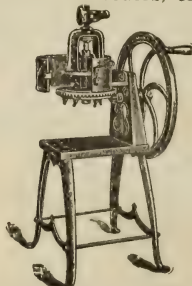
MANN'S HANDSOME 40-PAGE CATALOG

tells all about the different style green bone cutters, clover cutters, corn shellers, grit smashers, etc., and contains much valuable information. Free on request.

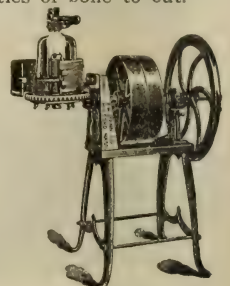
If you want an old reliable machine—one that has established a reputation—buy a Mann's.



MANN'S No. 9.

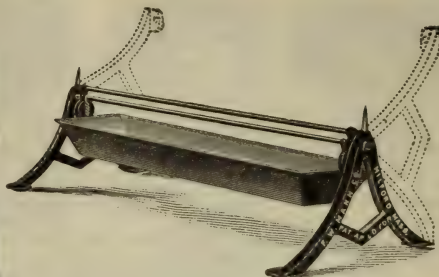
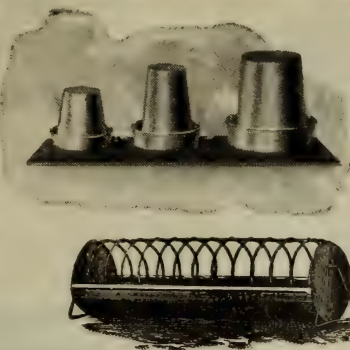
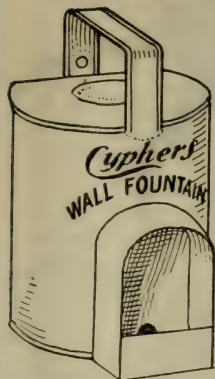


MANN'S No. 7.



MANN'S No. 11.

Miscellaneous Poultry Supplies



Mann's Feed Trays.



Feeding Trough.

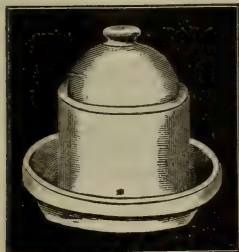
GALVANIZED WALL FOUNTAINS. (See cut.)

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, cleaned 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 safer to ship. A dozen can be put in a compact package for shipment as they nest together. We offer them very cheap.

Small size Each, 30c.; six, \$1.70.
 Medium size Each, 40c.; six, 2.25.
 Large size Each, 50c.; six, 2.75.



Stone Fountain.



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.

MANN'S SWINGING FEED TRAYS. (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 BOXES. (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, 60c. each; 3 for \$1.50.

WIRE-COVERED FEEDING TROUGH. (See cut.)

Decidedly convenient for young chicks. 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. Six

No. 1—10x21x18	\$0.30	\$1.50
No. 2—12x24x20 .....	.40	2.00
No. 3—20x24x20 .....	.50	2.50

RELIABLE FEED COOKER.

Holds 20 gallons; weight 65 lbs.; length 24 in. See Poultry Catalog for full description. Price, \$8.

WIRE HENS' NESTS. (See cut.)

Strongly made; very durable; fastens 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 extra for postage.

OVINAPHTHOL 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 doz. 75c.; postpaid, \$1.00.

PREMIUMS

We offer you many good premiums; see inside front cover.



Harding's Egg Tester.




Wire Nest.



X-Ray Tester.



Nest Egg.

THIS IS
 IT. 
 JUST WHAT
 YOU WANT



Poultry Supplies—Continued



Smith's



Eclipse.



Double Clinch.



Climax.

LEG BANDS FOR POULTRY. (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. Sample band, any kind, 2c.

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 band, 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 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. Prices, postpaid, 12 for 30c.; 25 for 50c.; 60 for \$1.00; 100 for \$1.50.

Sealing Tools. For sealing the bands. Plain jaw, 50c.; lettered jaw, 75c.; postage, 10c. extra.

THE RELIABLE POULTRY PUNCH. (See cut.)

For marking the web between the toes. The very best and handiest marker. Postpaid, 35c.

CYPHER'S PERFECT MARKER.

A simple and perfect punch, is made especially for marking chicks. It makes a good, clear, clean cut. Postpaid, 50c.

PILLING'S CAPONIZING TOOLS.

Complete outfit with instructions, cardboard box. Postpaid, \$2.50.

"TRIUMPH" CAPONIZING SET.

Pronounced by experts to be the best set of tools on the market. Complete set and book of instructions, postpaid, wood box, plush lined, \$3.00; cardboard box, \$2.50.

TRI-JET SPRAYER.

A well made 3-jet hand sprayer, fine for lice killer or any liquids.

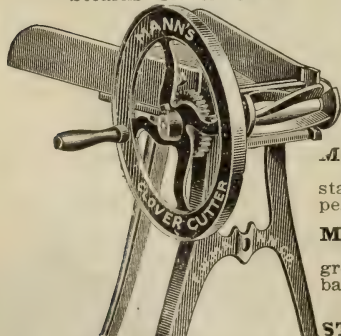
Galvanized, 75c.; Brass, \$1.00. Sent charges prepaid for 35c. extra.

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, 25c. each, postpaid.



Stearns Clover Cutter.



Mann's Clover Cutter.

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.)

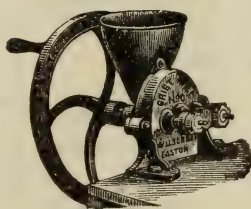
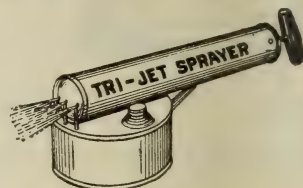
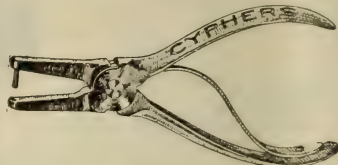
Made entirely of iron and steel. Cuts hay or clover, either dry or green, and more rapidly than any other make. Each revolution of the balance wheel produces twelve cuts. Price, \$9.50; mounted on iron stand, \$12.00.

STEARNS CLOVER CUTTER. (See cut.)

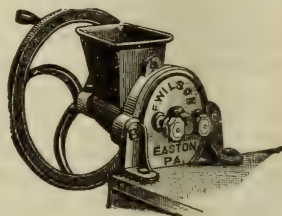
Quite small, but worth the price. Not mounted. Price, \$3.00.



Reliable Poultry Punch.



Wilson Feed Mill No. 0.



Wilson Feed Mill No. 1.

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.

No. 0 WILSON'S. (See cut.)

Especially made for grinding graham flour or corn meal for table use. Can also be adjusted for cracking grain. Weight, 30 pounds. Price, \$5.50.

Limited space in this catalog will not permit us to give complete description of all of our poultry supplies, but we will gladly send our complete and illustrated Poultry Supply Catalog on request.

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 only 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; doz., \$2.25.
 - No. 5, 50-Egg Size, 40c. each; 6 for \$2.25; dozen, \$4.00.
- Sample box No. 3, postpaid, for 25c.



Set Up Ready to Ship.



Ideal Egg Box.

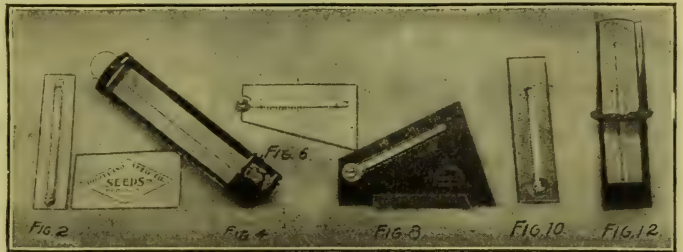
IDEAL PAPER EGG BOXES. (See cut.)

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 place 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. per dozen; \$1.00 per 100; \$9.50 per 1000. Sample box by mail, 5c.

FREIGHT PAID

The premiums we offer (see inside front cover) generally amount to as much as freight charges. In other words you save your freight money.



THERMOMETERS.

FOR INCUBATORS (Tested).

- Fig. 8. Cornell style\$1.00
- Fig. 6. P. S. Co.'s Metal Back75
- Fig. 10. P. S. Co.'s Metal Back60

FOR BROODERS.

- Fig. 12 Peep o' Day\$0.65
- Fig. 2. P. S. Co.'s. For any style brooder..... .50

FOR GENERAL USE.

- Cabinet, 8 inch, wood back, nice finish.....\$0.40
- Fig. 4. Household, 7 inch, black enamel tin case.... .25

RELIABLE EGG CARRIER. (See cut.)

Nicely painted; equipped with the very best fillers. Patent top and sling handle. Holds 12 dozen. Price, each, 75c.



Egg Carriers.

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, 10c.; per dozen, \$1.00.



Roost Hangers.

HYDRO SAFETY LAMP.

Oakes. Made especially for incubators and brooders, has a water jacket and is perfectly safe.

- No. 1—Small size, 5/8-in. wick\$1.00
- No. 2—Medium size, 1-in. wick 1.50
- No. 3—Large size, 1 1/2-in. wick 1.75



Oakes' Hydro Safety Lamp.

Our Complete Poultry Supply Catalog free on request.

WIRE NETTING FOR POULTRY RUNS AND TRELLISES, ETC.

No. 20 Wire, in rolls 150 feet long, in the following widths:

	12 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	60 in.	72 in.
2-inch mesh	\$.85	\$1.25	\$1.65	\$2.10	\$2.45	\$2.85	\$3.25	\$4.00	\$4.80
1 1/2-inch mesh	1.10	1.55	2.15	2.75	3.30	3.85	4.25	5.50	6.50
1-inch mesh	2.00	2.85	3.75	4.50	5.65	6.30	7.20	8.65	10.50

Short lengths, 2-inch mesh, 1c. square foot; 1 1/2-inch mesh, 1 1/4c. square foot; 1-inch mesh, 2 1/2c. square foot. Prices subject to change without notice.

EXTRA PARTS AND SUPPLIES FOR INCUBATORS AND BROODERS.

BROODER PARTS.

- Burners, No. 1, special design.....Postpaid, \$0.50
- Burners, No. 2, special design.....Postpaid, .60
- Felt for Hover Curtains, extra wide, per yard.....Postpaid, 1.00
- Hover Complete 2.75
- Hover only, with Felt Curtains..... .75
- Peep o' Day Brooder Lamp, complete 2.50
- Peep o' Day Brooder Lamp for No. 0 Jr..... 2.00
- Sheet Iron Heater with Stamped Dome..... 1.50
- Thermometer (tested)Postpaid, .65
- WicksPostpaid, 3 for 10c.; dozen, .25

INCUBATOR PARTS.

- Burners, No. 1Postpaid, \$0.40
 - Burners, No. 2Postpaid, .50
 - Egg TesterPostpaid, .50
 - Egg Tray60
 - Heater and Pipes, complete 7.00
 - Lamp Complete, No. 1 1.25
 - Lamp Complete, No. 2 1.50
 - Regulator Complete 5.00
 - Thermometer (tested)Postpaid, 1.00
 - Wicks, Nos. 1 and 2, postpaid, 3 for 10c.; doz. .25
- Write us for prices on other extras.

Extras not marked postpaid must go by express or freight at buyer's expense.

Portland Seed Co.'s "Diamond Brand" Chick Feed



Each year brings a greater demand for our Chick Feed. When we first put our Chick Feed on the market, three years ago, there were no others to be found on this Coast. Now there are dozens of brands of "so-called" Chick Foods, but beware of substitutes. These are dangerous and unprofitable to feed—buy the original, reliable and scientifically prepared "Diamond Brand" Chick Feed, and raise 95 per cent of your chicks. By using Diamond Chick Feed you are giving the chicks just what nature intended they should have, a food composed of grains (cracked), small seeds, grit, bone, dried sweet meats (to take the place of insects and bugs), charcoal, etc., etc., mixed in the right proportion to produce a quick and profitable growth without loss. You can raise so many more chicks by feeding it, that it is the cheapest feed you can buy.

Prices: 5 lbs., 25c.; 12 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.85; 100 lbs., \$3.50.
Directions for feeding with each sack or package.

Reports

Portland Seed Co.

Dear Sirs: We have used "Diamond Brand" Chick Feed and find that it is the best feed for young chicks. Out of a brood of 90 we only lost two. I think it pays to start young chicks right and know of nothing better than "Diamond Brand" Chick Feed.

W. H. INGLISH, Gresham, Or.
Portland Seed Co.

Dear Sirs: I am feeding your "Diamond Brand" Chick Feed to my young chicks and I must say that I never saw chicks do better and grow faster than mine.

PHEBE A. HUTCHINSON,
Dayton, Or.

Portland Seed Co.

Gentlemen: I can truly recommend your "Diamond Brand" of Chick Feed as the best I have ever used for chicks and will use no other if I can get it.

MRS. Wm. C. McDONALD,
Oregon City, Or.



Portland Seed Co.

I hatched 1642 chicks since March 10, and raised 1601 and firmly believe my success is due to your "Diamond Brand" Chick Feed. CHAS. LEINER,
Hillsdale, Or.

Portland Seed Co.

Gentlemen: I have used your "Diamond Brand" Chick Feed the last three years. It is the best feed for chicks on the market.

D. N. NASH,
Woodlawn, Or.



Portland Seed Co.'s DIAMOND MASH.

There is no food equal to our "Diamond Brand" Chick Feed on which to start young chicks, and we do not recommend anything else, but to fill a demand for a soft food or mash to feed the chicks after they are six or eight weeks old, and for grown fowls, we have prepared this food. It is a complete food ground and ready to mix with water, hot or cold, according to the season. It contains all the ingredients necessary to promote a quick growth, to produce eggs and to keep the birds in good condition, summer and winter. Random and haphazard feeding is no longer profitable. Try this food and be convinced. We have thoroughly studied the subject of food for fowls, and know this mash will give you the desired results. It is no more trouble to feed than a bucket of ordinary food, which is very often as good as wasted, as the results are not generally satisfactory. To be successful you should make every pound of feed show results. Diamond Mash costs only a little more than wheat or corn, and is of twice the value. Try it.

Price: 25-lb. sk., 75c.; 50-lb. sk., \$1.35; 100-lb. sk., \$2.50.

SWIFT'S HIGH-GRADE BEEF SCRAPS.

Steel cut, clean and free from dust, hide, hair, etc. There is no waste (as it is not ground up). It 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., \$3.50.

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., \$3.50.

SWIFT'S 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. We do not sell the \$2.00 grade any more.

Price: 10 lbs., 40c.; 100 lbs., \$3.00.

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.

Price: 5 lbs., 10c.; 100 lbs., \$1.50.

Oyster shell, "Western." 5 lbs., 10c.; 100 lbs., \$1.35.

CLAM SHELLS, CRUSHED.

Used the same as oyster shells; harder and sharper.

Price: 5 lbs., 10c.; 100 lbs., \$1.50.

CLOVER 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: 10 lbs., 50c.; 100 lbs., \$4.00.



"DIAMOND BRAND" GRANULATED BONE.

Our "Diamond Brand" is made from selected, hard, white, raw bones, and of a superior quality; an indispensable food for laying hens.

Price: 10 lbs., 25c.; 100 lbs., \$2.00.

Price: 100 lbs., \$1.75.

Ordinary stock. DIAMOND GRANITE CRYSTAL 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. Price: 5 lbs., 10c.; 100 lbs., \$1.50.

STANDARD POULTRY GRIT.

Not equal to Crystal Grit. 100 lbs., \$1.00.

CHARCOAL.

Our charcoal is granulated, prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion; a health preserver.

Price: 1 lb., 10c.; postpaid, 25c.

TOBACCO DUST.

For use in dust baths and nests. A cheap and effective exterminator of lice.

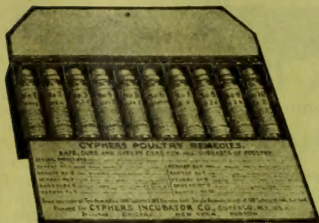
Price: 1 lb., 10c.; postpaid, 25c.

The nicest way to feed Beef Scraps, Shell, Bone, etc., is to put it in one of our Sanitary Feed Boxes. In this way the birds can get just what they need, and they will balance their rations, eating just what their system requires.

DON'T FORGET THAT WE ISSUE A COMPLETE POULTRY SUPPLY CATALOG.

Poultry and Stock Foods, Remedies, Etc.

Poultry Medicines



Cyphers Poultry Remedies represent an armament sufficiently complete for combating all the common diseases of poultry and checking at the start any threatened epidemic. Complete directions for use are attached to the lid of each case, and are printed on the label of each vial.

These remedies are in tablet form, and are given by dissolving them in the drinking water.

Remedy No. 1. Useful in all catarrhal colds of poultry having rattling in the throat.

Remedy No. 2. For sudden colds with snuffles, watery discharge from eyes and nostrils, and much sneezing. Prevents and cures roup.

Remedy No. 3. Cures chronic catarrhal colds which are accompanied by a hard, croupy cough.

Remedy No. 4. Reliable cure for cholera and diarrhoea.

Remedy No. 5. Cures diphtheritic roup, and all forms of canker.

Remedy No. 6. For all forms of indigestion and liver diseases, sour crop, indigestion, loss of appetite.

Remedy No. 7. Valuable in eye diseases of poultry, accompanied by the swelling of one eye, with a collection of yellow matter under the lids.

Remedy No. 8. For rheumatism and cramps in fowls or chicks.

Remedy No. 9. Useful to get rid of worms and other intestinal parasites.

Remedy No. 10. For the cure of the disorders of egg organs, which cause soft-shelled and blood streaked eggs.

Single vials, mailed in strong, especially prepared mailing tubes, each, 40c.

Prussian Remedy Co.'s Preparations

We are western agents and buy these goods in carload lots.

Prussian Stock Food. One of the best foods on the market.
3-lb. pkg., 150 feeds, 50c.; 7-lb. pkg., 350 feeds, \$1.00; 25-lb. pail, 1200 feeds, \$3.50.

Prussian Lice Powder. You dust it on. Does its work thoroughly. Per can, 25c. and 50c.; 25c. pkg., postpaid, 40c.

Prussian Poultry Food. Prevents and cures diseases, such as cholera, roup, etc. Helps hens lay and chicks grow. Per pkg., 25c. and 50c.; 25-lb. pail, \$3.00; 25c. package, postpaid, 40c.

Prussian Lice Killer (Liquid). Will quickly rid your poultry of lice, mites and other vermin. Per can, 50c. and \$1.00.

Prussian Worm Powders. The greatest worm remedy on the market for horses.

Per pkg, 50c.; postpaid, 60c.

Prussian Heave Powders. A guaranteed cure for heaves, coughs, colds and lung fever.

Per pkg., 50c.; postpaid, 60c.

Prussian Cough and Distemper Cure. The best remedy made for coughs and distemper.

Per pkg., 50c.; postpaid, 60c.

Prussian Veterinary Cureine Salve. Quickly cures barbed wire cuts, wounds, sore shoulder. No scar.

Box, 25c and 50c.; 25c. can postpaid, 30c.

Prussian Spavin Cure. Cures spavin, ringbone, etc., without blistering.

Per bottle, \$1.00.

Prussian Blister. For general use where a blister is needed.

Per box, postpaid, 50c.

Prussian Horse Liniment. A superior liniment for all general use.

Per bottle, 25c. and 50c.

Prussian Colic Killer. Kills colic or belly-ache in horses and cattle. Gives relief in 20 minutes.

Per bottle, 50c. and \$1.00.

Prussian Barbed Wire Liniment. Cures wire cuts and all wounds. Price, 50c.

Prussian Knapo-Curo. The greatest disinfectant known; good dog wash. Qt. can, 50c.; 1/2 gal., \$1.

Prussian Sheep Dip. Cures scab; kills ticks. Qt. can, 50c.; 1/2 gal., \$1.00; gal, \$1.50.

Prussian Hoof Packing. 25c. and 50c.

Prussian Fly Knocker. Keeps flies off. 50c. and \$1.00.

Prussian Hog Worm Powders. Pkg., 75c.; pail, \$2.50.

Prussian Calf Food. Pail, \$1.50.

A Valuable Book Free. The Prussian Company have issued a very fine, 130-page book entitled "Farmer's and Stockman's Hand Book." It tells all about care and treatment of stock and gives poultry keepers good pointers; finely illustrated—free on request.



Avenarius Carbolineum

The famous German wood preserver and insecticide. Paint or spray your chicken houses, hog pens, stables, sheds, etc., with Avenarius Carbolineum, to permanently destroy all poultry and other vermin and preserve your buildings from rot and decay.

Qt. can, 50c.; gal., \$1.50; 5-gal. cans, \$6.00.

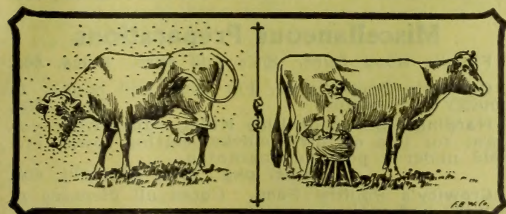
Lambert's Lice Remedies

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.



Before.

After

Sprague's Fly Bouncer.

1/2 gal., \$1.00; gal., \$1.50.

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.

Fly Sprays

"Knocks the Flies!"

So-Bos-So Kilfly. Use Child's "So-Bos-So Kilfly" 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. It 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 a cloth, sponge or hand sprayers listed on page 81. Write today for 20-page booklet.

Put up in 1-gallon sealed cans only, price \$1.50.

Order a can with your other goods and be ready for the flies when they come.

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.

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.

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.

Pkgs., 25c., 50c. and \$1.00; 25 lb. pall, \$3.50.

International Poultry Food. Increases egg production; makes chickens grow and keeps them in perfect health.

Pkgs., 25c., 50c. and \$1.00; 25-lb. pall, \$3.50.

International Louse Killer. Will quickly kill lice, fleas, etc., and not hurt the poultry. A large package for little money and fully guaranteed.

Pkg., 25c.

International Heave Cure. A guaranteed cure for heaves, asthma, broken wind, coughs, etc.

Pkg., 50c.; postpaid, 60c.

International Worm Powder. Safe to use; quick and sure in results.

Pkg., 50c.

International Lice Paint. One of the best liquid lice killers on the market.

35c. and 60c. cans.

International Gall Cure. Your money refunded if it fails to cure calls, sore shouldered, necks or backs, cut or bruised heels, etc.

Box, 25c. and 50c.

International Pheno-Chloro. A reliable and low priced disinfectant, antiseptic and germicide for use anywhere. A 50c. can makes 25 gallons ready for use.

25c., 50c. and \$1.00 cans.

International Harness Dressing. A combined soap and oil dressing. Makes old harness look like new. Does not rub or wash off.

25c. and 50c. cans.

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.

50c. and \$1.00 cans.

International Colic Cure. A quick, sure cure for any kind of colic. Fully guaranteed.

50c. and \$1.00.

International Silver Pine Oil. A wonderful cure for barbed wire cuts, sprains, kicks, bruises, inflammation, etc. Purifying and soothing.

25c., 50c. and \$1.00.

—\$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.

Geo. H. Lee's Preparations

Geo. H. Lee's Foods and Remedies are too well known to need much description. Wherever they have been used, they have made friends. From time to time Mr. Lee issues valuable booklets which we will gladly mail to any one desiring them. The latest books, "A Thousand Dollar Egg," and "Mandy's Poultry School," etc., are well worth reading. If interested, write for copies.

We are his agents for Oregon and Washington and buy his goods by the carload.

Lee's Lice Killer. The best liquid on the market for killing lice, mites and other vermin on poultry.

Qt., 35c.; 1/2 gal., 60c. gal., \$1.00; 5 gals., \$4.00.

Lee's Best Conditioner Stock Food. Promotes good health, digestion and assimilation.

Put up in 25c. and 50c. pkgs.; 25-lb. palls, \$2.50.

Lee's Egg Maker. It will make hens lay, chicks grow, and keep them all in healthy, vigorous condition.

2 1/2-lb. pkg., 25c.; 25-lb. pall, \$2.00.

Lee's Hog Remedy cures all diseases of hogs and keeps them healthy. Pkg., 75c.; 25-lb. pall, \$2.

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.

Lee's Carbolic Sheep Dip. For lice, ticks, mange, itch or scab, on cattle, sheep and hogs.

1/2-gal. can, 60c.; gal., \$1.00; 5 gals., \$4.00.

Lee's Peerless Gopher Killer. For killing gophers, squirrels, etc. Sure death.

Qt. can, 75c.

Lee's Germozone—Liquid. 12-oz. bottle, 50c.

Lee's Germozone—Tablets. Pkg., postpaid, 50c.

Lee's Peerless Bug Killer. 12-oz. bottle, 25c.

Lee's Hickory Smoke Extract. 12 oz., 35c.; 32 oz., 75c.

"Black Leaf" Sheep Dip

We buy it in carload lots.

Has much the best standing and by far the largest sale of any proprietary dip on the United States market. The "Black Leaf" Dip contains more Nicotine, Oils and Gums of Tobacco than that of any competing preparation on the market. It is therefore bound to produce better results. In addition, it is economical and is harmless to sheep and wool. It is exactly the dip you want.

"Black Leaf" is also largely used for Ticks, Lice, Mange and other insect pests on Sheep, Hogs, Cattle, Horses, Dogs, Goats, Chickens, Flowers and Fruit Trees. Approved by United States Government and State officials. Send for 16-page descriptive booklet containing valuable information on sheep dip and mode of dipping.

Per gal., \$1.25; 5-gal. can, \$5.00.

Miscellaneous Preparations

Flood's Roup Cure. Safe and sure. Price, 50c.

Conkey's Roup Cure. For roup and canker in poultry and pigeons. Price, 50c.

Harding's Six-Hour Lice Killer. Just what you want for lice on little chicks, setting fowls, etc. Sold under a positive guarantee.

18-oz. pkg., 25c.; postpaid, 40c.

Crowley's Poultry Food. Cures all diseases of poultry and makes eggs.

50c. size, 35c.; \$1.00 size, 70c.

—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.

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.



Send for copy of new book "The Cost of a Lost Cow" It will tell you how to practically realize a profit of over \$50 per year on each of your cows. Sent free to any address.

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, Caked Udders, 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.

WE ARE
PACIFIC COAST
AGENTS

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.

Horse Comfort. For wire cuts and all flesh wounds. 25c. and 50c. bottles.

American Horse Tonic. A general improver for horses. 50c. boxes.

REFERENCE TABLES

Number of Plants or Trees to the Acre at Given Distances.

Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.
12x 1 in.	522,720	24x24 in.	10,890	36x36 in.	4,840	60x60 in.	1,743
12x 3 in.	174,240	30x 1 in.	209,088	42x12 in.	12,446	8x 1 ft.	5,445
12x12 in.	43,560	30x 6 in.	34,848	42x24 in.	6,223	8x 3 ft.	1,815
16x 1 in.	392,040	30x12 in.	17,424	42x36 in.	4,148	8x 8 ft.	680
18x 1 in.	348,480	30x16 in.	13,068	48x12 in.	10,890	10x 1 ft.	4,356
18x 3 in.	116,160	30x20 in.	10,454	48x18 in.	7,790	10x 6 ft.	726
18x12 in.	29,040	30x24 in.	8,712	48x24 in.	5,445	10x10 ft.	435
20x 1 in.	19,360	30x30 in.	6,970	48x30 in.	4,356	12x 1 ft.	3,630
20x 1 in.	313,635	36x 3 in.	58,080	48x36 in.	3,630	12x 5 ft.	736
20x20 in.	15,681	36x12 in.	14,520	48x48 in.	2,723	12x12 ft.	392
24x 1 in.	261,360	36x18 in.	9,680	60x36 in.	2,901	16x 1 ft.	2,722
24x18 in.	15,520	36x24 in.	7,260	60x48 in.	2,178	16x16 ft.	170

Weight of Various Articles.

Articles.	Per bushel.
Barley	48 lbs.
Beans	60 lbs.
Buckwheat	48 lbs.
Blue Grass—	
Kentucky	14 lbs.
English	24 lbs.
Canary Seed	60 lbs.
Cheat	34 lbs.
Clover Seed	60 lbs.
Corn-wheat	60 lbs.
Corn, Shelled	56 lbs.
Charcoal	22 lbs.
Flax Seed	56 lbs.
Grass Seeds (unless otherwise stated)	14 lbs.
Hemp Seed	44 lbs.
Hungarian	48 lbs.
Lawn Grass	20 lbs.
Meadow Fescue	24 lbs.
Millet	48 lbs.
Oats	32 lbs.
Orchard Grass	14 lbs.
Peach Pits	48 lbs.
Peas, Smooth	60 lbs.
Peas, Wrinkled	56 lbs.
Perennial Rye	20 lbs.
Potatoes	60 lbs.
Flax	60 lbs.
Rye	56 lbs.
Red Top	14 lbs.
Red Top, solid seed	42 lbs.
Speltz	40 lbs.
Timothy Seed	45 lbs.
Vetches	60 lbs.
Wheat	60 lbs.

Quantity of Seed required to produce a given number of plants and Sow an Acre.

Articles.	Quantity per Acre.
Artichoke, 1 oz. to 500 plants.	6 oz.
Asparagus, 1 oz. to 800 plants.	1 lb.
Asparagus Roots	5000 to 10,000
Barley	2 1/2 bu.
Beans, dwarf, 1 pt. to 100 ft. of drill.	1 bu.
Pole, 1 pt. to 100 hills	1/2 bu.
Beet, garden, 1 oz. to 100 ft. drill.	7 lbs.
Mangel, 1 oz. to 75 ft. of drill.	5 lbs.
Broccoli, 1 oz. to 1000 plants.	4 oz.
Brussels Sprouts, 1 oz. to 100 pfts.	4 oz.
Broom Corn, in drills	15 lbs.
Buckwheat	1 bu.
Cabbage, 1 oz. to 1000 plants.	4 oz.
Carrot, 1/2 oz. to 100 ft. of drill.	3 lbs.
Cauliflower, 1 oz. to 2000 plants.	3 oz.
Celery, 1 oz. to 5000 plants.	6 oz.
Chicory	2 bu.
Clover, Alsike and White	6 to 8 lbs.
Alfalfa	15 to 20 lbs.
Crimson Trefoil	10 to 15 lbs.
Large Red and Medium	10 to 12 lbs.
Collards, 1 oz. to 2000 plants	4 oz.
Corn-wheat	2 bu.
Corn, Pop (shelled)	4 qts.
Sweet	12 to 20 lbs.
For Soiling	2 bu.
Cress, 3/4 oz. to 100 ft. of drill.	1 lb.
Cucumber, 1 oz. to 100 hills.	2 to 3 lbs.
Egg Plant, 1 oz. to 2000 plants.	4 oz.
Endive, 1/4 oz. to 100 ft. of drill.	4 1/2 lbs.
Flax, broadcast	3/4 bu.
Grass, Blue, Kentucky	2 bu.
Blue, English	1 bu.
Hungarian and Millet	3/4 bu.
Mixed Lawn	5 to 6 bu.
Red Top	2 bu.
Red Top, solid seed	12 lbs.
Timothy	12 to 15 lbs.
Orchard, Perennial Rye, Red Top,	
Fowl Meadow, Wood Meadow	.2 bu.
Horse Radish Roots	10,000 to 15,000
Kale, 1 oz. to 5000 plants	4 oz.
Kaffir Corn, in drills	6 to 8 lbs.
Kohl Rabi, 1 oz. to 50 ft. of drill.	
Leek, 1 oz. to 100 ft. of drill.	4 lbs.
Lettuce, 1 oz. to 150 ft. of drill.	3 lbs.
Millet, for seed 20 lbs., for hay.	30 lbs.
Melon—	
Musk, 2 oz. to 100 hills	2 to 3 lbs.
Water, 2 oz. to 100 hills.	2 to 4 lbs.
Nasturtium, 1 oz. to 25 ft. of drill.	
Oats	2 to 3 bu.
Okra, 1 oz. to 100 ft. of drill.	8 lbs.
Onion Seed—	
For Sets	.60 to 85 lbs.
1 oz. to 150 ft. of drill	5 to 6 lbs.
Onion Sets, 1 qt. to 40 ft. of drill.	8 bu.
Parsnips, 1 oz. to 150 ft. of drill.	3 lbs.
Parsley, 1 oz. to 150 ft. of drill.	3 lbs.
Peas—	
Field	2 bu.
Garden, 1 lb. to 100 ft. drill.	1 to 2 bu.
Pepper, 1 oz. to 1000 plants	4 oz.
Pumpkin, 3/4 lb. to 100 hills.	3 to 4 lbs.
Radish, 1 oz. to 100 ft. of drill.	10 lbs.
Rape	3 to 5 lbs.
Rye	1 1/2 to 2 bu.
Salsify, 1 oz. to 100 ft. of drill.	8 lbs.
Speltz	100 lbs.
Spinach, 1 oz. to 100 ft. of drill.	3 lbs.
Sugar Cane, in drills	10 lbs.
Sunflower	8 lbs.
Squash, Summer, 4 oz. to 100 hills.	3 lbs.
Winter, 8 oz. to 100 hills.	4 lbs.
Tomato, 1 oz. to 2000 plants	4 oz.
Tobacco, 1 oz. to 5000 plants	2 oz.
Turnip, 1 oz. to 150 ft. drill.	2 to 3 lbs.
Vetches	2 bu.
Wheat	2 bu.

Salem's Greatest Seed Store



*Let us book your order for Roses.
We have all the good old varieties
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See pages 65 to 69

Savage & Fletcher
Salem, Oregon