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Do not assume content reflects current scientific knowledge, policies, or practices.
Main part of our Salesroom at our East Side Store

Main part of our Salesroom at our West Side Store
Greetings to Our Customers and Friends:

On this New Year's day we extend to all our customers and friends the "season's greetings." We wish you a very happy, prosperous and successful new year.

We have re-written and revised this catalog and made it right up to date. Some stocks have been discarded and others of increased value added.

Remember our motto is "Quality First," then prices as low as we can make them. We are catering to the planters, growers and poultry keepers that appreciate "Highest Quality" and good service. We are in close touch with the world's best markets and know that our "prices" and "quality" are right. Thousands of our customers testify to this. You will find a few reports scattered throughout this catalog. These unsolicited reports are encouraging and our rapidly increasing business leads us to believe we are supplying satisfactory stocks and giving efficient service. See illustrations of our East and West Side salesrooms, inside front cover.

We certainly appreciate the support given us and thank you sincerely for past orders, and hope that we will have the pleasure of serving you again this year.

Routledge Seed & Floral Co.

NEW EAST SIDE STORE AND WAREHOUSE, Grand Avenue, corner East Stark.
MAIN OFFICE, MAIL ORDER, RECEIVING DEPT., Grand Avenue, corner Stark.
WEST SIDE STORE, 145-147 Second Street between Morrison and Alder.

U.S. PARCEL POST RATES AND REGULATIONS

BY PARCEL POST.—We do a direct mail order business with our customers. This enables us to give you direct and personal attention, quick service and lower prices.

Size and Weight of Parcel Post Packages

Packages cannot be sent that measure over 84 inches in length and girth combined. The weight limit for the local, first, second and third zones is 70 pounds. The weight limit for the third to eighth zones is 50 pounds, except as follows:

ALASKA, MEXICO, CUBA, HAWAII, PANAMA and the PHILIPPINES take the 8th zone rate with a WEIGHT LIMIT OF 20 LBS. Note—Postage must be added in lb. lots or over.

CANADA postage rate is 14c for every pound or fraction thereof with a WEIGHT LIMIT OF 15 LBS. ADD POSTAGE IN LB. LOTS OR MORE.

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Note.—B—Bulbs. P—Plants. R—Roots. F—Flowers
PREMIUM FOR ORDERS, BEFORE FEB. 15TH

Note—Between January 1st and February 15th, 1928

3 10c Pkts. of Seeds or 50c Worth (1 Doz.) Superb Mixed Gladioli Bulbs

To stimulate early mail orders, so as to save some extra help in the mail order department during "the spring rush," we offer free as stated above your choice of either the Seed or Bulb Premium, provided your cash order amounts to $1.00 or over.

Don't Delay. Order at once for every mail order received before February 1st will get a "Surprise Premium" in addition to above.

By Mail or Parcel Post

On Cash Orders we will at prices printed in this catalog send by prepaid parcel post all Seeds in packets, ounces or single pounds, anywhere in the United States.

Small Plants (not potted). Bulbs and Roots are postpaid, unless otherwise stated.

SEEDS IN BULK.—When you order Seeds in quantity above 1 lb., add postage, unless otherwise stated. (See parcel post rates, page 1.)

TOOLS, SUPPLIES, FOODS, REMEDIES, ETC. —On this class of goods we have marked the parcel post weight, including packing (PP. Wgt.), so that you can add postage to catalog prices if you want them by parcel post. PP. Wgt. does not mean postpaid.

HARDY FLOWERING SHRUBS, SMALL FRUIT, BERRY and ORNAMENTAL SHRUBS and PLANTS, CLIMBING VINES and 2-YEAR-OLD ROSE BUSHES can be sent by parcel post if necessary, but be sure you send extra money for packing and postage. Postage and packing charges will be specified on the different pages unless the prices are postpaid.

NOT MAILABLE.—Plants in pots, large branching shrubs, Evergreens of all kinds, that must be bailed in earth. Fruit and Shade Trees cannot be sent by Parcel Post. Neither can Insecticides that are poisonous, flower pots, jardinieres, bird cages, or liquids in larger than 1-pint cans.

By Freight or Express

We DO NOT at catalog prices pay freight or express charges on any stock we offer, unless so stated; therefore, take note of the following paragraphs:

ORDER EARLY.—We aim to execute all orders as soon as received, but during the rush season, March and April, short delays may occur, which, however, can be overcome by our patrons anticipating their wants and ordering and taking delivery of their requirements early.

CORRESPONDENCE.—We try to give prompt attention to all proper letters of inquiry, etc., but ask, as a favor, that all questions be stated clearly and briefly, and not on order sheets.

OUR TERMS ARE STRICTLY CASH—NO C. O. D. SHIPMENTS.—The proper remittance must in all cases accompany the order. Send money by bank draft, postoffice or express money order. Personal checks if O. K., also postage stamps for small amounts. We will not be responsible for stamps or coin sent in unregistered letters.

LARGE ORDERS.—Any gardener, institution or individual wishing seeds, plants, trees or supplies in large quantities is requested to mail a list of what is wanted, stating grade, size or amount, and we will promptly return it with our very lowest prices. A letter of inquiry may save you dollars if you want to buy in QUANTITY, or some PARTICULAR STOCKS.

PREPAY STATIONS.—When you send in orders to go by freight or express be sure you send extra money to pay the transportation charges if your station is a prepay point, which is always the case where there is no regular agent. If you send more than enough, we will refund it as soon as we get the prepay bill. If not enough, we will write for the balance and expect you to remit promptly.

SEASONABLE STOCKS.—Many customers order plants and bulbs out of season—that is, before we get stocks in or perhaps too late in the spring. Rather than delay the balance of your order, we will send what is seasonable at once and defer the balance until proper planting season unless otherwise instructed.

REPORTS—GOOD OR BAD.—Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

MISTAKES.—These will happen occasionally, in spite of all care. Write us at once, with copy of original order, if possible, and mistakes will be promptly rectified.

NOTE.—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, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, nursery stock, roots 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 to be returned at once.
ARTICHOKE

LARGE GREEN GLOBE.—The well-known French vegetable; the undeveloped flower heads, when properly prepared, make a most delicious dish. Pkt. 15c; oz. $1.25

White Jerusalem.—Tubers grown for stock. See page 42.

ASPARAGUS

Washington Rustproof

The strain we offer has been produced from seed of the most uniform rust-resistant, highest-yielding, largest in size and quickest-growing plants in the original selections by the U. S. Department of Agriculture. Pkt. 15c; oz. 50c; 4 oz. $1.50; lb. $4.50

PALMETTO

Early, prolific; large, thick, dark-green shoots of delicious quality. The most popular commercial variety. Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

COLUMBIAN MAMMOTH WHITE.—Gives immense yield of large, clear, white shoots; very tender and of excellent flavor. Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

GARDEN BEANS

DWARF OR BUSH GREEN PODDED KINDS

PACKET, ¼-LB. AND 10-LB. PRICES ARE PREPAID. WRITE FOR LOW QUANTITY PRICES.

STRINGLESS GREEN POD

This famous Bean is unequaled as a first-early; also for main crop. It combines unusual hardiness, extreme earliness, and wonderful productiveness with handsome appearance and finest quality of pods. By repeated plantings pods may be had in constant succession from spring until cut off by heavy frosts in the fall. The pods are of the finest quality, of a rich green, very round and slightly curved, medium long, solid, meaty and plump. The pods are tender, brittle, and of finest flavor, always entirely stringless even when fully grown.

Large pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $3.00.

EARLY REFUGEE.—An old and popular variety. Pkt. 10c; lb. 30c

ROUTLEDGE

STRINGLESS REFUGEE

An improved stringless strain. Very hardy and extremely productive. Pods round and straight, tender, brittle, absolutely stringless and of finest quality; medium early. Great improvement over Refugee or 1,000 to 1. Excellent home or market variety as a "snap." Unsurpassed for picking or canning. Second early.

Large pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $3.00

Market and Truck Gardeners should write us for special prices and state quality and kinds wanted. We'll save you money and you will get "Highest Quality" Seeds.
BEANS — Continued

WARDWELL’S KIDNEY WAX
A popular and well-known variety; pods long, golden-yellow, brittle and stringless; seed white, with dark markings about the eye. Market gardeners find this bean one of the most profitable.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

SURECROP STRINGLESS WAX
A prolific cropper, superlative quality, handsome yellow pods 6 to 7 inches in length, fleshy but almost round, very meaty and sweet, and perfectly stringless. Plant is free branching, but perfectly sturdy and upright. Valuable for its productiveness and disease-resistant qualities.

FREPENEL POD BLACK WAX
Early and Stringless
The dwarf, bushy plants produce in profusion; beautiful, long, straight yellow pods that are well rounded, deeply "saddle backed," very meaty and solid. Rich and mild in flavor and entirely stringless. Improvement over Prolific Black Wax.
Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

PENCIL POD BLACK WAX
A popular and well-known variety; pods long, golden-yellow, brittle and stringless; seed white, with dark markings about the eye. Market gardeners find this bean one of the most profitable.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

STRINGLESS WHITE WAX
An exceptionally fine, hardy, white-seeded, flat-podded wax bean of really choice quality, and most attractive appearance when cooked. The pods remain tender longer than those of any other variety, and the plants continue to bear for a long period. The pods are straight, of a bright lemon-yellow, brittle, meaty, and entirely stringless at all stages of growth. The seeds, being large and pure white, are most desirable as shell beans for both summer and winter use.
Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

NEW BRITTLE WAX
Extremely early and of such superb quality it might almost be called "Best of All." The plants are of vigorous growth with light foliage, and appear completely loaded with handsome pods, which are nearly straight. Long, round, fleshy, tender, "brittle" and entirely stringless at all stages of growth. The pods are unexcelled as snap beans. Seed almost white, showing only a small dark dot at the eye.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

DAVIS KIDNEY WAX
Hardy and productive. The pods are long, white, straight, good lookers, good shippers, clear, waxy white, straight, good lookers, good shippers, but only fair quality unless used young. Seeds white and make good dry beans. Brittle Wax is of higher quality.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

IMPROVED GOLDEN WAX
Medium early, heavy cropper, vine vigorous. May be sown early or late with the assurance of a good crop. Pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exceptionally rich, buttery flavor. Excellent for home or market garden.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

USE BUG DEATH
On bean plants to kill aphis and beetles. Also revives and aids production. Page 102.
Routledge Giant Pole Bean

Of Superb Quality — Entirely Stringless

If you have not grown this Bean, by all means do so this season. It is a quick grower, quite early and produces the MOST WONDERFUL LONG, PLUMP, MEATY PODS that are TENDER, BRITTLE and of DELICIOUS MILD FLAVOR when cooked.

This Bean of unknown origin is called by some Dickenson's Yount, Mother's Favorite, Oregon Giant, etc., and has been grown in a small way locally by those who have been fortunate enough to secure a few seeds.

We have improved the quality by careful selection and offer it as ROUTLEDGE GIANT. It produces an ENORMOUS LOT of GIANT PODS from early in the season until frost.

We have been trying for years to grow enough seed to supply all our customers. Last year we had enough—this year we are very short. Locally they keep green so late that the fall rains and frost spoil the seed.

The mammoth 10 to 12-inch pods of ROUTLEDGE GIANT picked in their prime are ENTIRELY STRINGLESS. The QUALITY IS SUPERB for canning or used fresh as a stringless "snap" bean. As a SALAD BEAN whole or sliced, and served with dressing it is DELICIOUS. The pale green pods are lightly pencilled with carmine which disappears when cooked. The illustration on this page is from a photograph and the beans are about one-third natural size. Order early. Our stock is limited again this year.

Large pkt. 20c; ½ lb. 35c; lb. 60c

NOTE. — You better order early this year. We run out of "Giant" beans most every year.

A Few Convincing Reports

Denmark, Ore.
Routledge Seed Co.
Dear Sirs: I won for two years first prize at the Myrtle Point Fair with your Routledge Giant Beans. I hope I will win a prize next year too.

Yours truly,
FRANCIS KREUTZER.

Philomath, Ore.
Routledge Seed & Floral Co.,
Dear Sirs: I am enclosing a small order for seed; have many left over from last year, as our garden is small. Your Routledge Giant Pole Bean is the best I ever ate. I like your seed best of all. Have bought seed of you for years; part of the time I was living in Portland.

Yours truly,
GEO. W. GARDNER.

Routledge Seed & Floral Co.,
Portland, Oregon.
Dear Sirs: Your Routledge Giant Pole Beans are sure the finest ever. They are very early and continue to yield until frost. I always grew them when I lived in Portland.

Yours truly,
MRS. J. L. CALDWELL,
415 E. I St.

Tacoma, Wash., May 10, 1927.
Routledge Seed & Floral Co.
Dear Sirs: We had some of the Routledge Giant Pole Beans last season and they were the best beans we had ever eaten.

Respectfully yours,
MRS. ROY I. FREDERICK.

Above pods about one-third natural size when full grown

FOR THE HOME GARDEN WHERE SPACE IS LIMITED POLE BEANS ARE MOST DESIRABLE AS THEY ARE MORE PRODUCTIVE AND REQUIRE LESS GROUND SPACE.
CLIMBING POLE BEANS — Continued

Although pole beans require a little more care and labor, they are, when properly grown, usually of longer bearing period than the dwarf sorts and are much more productive. Plant 6 to 8 beans in hills 3 feet apart. Use poles or heavy twine from overhead wires (hop-yard style).

All Bean Prices Postpaid. Special prices in large quantity. Write.

FREE GARDEN BOOK
“MAKING THE GARDEN PAY”
Worth $1.00 to any gardener, but you get it FREE ON REQUEST with an order of Vegetable Seeds amounting to $2.00 OR MORE. It contains 78 pages size 6 x 9, well illustrated and chuck full of vital information on planting, culture, harvesting and storing of all kinds of vegetables.

Improved Kentucky Wonder (Asparagus)
A very popular variety; often sold as asparagus. More extensively planted than any other. Pods green, very long, round and perfectly stringless. Enormously productive and early, remaining in “fit” condition a long time. Unsurpassed for the table, being very tender and of delicious flavor.

Routiedge Perfection White Seeded
It produces large, quick growing vines which soon cover the poles, bearing a very heavy crop of handsome green pods 8 inches in length which are very meaty, stringless and of delicious flavor. The vines produce their pods very early and continue to bear immense quantities of snap pods throughout the season. Excellent for canning. The dry beans being white and of good size when allowed to ripen on the vines, make it an excellent soup or bake bean for winter use. A re-selected strain of White Seeded Kentucky Wonder. (See illustration.)

Lazy Wife
One of the best of the late green podded pole beans for snap or green shell use. The medium green pods, borne in large clusters, are five to six inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor which is retained until they are nearly ripe. The seed is white, medium size, slightly oval or nearly round.

Horticultural Pole
Speckled Cranberry or Wren’s Egg.—Vines vigorous, quite early. Pods short, broad, green streaked with bright red. Beans are round, splashed and spotted with red. Of fine quality, either as a green shelled bean or dry for winter use.

Scarlet Runner
Grown extensively for ornamental purposes, as flowers are a most brilliant scarlet and borne profusely; beans are broad and flat, and of fine flavor when cooked, same as Lima beans.

Pkt., 1/2 lb., 1 lb. and 10 lb. prices are postpaid. Special quantity prices on request. Inoculate Bean Seeds with Humogerm (pg. 39) or treat with “Semisan”. See page 36.
**BEANS — Continued**

**Oregon Pole Lima**

Excellent for the Northwest. Strong, vigorous grower. In July the blooms come in long panicles from the top shoots and the large, broad pods are freely produced until frost. The large, plump, white beans are of delicious quality, green, shelled or dry. They are in "prime condition" when the pods begin to turn yellow. Oregon grown, acclimated seed.

*Prices:*
- Large pkt. 10c; 1/2 lb. 25c; lb. 40c; 10 lbs. $4.50

**DWARF OR BRUSH LIMA**

*BURPEE'S IMPROVED BUSH LIMA.*—Best of the Brush Lima type. Very large, broad pods. Excellent flavored beans, borne on large, vigorous plants. Extremely prolific. Pods contain from four to six very large beans of greenish white color.

*Prices:*
- Pkt. 10c; 1/2 lb. 20c; lb. 35c; 10 lbs. $3.00

**Commercial or Dry Table Beans**

The stocks we offer are of known varieties, acclimated and hand-picked and grown especially for seed—by far the safest, best and most profitable in the end.

**Improved Tree Bean**

Early, Wonderful, Productive

On account of its snowy whiteness and uniformly small size, it commands the highest price in all markets. The plants grow upright, have less foliage than most varieties and hold the pods well up from the ground, thus keeping the beans from getting dirty and discolored. The pods are very freely produced, are long and well filled. The dry bean is small, white, plump and almost round. Cooking and eating qualities are unsurpassed.

*Prices:* Large pkt. 10c; lb. 25c; 10 lbs. $2.00. Write for quantity prices.

**RED MEXICAN.**—An excellent dry bean for winter use. Used extensively for baking and Spanish dishes.

*Prices:* Large pkt. 10c; lb. 25c; 10 lbs. $2.00

**Castor Bean**

Used for medicinal purposes and by some claimed to keep moles away. Ornamental foliage, 4 ft.

*Price:* Large pkt. 25c; lb. $1.00

To insure the greatest success

**INOCULATE THIS SEED WITH HUMOGERM**

See page 39

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**Routledge Early Prize Pole Lima**

By careful selection we now offer a strain that is early enough to actually mature a full crop of dry beans in the early fall. The vines are vigorous and remarkably productive. The green shell beans are large, very tender and of finest quality. It has the rich, buttery flavor, always desired but seldom found.

*Prices:* Large pkt. 20c; 1/2 lb. 30c; lb. 50c

Ketchikan, Alaska, March 21, 1927.

Dear Sirs: I am enclosing an order for garden seeds and fertilizer. I am giving you my entire order this year; last year, I ordered some of the seed closer to home, but they did not do near so good. I missed your Wonderful Lettuce seed. I sure raise fine head lettuce from your lettuce seed and the prize peas can not be beat. We raised 100 Gladioli here last year and they sure did fine. The Lilies and Phlox arrived in fine condition.

Yours sincerely,

FRANK D. STEINER.

**BROWN SWEDISH.**—Dry beans, rather small, round, oblong, golden brown with a white eye. As a cooking or baking bean the quality is very superior, having a richness and flavor all its own. It is unusually productive, matures early. Pkt. 10c; lb. 25c; 10 lbs. $2.25

**BROAD WINDSOR.**—An English variety; large, broad, flat beans of delicious flavor; used as a shell bean. Good for hog pasture.

*Prices:* Large pkt. 10c; lb. 35c; 10 lbs. $3.00

**Improved Tree Beans**

All Bean Prices Postpaid. Write for low prices by the hundred lbs. For seed tables, quantity per acre, see inside back cover.
TABLE BEETS

Routledge Favorite
The best of all for home gardens.
A re-selected, improved strain of Crimson Globe. Perfectly globe shaped, with a single tap root, and of the richest color of any of the beets. It is medium early, tops are small and dark in color, a splendid keeper, remaining in prime condition a long time. The flesh is exceedingly tender, fine and sweet and is unequalled for table use. Home and market gardeners will find our Favorite very profitable, attractive and of highest quality.
Pkt. 10c; oz. 20c; 4 oz. 60c; lb. $2.00

Crosby's Egyptian
Popular variety for home gardens and market. Extremely early and reaches table size quickly. Tops dark green, beets very smooth, fine color, globe shape, slightly flattened. Flesh rich red, fine grained, sweet and tender. This variety will please you.
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

Detroit Dark Red
Excellent variety, nearly globular, dark skin and rich red flesh, maturing early and keeping crisp and tender for a long time. Very popular with market gardeners and canners.
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

Improved Early Blood Turnip
This is the ideal beet for market gardeners. It is very symmetrical, with small tap root and but few fibrous roots; color outside is deep blood-red; fine grained and unsurpassed in quality. It continues to grow until late in the fall, attaining a large size and making a good selling and table beet for winter.
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

Swiss Chard or Spinach Beet

Giant Lucullus.—The leaves of this vegetable are used for "greens" and prepared in the same manner as Spinach; sometimes, however, the mid-rib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which leaves may be cut all summer. New shoots continually spring up and make a fast growth, while those plants which are allowed to grow on without any cutting will make large curly leaves, with thick, light-colored mid-ribs, which are delicious when stripped, cooked and served like asparagus. You should not fail to plant at least one long row in your garden.
Pkt. 10c; oz. 20c; 4 oz. 46c; lb. $1.25

Brussels Sprouts
The plants, which are very hardy, grow two or three feet high, and produce, from the sides of the stalks, 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. Grow and set out same as cabbage or kale, 2½ to 3 feet apart.

Perfection or Dalkeith.—Plants are of dwarf growth and stems are thickly set with large, solid sprouts. This variety is very hardy and even during quite severe weather the plants maintain their sprouts; in fact, the flavor and quality is much improved by frost.
Pkt. 10c; oz. 30c; 4 oz. 45c; lb. $1.25

Chives.—See Vegetable Roots, page 35.
Stock Beets or Mangels

Excellent winter feed for horses, cattle, sheep, hogs and chickens. When fed in combination with grain they are worth almost as much, pound for pound, as the grain. This statement may seem absurd, but experience has proved that Mangels aid digestion and assimilation by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed, beside the nutrients the roots contain. Every farmer and poultryman should raise Mangels.

**Giant Yellow Eckendorf**
A new mangel of great merit. The roots are smooth, long and cylindrical in shape, very heavy, weighing up to 15 and 20 pounds each; grow two-thirds above ground. The flesh is firm, crisp and solid, white in color and of highest feeding value. Our most popular variety. Best imported seed. (See cut No. 3.)
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

**Giant Half Sugar Mangel**
Yields as much per acre as the best Mangels, and twice as much per acre (bulk or roots), as the rich sugar beet. Roots grow very large above the ground. Smooth, creamy white in color, and very nutritious. Easily pulled. Excellent sort. (See illustration No. 1.)
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

**Mammoth Long Red**
Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the ground; roots quite regular; attain a very large size. (Same shape as No. 2.)
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

**Danish Sludstrup**
An improved variety, considered one of the best. Awarded first class certificate. Color, reddish yellow, and of a distinct type. It is very hardy, grows well above ground; is easily pulled; very nutritious. (See cut No. 2.)
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

**Golden Tankard**
An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep-yellow, of fine shape, growing largely above ground, thus being easily harvested. (Same shape as cut No. 3.)
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

**SUGAR BEETS**

**FRENCH WHITE SUGAR.**—The sugar beet most generally grown; most popular variety as it produces a large crop and is rich in sugar value. The young beets are fine for table use.
Pkt. 5c; oz. 10c; 4 oz. 30c; lb. 85c

10c per lb. less; write for quantity prices.

**BROCCOLI—Winter Cauliflower**
Forms a head like cauliflower, but is much hardier; stands wet and cold better and gives excellent results. For fall use sow White French in March or April; St. Valentine in May or June, for late winter and early spring cutting. St. Valentine is very extensively planted by our local market gardeners for use in late winter and spring when cauliflower is out of season. Plant and cultivate same as cauliflower.

**ROUTLEDGE “H. Q.”**
*(Highest Quality)*

**ST. VALENTINE**

In this seed we are offering our customers a very select, high-grade strain of the well-known St. Valentine. By selecting only the most perfect heads, those showing the most desirable leaf formation for the protection of the developing head and those of large size and perfect, compact heads, free from small center-head leaflets, we have produced this superb strain. Our H. Q. St. Valentine produces larger, later and far better heads that are much superior to those produced from the average seed sold of this variety. Our "H. Q." seed will produce the highest per cent of perfect heads and bring the "top" price.

The H. Q. St. Valentine seed we are offering this year is from just such perfect heads as shown hereewith. It comes from the originators of this now famous variety.

H. Q., pkt. 15c; ½ oz. 50c; oz. $1.50; 4 oz. $5.25; lb. $20.00.

**White French Broccoli**
A select early strain, producing fine white heads of large size and excellent quality. Broccoli is hardier and easier to grow than cauliflower, and this variety comes into head and can be cut in the fall and winter, depending on earliness of planting.
Pkt. 10c; oz. 90c; 4 oz. $3.00; lb. $9.00

Hundreds of our customers praise "Marvel" Fertilizer and buy it every year. You try it; we are sure you will like it; also "H. Q." Sheep Manure; see pages 37-38.
EXTRA EARLY SNOWBALL

This is the very choicest, selected strain of the popular Dwarf type, and is remarkable for its extreme earliness and reliability in heading. Medium size heads of excellent quality.

Pkt. 10c; 1/4 oz. 60c; oz. $2.00

VEITCH'S AUTUMN GIANT.—A large, late variety, very hardy. The heads are well protected by the foliage, enabling it to resist unfavorable climatic conditions.

Pkt. 10c; 1/4 oz. 50c; oz. $1.00; 4 oz. $3.50

ALGIERS.—A very strong-growing late variety, with large leaves of a bluish cast. In cool locations and rich soil it produces very large, solid, white heads late in the fall.

Pkt. 10c; 1/4 oz. 35c; oz. $1.25; 4 oz. $4.00

CHICORY

LARGE ROOTED OR COFFEE.—Grown quite extensively for the large, thick roots, which are sliced, dried, roasted and ground as a substitute or adulteration for coffee.

Pkt. 10c; oz. 40c; 4 oz. $1.25

CHERVIL

CURLED.—An aromatic herb, resembling parsley, and used for flavoring in soups and salads. Fine for garnishing.

Pkt. 10c; oz. 30c; 4 oz. 1.00

OUR MOTTO is "Highest Quality" It's quality FIRST, then price as low as possible. The best seeds are the cheapest in the end, even though they cost a little more.

CRESS

CURLED OR PEPPER GRASS.—Used as a salad and fine for garnishing.

Pkt. 10c; oz. 20c; 4 oz. 40c

TRUE WATER.—This is quite distinct from the former and only thrives when its roots and stems are submerged in water and delicious for small salads.

Pkt. 10c; oz. 60c

COLLARDS

TRUE GEORGIA.—Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places.

Pkt. 10c; oz. 20c; 4 oz. 65c

CORN SALAD

Fetticus or Lamb's Lettuce.—This is a hardy winter salad, the small leaves being served like lettuce; does not succeed during warm weather, and the seed should be sown thinly in drills after August to supply fresh leaves during the late fall.

Pkt. 10c; oz. 30c

Free Premium Book

Our new crop book, "Making the Garden Pay," is worth a dollar to any gardener, but we give it free on request with any order for Vegetable Seed order of $2.00 or over.

It contains 78 pages, 6x9 inches, printed on good paper and well illustrated. It's a real garden guide covering planting, culture, harvesting and storing of all kinds of vegetables. For late and up-to-date books on all subjects, see page 105.

"SEMISAN".—According to "tests" it ought to pay to use "Semisan" on Cauliflower seed. See page 36.
SELECTED SWEET CORN — NORTHERN GROWN

All prices on Sweet Corn postpaid. Special quantity prices on request.

Routledge Selected
GOLDEN BANTAM

Flavor.—Without exception Golden Bantam Corn is the richest in flavor of all varieties; a sweet corn of which one will never tire. The first trial of this delicious Sweet Corn creates a desire for more. The most popular corn in the Northwest.

Earliness.—Golden Bantam Sweet Corn is only exceeded in earliness by our "Superb," but we like the quality better. It matures quickly and is suitable not only for early planting (on account of its hardiness), but a succession of sowings may be made which will give continuous supply until fall.

Color.—When picked at the proper stage of growth the kernels are a rich, creamy-yellow and unsurpassed in quality.

Growth.—Being dwarf in its growth, with stalks small in size, it can be planted quite close, and a large crop may be obtained on a small area. The ears are 8 to 10-rowed, and about 6 inches long — just the right size for the table.

Remember our selected strain is Northern grown, better flavored and truer than most seed offered.

There is no other yellow or golden sweet corn that can compare to our selected Golden Bantam. Try it and be convinced.

Price: Large pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $3.00.

PORTLEDGE SUPERB

We do not hesitate to recommend this new sweet corn to our customers. Its earliness, hardiness, size and quality make it of real merit to the Western planters. It is extremely early, almost two weeks ahead of Golden Bantam and one week ahead of Portland Market. The large ears are always well filled with 12 to 14 rows of large, plump, white, sweet grains, of handsome appearance and excellent quality.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00.

Portland Market

An Oregon introduction; an early, long, large eared sweet corn and very productive. Its large well-filled ears, together with its plump, sweet grains of glistening white, makes it a profitable market variety.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $2.50.

Early Evergreen

This fine variety is 10 to 12 days earlier than Stowell’s Evergreen and yields large, handsome, 10 to 12-rowed ears. An excellent variety to follow the first early kinds.

Large pkt. 10c; ½ lb. 30c; lb. 35c; 10 lbs. $3.00.

POP CORN

WHITE RICE.—Most popular and profitable kind; short ears, white, pointed kernels.

Large pkt. 10c; lb. 35c.

GOLDEN WEST

This variety is popular with those who prefer a larger, longer ear than the Golden Bantam. Very hardy and can be planted earlier than most sweet corn. Rich creamy yellow and of excellent quality.

Pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $3.00.

GOLDEN EVERGREEN

A cross between Golden Bantam and Stowell’s Evergreen. Large ears of deep rich golden yellow kernels, very tender and of delicious quality. Excellent for a main crop to follow the first earlies. Western grown acclimated stock.

Pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $3.00.

Stowell’s Evergreen

A good main crop or late sort. Remains longer in green state than any other. Very large ears, with deep grains, and remarkably sweet.

Large pkt. 10c; ¼ lb. 20c; lb. 35c; 10 lbs. $2.75.


Gentlemen: Routledge seeds supply us with wonderful crops here on the Coast.

Very truly yours,

MRS. EARL JOHNSTON.
"Highest Quality" CABBAGE True and Pure

Our Cabbage Seeds come from the world's best growers—pure, true strains, of highest quality. One ounce will produce over 3,000 plants. One-quarter pound of seed will produce plants sufficient for one acre, therefore, don't practice false economy by buying cheap, low-quality seed.

Early Jersey Wakefield

The earliest and hardiest heading of first early cabbages. Its exceeding hardiness not only to resist cold, but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Our stock is grown and selected with the greatest care; there is none better. Head conical, very compact, solid and of excellent quality.

Pkt. 10c; oz. 35c; 4 oz. $1.00; lb. $3.00

Oregon Wakefield

A large strain of Jersey Wakefield; heads nearly double in size, not so pointed. Excellent quality; second early.

Pkt. 10c; oz. 30c; 4 oz. $1.00; lb. $3.00

Routledge Seed & Floral Co.

Gentlemen: Am writing to let you know we have always been satisfied with your seeds. Always get good results. Am sending an order with this letter.

Very truly,

EDITH BLEDSOE.

Banks, Ore., May 11, 1927.

Routledge Seed & Floral Co.

Gentlemen: Am writing to let you know we have always been satisfied with your seeds. Always get good results. Am sending an order with this letter.

Very truly,

EDITH BLEDSOE.

GOLDEN ACRE

This new and extra early variety from Denmark is said to be distinctly superior to any early, round-headed cabbage. It has qualities so valuable and important that, not since the advent of the "Jersey Wakefield" has a greater or more important Early Cabbage been offered.

It is the earliest cabbage in existence—7 days ahead of Jersey Wakefield. Heads begin to form when the leaves are no larger than a saucer and its rapid growth may be observed almost from day to day. It is perfectly round; average weight, 4 lbs. The heads mature all at the same time—so fixed is the type, and one head is just like the other, both as to size and shape.

The plants can be set very close, as there are only about 12 leaves and these are very short. The stalk is less than two inches high, so the plant is distinctly dwarf.

THE GOLDEN AGE is sweeter in flavor and is cooked in less time than any other cabbage.

Pkt. 15c; oz. 75c; 4 oz. $2.25; lb. $7.00

Copenhagen Market

The earliest LARGE round-headed cabbage yet introduced. Sure to head and every head perfect. The plant is of vigorous habit but compact, with short stem and few outer leaves. The heads are round, very solid and of exceptionally good quality. Its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combine to make Copenhagen Market one of our most valuable varieties. We recommend it.

Pkt. 10c; oz. 35c; 4 oz. $1.25; lb. $3.75

CABBAGE PLANTS.—During planting season we aim to have on hand large quantities of Cabbage and Vegetable Plants. (See page 35.)
CABBAGE — Continued — Late Varieties

**Premium Late Flat Dutch**
A low growing variety; heads large, bluish-green; round, solid, broad and flat on top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads, and we consider it superior to any other strain of Flat Dutch cabbage on the market.
Pkt. 10c; oz. 35c; 4 oz. 90c; lb. $3.25.

**Perfection Drumhead**
Savoy Cabbage
A variety that is much prized by those who are familiar with it; of exceptionally fine flavor, more tender and sweeter. Heads large size and quite compact, with densely and uniformly crimped or savory leaves.
Pkt. 10c; oz. 35c; 4 oz. $1.00; lb. $3.50.

**Mammoth Rock Red**
Best hard-headed, red variety; large heads, globular, and very deep red on top. Very tender and excellent quality, fine for cold salads on account of its attractive color.
Pkt. 10c; oz. 35c; 4 oz. $1.00.

**Danish Round Head**
An earlier short-stemmed strain of the famous Danish Ball Head
Large and very solid round head on short stems, having the same keeping quality as the original strain of Danish Ball Head, so widely known. It is 10 days to 2 weeks earlier and is a wonderful yielder. It is especially valuable for high, dry land, producing good sized heads where other strains would be too small. For shipping in the late fall or winter there is no finer cabbage. Our seed of Danish Round Head comes direct from the originator in Denmark and is of the Highest Quality.
Pkt. 10c; oz. 40c; 4 oz. $1.25; lb. $4.00

**Danish Ball Head—True, Highest Quality Seed**
Most remarkable late cabbage yet produced, heads hard and solid—fine grained and tender. Entirely distinct. Exceedingly hardy in resisting cold and wet weather. We offer true, pure seed of the very finest medium tall or "middle-stem" type. Famous for its hard-heading qualities, which at once recommends it as highly valuable for shipping. The magnificent heads are round in form and keep in excellent condition during winter, coming out in the spring perfectly solid.
Pkt. 10c; oz. 40c; 4 oz. $1.25; lb. $4.00

**WONG BOK**
Chinese Cabbage
This Chinese Cabbage is becoming more popular each year. While it has been cultivated in China for years, it is comparatively unknown in many markets. Last season there was more than usual displayed on our "Public Market." Wong Bok produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Delicious sliced as cold-slaw. Boiled or steamed it makes delightful greens, more sprouts. Don't plant too early, grow it as a fall vegetable.
Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool, moist weather. Will last until freezing weather.
Pkt. 10c; oz. 40c; 4 oz. $1.35

**DO YOU SEND EAST for your Seeds? It's bad policy. Spend your money on this Coast. Here's where you sell your products. Our Seeds are highest quality and prices reasonable.**
CARROTS

EOUTLEDGE COEELESS

The finest early table variety grown. Handsome, meltingly tender and sweet. This new carrot is our own strain, grown from the French carrot, Nantes. You will be delighted with the melting tenderness and sweet, mild flavor of Routledge Coreless. It is a half-long cylindrical carrot, blunt pointed, with a small tap root and small top. They run very uniform in shape and grow just the right size for table use. The flesh is of fine texture, entirely devoid of stringiness, coarseness and woody heart; color orangescarlet, very attractive, delicious and sweet flavored when cooked.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $1.50

Early Scarlet Horn

A very fine extra early table carrot and is an excellent summer or fall sort. Tops small, roots grow about 3 inches long and of a deep rich orange, fine grained, good flavor.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

Chantenay or Model

The Market Gardener’s Favorite. Tops medium sized, necks small, top of root quite thick and tapering to a uniform stump root, smooth; color deep orange-red; flesh very crisp and tender; medium early; a heavy cropper; 5 to 6 inches long.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25


Gentlemen: Enclosed you will find order for Seeds, with amount of cash requisite. I wish to say the packet of sample Coreless Carrot Seeds, which you sent me last year was tried with good results; am sending for a packet this year. Have told a number of people about them. They are indeed very sweet and just as advertised.

Yours truly,

MRS. W. L. GARDNER.

Carrot Seed, 3 to 5 lb. lots, 10c per lb. less.
CARROTS — Continued

Routledge Mammoth Stock Carrot

The heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is yellowish-white, crisp and solid, and very sweet in flavor. It is a vast improvement on the Belgian sorts, which have been favorites in the past, as it is not only much more productive, but vastly easier to handle. The roots are short and very heavy at the shoulder, rendering them easily harvested. Too much can scarcely be said of their size and great productiveness. Every farmer should grow a good supply of carrots for winter feed and Routledge Mammoth is the kind to plant. Yields reported from 20 to 50 tons per acre.

Large pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25; 2 lbs. enough for one acre. $2.00.


Routledge Seed & Floral Co.

Gentlemen: The garden and flower seeds we received from you did wonders in the way of production.

Yours truly,
MRS. C. E. WAKE.

CELERIAC

Turnip Rooted Celery.—The roots, which are the edible portion, keep well for winter use and are excellent for soups and stews. They are also cooked and sliced as a salad. Sow seed at the same season and give the same treatment as any root crop.

LARGE ERFURT.—An improved form, producing large, smooth roots, which are nearly round.

Pkt. 10c; oz. 25c; 4 oz. 75c

PARIS, GOLDEN SELF-BLANCHING

The finest strain of French grown seed. This splendid variety is without doubt the most popular celery grown. It is a self-blanching sort, for with a little banking or covering, even the outer ribs assume a beautiful golden-yellow, while the heart or vine stalks are deliciously tender, brittle and sweet. This variety is doing very extensively grown on account of its ease of cultivation and superior quality. It is not quite so early as the White Plume.

Select quality: Pkt. 15c; ¼ oz. 35c; oz. $1.10; 4 oz. $1.75; lb. $12.00.

Golden Yellow Self-Blanching

Same variety of celery as above, but is American grown. It is equal to most seeds offered, but not as true, dependable or of such high quality as the French grown stock.

Pkt. 10c; oz. 80c; 4 oz. $2.25; lb. $8.00

For complete seed and plant tables, amount to plant, etc., see complete reference tables inside back cover. Always refer to “Index,” pages 2 and 3, for anything wanted.
USE "MARVEL"—So many of our customers tell us of the wonderful results, the increased yield and quick growth obtained by using our Odorless "Marvel" Fertilizer that we again call YOUR attention to it. Remember you can get it by parcel post. See page 37.

EGGPLANT

Sliced and fried takes the place of meat. Culture same as for tomatoes.

BLACK BEAUTY.—The earliest and best variety for Oregon. Oval shaped, deep-purple, large size and fine flavor.

Pkt. 10c; ½ oz. 40c; oz. 75c; 4 oz. $2.25

ENDIVE

This plant furnishes an attractive and appetizing salad for the fall and winter months.

BROAD LEAVED BATAVIAN.—Leaves are broad, thick, green, more or less twisted and waved with white mid-ribs. Crisp, tender and fine flavor.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

GREEN CURLED.—Leaves beautifully curled, dark-green, tender and crisp.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

WHITE CURLED.—Very tender and light green, blanches easily, very ornamental.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Boston Pickling

A distinct variety, very popular for pickles; color bright green, a great producer and of excellent quality. It is for producing medium-sized pickles that this variety is so highly esteemed.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.35

Lemon Cucumber

New. Highly recommended by all who have tried it for slicing and salads. Reminisces a lemon both in size, form and color. Has a distinctive and delicious flavor superior to any found in any other cucumber. A variety of real merit—try it.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $2.00

Shelton, Wash.

Dear Sirs: If I could only have one hill of Cucumbers it would be Lemon Cucumbers. They are delicious.

MRS. FRANK TEMPLETON.

Richvale, Calif., April 14, 1927.

Gentlemen: The sample package of Lemon Cucumber Seed you sent last year did fine.

C. W. CARLSON.

Routledge Highest Quality Cucumber

A quick grower and always commands "fancy prices" on account of its fine form and superb quality. Very productive.

It is the earliest white spine cucumber suitable for table, market or shipping purposes, under all conditions of culture, whether under glass or in the open ground.

Color a very deep green, which it retains during a long period, while in symmetry of form it is so regular, so uniform, as to create comment wherever seen.

The quality is unsurpassed, being exceedingly brittle and crisp. The flavor is delicate and entirely devoid of the bitter taste so frequently noticed in other varieties.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $2.00

Arlington White Spine

One of the best sorts for table use. Vines vigorous, fruiting early and abundantly. Fruit uniformly straight, light, bright green in color, with a few white spines. Flesh crisp, tender and of excellent quality.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.35

Improved Long Green

The leading large variety. Fruit from 10 to 12 inches long, dark-green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.35

Davis' Perfect

As now selected, the long, even fruits are of fine form, with an intensely dark rich green skin. The solid white flesh is of superb quality for slicing. So handsome and regular are the fruits, even when grown outside, that they bring an extra price on the market, often being taken for "hot-house grown."

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.35

Gherkin for Pickling

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

Pkt. 10c; oz. 25c; ¾ lb. 75c

Japanese Climbing

A vigorous grower, can be trained on a trellis or the garden fence, thereby saving ground space. Fruit from 12 to 16 inches long, dark-green and smooth. Flesh pure white, crisp and tender.

Pkt. 10c; oz. 25c; 4 oz. 50c; lb. $1.50

Boston Pickling

A distinct variety, very popular for pickles; color bright green, a great producer and of excellent quality. It is for producing medium-sized pickles that this variety is so highly esteemed.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.35

A distinct variety, very popular for pickles; color bright green, a great producer and of excellent quality. It is for producing medium-sized pickles that this variety is so highly esteemed.

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Pkt. 10c; oz. 25c; 4 oz. 50c; lb. $1.50

USE BUG DEATH FOR CUCUMBER BUGS

CAREFULLY GROWN

RE-SELECTED STOCK
KALE, OR BORECOLE

This is a popular boiling-green resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. With the tall varieties it is customary to pull off the lower leaves and let the plant grow on to furnish a continuous supply. The sweetness and flavor of these greens are improved by frost or light freeze.

Dwarf Green Curled
Long plume-like leaves with edges finely cut, tender and of fine flavor.
Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.50

Tall Green Curled
Grows about 2 feet high; leaves dark-green; curled and wrinkled; very hardy.
Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Emerald Isle
A very handsome variety of medium height, leaves attractive, closely curled and of fine flavor. The finest garden variety we have; very productive.
Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.75

COW KALE or THOUSAND HEADED.
Pkt. 5c; oz. 15c. See Field Seeds, page 44.

KOHL-RABI

A delicious vegetable. In growth this is half way between cabbage and turnip; the edible portion is the large bulb which forms on the stem above the soil. By making successive sowings, tender bulbs may be had throughout the summer and fall, and are highly esteemed for their mild, delicate, cabbage-like flavor. Slice and boil, discarding the hard lower part of bulb. Sow in drills or raise and transplant like cabbage, 6 to 10 inches apart.

EARLY WHITE. VIENNA.
Extremely early, medium size, excellent quality.
Pkt. 10c; oz. 25c; 4 oz. 85c; lb. $2.50

GARLIC

Separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull up the bulbs and dry in the shade.
Per lb. 60c, postpaid
Write for quantity price. Requires about 250 lbs. sets per acre.

"Marvel Q. A." Odorless Fertilizer

Use a teaspoonful of "Q. A." around each large plant, and you will have the best vegetables you ever raised. It's the richest, greatest fertilizer ever prepared for vegetable and flower gardens. It's pure fertilizer, 100 per cent soluble. No filler. Cheapest fertilizer to buy and it's odorless. See page 37.

College Place, Wash., June 28, 1927
Routledge Seed & Floral Co., Portland, Oregon.
Gentlemen: Am glad to report that I find R. R. Wonderful Lettuce Seed to be very good and hope you will always be able to supply the same high quality.
Yours very truly,
E. E. BEAIL.

LEEK

A species of onion which does not form a bulb, but is used for its mild and delicious root, stem or neck.

American Flag
Mild and sweet; long, large stems; hardy and of the finest quality. A favorite variety.
Pkt. 10c; oz. 30c; 4 oz. 75c

MUSHROOM SPAWN

LAMBERT'S PURE CULTURE SPAWN
Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees F., and that the moisture be properly regulated. Lambert's Pure Culture Spawn is far superior to the old-style varieties, and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from 10 inches to a foot apart. Bricks weigh from 18 to 20 ounces. A brick will spawn 10 square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms.
DIRECT SPAWN.—Latest and best. Mammoth White, Cream White or Bohemian Brown.
Price, per brick, not prepaid, 35c; 10 bricks, $3.00; add postage at rate of 1/2 lbs. per brick.
Write for quantity price.
MUSHROOM CULTURE.—We have instructive leaflets on Mushroom Culture. Free with an order of one or more bricks.

MUSTARD

The leaves of mustard make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves.

Southern Giant Curled
Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges; hardy, vigorous, highly recommended.
Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

Ostrich Plume
Leaves dark-green, beautifully curled and plume-like. Very vigorous and productive, stands well. Of distinctive flavor, superior to spinach for greens and excellent for salad.
Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.00
WHITE ENGLISH.—Light-green variety; tender leaves; seed light-yellow.
Pkt. 10c; oz. 15c; 4 oz. 40c; lb. $1.00

For HORSERADISH, RHUBARB AND ASPARAGUS ROOTS, Etc., see page 98.
LETTUCE

LETTUCE "SNAROL" THE SLUGS
See page 103.

Grand Rapids
Very popular with private gardeners and as a lettuce for greenhouse forcing. It will stand shipping better than most curled sorts. 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 bright-green leaves, finely crimped and ruffled; rather thin, good flavor, crisp and tender.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. $1.75

Early Prize Head
A large, clustering, non-heading lettuce, excellent for the home garden and undoubtedly the most easily grown variety in cultivation. Leaves finely curved and crumpled, bright green tinged with brownish-red, very crisp, tender and sweet.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. $1.75

Big Boston Improvement
Plants grow large, very hardy and vigorous, leaves broad, comparatively smooth, wavy at edges, thin, very firm and crisp; color bright light-green, slightly tinged with reddish brown. Grown extensively in the South for shipment North in the winter. It usually head up under cold weather conditions better than any other variety.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. $1.75

Simpson's Early Curled
A very extensively used early loose-leaved, or clustering variety. Leaves light green, slightly frilled, crisp, sweet and tender.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. $1.75

Lowell, Wash., Feb. 21, 1927.

Gentlemen: I received a package of R. R.'s Wonderful Head Lettuce as a trial last year with my order to you, and it was wonderful, too. Am planting it for head lettuce this year.

MRS. WM. J. THOMAS.
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

LETTUCE — Continued


R. R.'s Tender Crisp

A distinct and extra choice variety for those who like curly, crisp, tender Lettuce of the finest quality.

Grows to a large size, makes most desirable heads of pleasing appearance, and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. While especially adapted for midsummer, it is most desirable also for spring and fall. The plants are of quick, strong growth; the leaves are of a soft, bright-green, growing closely around the heads, which become quite solid. The heart blanches to a beautiful silvery white, tender yet mild flavored and unsurpassed.

Pkt. 10c; oz. 30c; 4 oz. 75c; lb. $2.50.

Early May King

The plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of 6 to 7 inches with the broad, light-green outer leaves folding closely about the round, solid head. The inner leaves (practically the entire head), are blanched to a rich golden yellow and have a specially fine, rich, buttery flavor. Excellent shipper.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. $1.75

WAY-A-HEAD EXTRA EARLY

Both in cold frames and in the open ground it has proved to be not only the earliest and one of the surest heading of all early lettuce, but also of the very finest quality. The tightly folded heads are of good size and handsome appearance. The outer leaves are a light green with the inner head finely blanched to a rich buttery yellow.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. $1.75

CHICKEN LETTUCE

(For Poultry and Rabbits)

A recent introduction. You have doubtless often read in the Poultry Journals that lettuce was an excellent feed for chickens. It is just the "greens" which they require to keep in the best of health. Chicken Lettuce, you will find, is a feed that yields as much or more than other green feeds. It is economical to grow this sort, for when once cut it starts again and again; or the leaves can be pulled off each stem like the Jersey Cow Kale. The yield is extremely heavy.

Chicken Lettuce does not make a head, but sends up a stout stalk three to four feet high just loaded with leaves. The best of green feed on account of its unusual food properties. For large size do not crowd it. Transplant from the crowded rows.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $1.75

"SNAROL"—Keep the slugs away from your lettuce and other plants by using "SNAROL"—GUARANTEED. See page 103.
MUSKMELON

Grow a few hills of our delicious Muskmelons in some warm, sheltered location. They do much better here than most gardeners think they do.

POLLOCK 10-25

A melon of rather recent introduction. Now considered by many growers to be the finest commercial variety. Very productive, melons of even size, beautifully netted. Very small seed cavity with thick, luscious flesh of a genuine salmon tint, shading to green near the rind. A splendid keeper and shipper.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Netted Rock or Rocky Ford

An old favorite and one of the Most Popular and Best Sellers among the Rocky Ford Melons.

The fruit of Netted Rock is oval and completely covered with a beautiful lace-like netting. The flesh very thick; light green, very sweet and delicate and of superb flavor. The fruit is wonderfully uniform in shape and quality; medium in size, a great favorite.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Extra Early Hackensack

A great favorite among home growers 10 days earlier and a great improvement over the old Hackensack formerly sold. Of fine, large form, heavily ribbed and netted. Flesh is a beautiful light green, thick, sweet, and of finest flavor. A delicious variety. Good for this locality.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Hoodoo

Produces an abundant crop of most delicious melons of convenient size for the table use. Skin thickly netted, flesh rich, deep orange, meaty, fine grained and sweet.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $2.00

Delicious Gold Lined

Growers for home and for market will be delighted with "Delicious Gold Lined," both on account of its desirable size and unsurpassed quality. An improvement over Rockyford, melons more uniform as to size and shape, nearly round, thickly covered with grayish netting. The flesh is light green, with a beautiful light golden tint next to the seed cavity. The flavor is delicious, being remarkably sweet and juicy. Vines are productive and melons mature early. Unequaled in type, beauty fruit and of superior quality. Excellent shipper.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.75

Burrell's Gem

Select Strain.—A medium-sized oval variety, well ribbed and covered with a fine grayish netting and having reddish-orange flesh of fine, spicy flavor, sweet and delicious, distinct flavor. There is a growing demand here for this fine-grained, smooth, salmon, red-fleshed Muskmelon. A good local variety.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

Golden Beauty Cassaba

Fall and Winter Muskmelons

Skin wrinkled, flesh thick, excellent flavor and fine aroma. When nearly ripe pick and store away in a cool, dark place until the rind becomes slightly softened and moist. Melons will actually keep until February.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. $2.00

If you will DUST ALL THE VEGETABLE VINES with “NIAGARA” or “Bug Death” you will keep insects and blight away and INCREASE YOUR YIELD. See page 102-103.
WATERMELONS

ROUTLEDGE’S OREGON PRIZE
An Extra Early Variety

We offer this Melon with the assurance that it is not only remarkably early, but as sweet, delicate and melting in flavor as any variety grown. The flesh is of a deep scarlet. It will ripen in altitudes where it has not been thought possible to mature a good watermelon. If you have been under the impression that you could not grow watermelons in your garden on account of a short season or cool nights, try our Oregon Prize. Give them a warm, sunny sheltered nook and rich, warm soil and you may be delightfully surprised.

Pkt. 10c; oz. 25c; 1/4 lb. 60c; lb. $2.00

HALBERT HONEY

An early maturing variety suited to the Northern states; vigorous and very productive. Melons 18 to 20 inches long, full and round at both ends. Skin dark glossy green, flesh beautiful crimson, tender, sweet and delicious. In a good melon district this is a wonderful cropper.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.25

ICE CREAM—Black Seeded

An excellent melon that has become very popular here. Round in shape with a thin ivory colored skin. Flesh pink, sweet and of fine flavor and quality. Very early and a good producer.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

ONION

Oregon Yellow Danvers

This variety is very extensively planted in the Northwest, particularly in Oregon.

The largest crops of onions and the best keepers, bringing the highest prices on the Pacific Coast and Middle Western markets, are the Oregon Yellow Danvers. The bulbs are uniformly large, a full three-quarters globe shape, with small necks. It matures quite early, is the largest in size, most perfect in shape, the largest cropper and one of the best keepers, and as a market or table onion cannot be excelled. Our seed is grown especially for us and is unsurpassed. No onion grower can afford to plant anything inferior when such seeds can be obtained at the following prices:

Pkt. 10c; oz. 25c; 4 oz. 75c; lb. $2.50.

ONION GROWERS cannot afford to plant without “SEMISAN” to kill diseases, increase germination and insure LARGE CROPS of clean, perfect onions. Semisan leaflet A2129 proves it. (See page 36.)
ONION — Continued

RIVERSIDE SWEET SPANISH

On account of the increasing demand and popularity of this onion, we now offer our customers seed from the best strain. Riverside Sweet Spanish is a distinct type and of a very superior quality and flavor. The flesh is unusually mild, pure white and sweet but still retains the genuine onion flavor. They make handsome looking onions and are quick sellers, bringing repeat orders. The onions will weigh from up to 3 lbs. each if given good soil cultivation and ample room. The size can be easily regulated by the space between the onions. For the largest size they should be thinned to 6 to 7 inches apart.

Planted early and thoroughly cured, this variety is a wonderful keeper. An ideal globe-shaped onion with a light yellow skin showing a little brown.

Pkt. 15c; oz. 60c; 4 oz. $2.00; lb. $6.00

Large Red Wethersfield

The standard variety of the red onions. Of large size and rather flat, a heavy yielder, and one of the best for keeping. A good shipper. Flesh white and fine-grained. Skin a deep purplish-red, smooth and glossy. This onion will produce a better crop on poor or upland soil than most varieties.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $2.25

Prize Taker

This onion has become a great favorite on account of its large size and great solidity. It is perfectly globe-shaped, with straw-colored skin; the necks are very small and the onions always ripen up hard. An excellent keeper, exceedingly fine, mild flavor and a very popular and profitable variety. (See cut.)

Pkt. 10c; oz. 25c; 4 oz. 80c; lb. $2.25

Australian Brown

An extra early, sure cropping variety, with long keeping qualities. A sweet, mild flavored onion, with crisp, white flesh, covered with a bright reddish-brown skin. Largely used for growing onion sets and equally good for market purposes.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. $2.00

Southport White Globe

An enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin and considered one of the handsomest varieties grown. Planted extensively by gardeners for both dry use and green onions. Mild and sweet. The best white onion.

Pkt. 10c; oz. 35c; 4 oz. $1.00; lb. $3.00

White Portugal or Silverskin

The finest flavored of all the white-skinned onions. Quite early, half-globe shaped, a fine cropper; very firm and an excellent keeper. Excellent for bunching green, or for pickling. If grown close go as to hold the size down. A good all-around sort.

Pkt. 10c; oz. 35c; 4 oz. $1.00; lb. $3.00

Treat Your Onion Seed WITH "SEMISAN"

Means Dollars to You — See Page 36 and Ask for Special Leaflet

ONION SETS

NOTE. — Onion sets subject to market changes; write for quantity price.

BOTTOM ONION SETS. — These small onions are grown from seed that have been sown too thick to attain a large size. The small onions (about 1-inch in diameter), thus obtained are planted out and are ready in a short time to pull as green onions for the table.

Per lb. 25c; 5 lbs. $1.00, prepaid. Write for quantity prices.

TOP SETS. lb. 40c; not postpaid, 30c.

SHALLOTS.— Valuable for bunching or for an early crop. Each bulb makes from 3 to 5 green onions. Per lb. 25c; 4 lbs. $1.25; prepaid

OKRA

IMPROVED DWARF GREEN.— Very productive; long, slender green pods.

Pkt. 10c; oz. 20c; 4 oz. 35c; lb. $1.00

"H. Q." AND "MARVEL" FERTILIZERS, MIXED ABOUT 25 LBS. OF "MARVEL" AND LBS. "H. Q." WILL GIVE ONION GROWERS GREAT RESULTS. SEE PAGES 37-38.
Highest Quality POTATOES True and Pure

We offer a few varieties of special merit that we recommend. We think it is folly to plant ordinary or common stock. Many gardeners insist on the best vegetable seeds, but plant any old kind of potatoes. Get a start of some of our select seed stock and you will be more than pleased with the results.

WRITE WHEN READY TO BUY AND STATE QUANTITY WANTED.

“EARLIEST OF ALL”
Its quick growth and early maturity combined with its excellent cooking qualities, makes it very valuable. Summer drought does not affect it, for its growth is complete before it can be injured. Plant early to obtain large size. Ready for the table nine weeks from planting, and fully matured in twelve weeks.

“Earliest of All” is a healthy, vigorous grower, does not make a second growth. Keeps as well as any late potato. A handsome, shallow-eyed, round, flattened, white-skinned potato of the finest quality. Price: 5 lbs. 60c; 10 lbs. $1.00; postage extra.

EARLY ROSE
It’s hard to beat the Early Rose if the stock is clean and pure. We offer the best hand selected stock obtainable. Prices: 5 lbs. 50c; 10 lbs. 85c; postage extra.

IMPROVED BURBANK
The standard and most popular commercial variety. We offer improved re-selected, healthy stock, grown especially for seed purposes.

Prices: 5 lbs. 50c; 10 lbs. 85c; postage extra. Quantity price on request.

NETTED GEM
Also known as “Russet Burbank,” “Yakima Gem,” etc. A splendid main-crop variety, with a russet or netted skin; flesh white, excellent quality, shallow eyes. We offer healthy, heavy producing stock.

Price: 5 lbs. 50c; 10 lbs. 85c; postage extra. Quantity price on request.

PARSNIP
While highly appreciated for the table, the great value of the parsnip for stock feeding is but little known. The roots are very rich in saccharine food, adding to the richness of the milk when freshly dug and fed to cows.

GUERNSEY
The roots are medium long, with a broad shoulder, gradually tapering downward. The white skin is smooth and attractive. Guernsey is considered the best and most productive of the long parsnips. The fine-grained, tender, and sweet flesh makes it essentially a table variety, but it is also grown for stock-feeding on account of the immense yield.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.25, postpaid

HOLLOW CROWN
Well known popular variety, with long, tapering roots, very smooth and of the finest quality. Derives its name from a depression at top of crown or root; very fine table sort.

Pkt. 10c; oz. 20c; 4 oz. 35c; lb. $1.00

Hollow Crown Parsnips

MARVEL Q. A.—A profitable fertilizer for increasing the potato crop; of highest quality, reasonable in price. See page 37.
"Highest Quality" GARDEN PEAS Hand Picked

There is a vast difference in "strains" of garden peas. You will find our stock "very superior," healthy, vigorous and true, much better than the average seed sold by wholesale seed dealers and jobbers. Plant our stock if you want "Highest Quality."

All Pea prices are postpaid. Special prices in quantity on request. Write.

Alaska
An extra early, exceedingly hardy pea. Pods of perfect shape, well filled with smooth peas of good quality. Height 2½ feet. Can safely be planted very early.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

American Wonder
Well known and very popular; extra early, productive and good flavor; vines grow 10 inches high.
Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

Little Marvel
Popular variety, suited to small home gardens. It matures very early. Vines 15 inches high; pods dark-green, medium size, and are closely filled with peas of extra fine flavor.
Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

Duke's Delight
Umatilla, Ore., June 5, 1927.
Dear Sirs: We picked a wonderful crop on Duke's Delight Peas, planted in March, and am trying a later planting. Most successful variety of peas I have ever tried in this country.
Yours truly,
MRS. MINNIE McFARLAND.

Duke's Delight
A very dwarf, extra early, delicious pea of great merit. Our own Introduction. Each year increases its popularity. It's by far the largest selling Early Pea we have.
Our regular customers are now demanding it in preference to all the other early dwarf old standard sorts.
Duke's Delight easily outclasses the old popular kinds in productiveness, size and fullness of pods, and the delicious flavor and quality of the green peas. The sturdy, stocky, healthy vines grow about 12 to 14 inches high. Every grower praises it. Read reports below; we receive many like them.
Large pkt. 15c; ½ lb. 25c; lb. 45c; 10 lbs. $4.00; 20 lbs. $7.00

Every Grower Praises Duke's Delight. Read the Following
Bay Center, Wash., Feb. 2, 1927.
Dear Sirs: Your Duke's Delight Peas, which we have planted now for several years, we think are the best Peas we have ever used and they are early too.
MRS. H. H. CHARAWELL.

Yakima, Wash., March 27, 1927.
We always planted your seeds when we lived in old Oregon and also had good luck with Duke's Delight Peas in Grandview, Wash. I am telling my neighbors about them so you will hear from us again later on.
MRS. S. G. LONG.

Toledo, Ore., Feb. 20, 1927.
Gentlemen: I have tried many varieties of garden Peas purchased from many seed companies, but I have never seen a main crop pea that could come anywhere near being as good as Routledge Prize.
MRS. OLIVE STEWART.

Get the true "Duke's Delight" by ordering direct from us. Take no substitute.

Be sure you read about inoculating pea seed. It increases the yield and improves the soil. (See page 39.) They also claim wonders for crop seeds treated with "Semisan," page 36.
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

Highest Quality Garden Peas — Continued

Market Gardeners who buy Peas in quantity should write us for prices, stating variety and amount wanted.

All Pea Prices Postpaid unless otherwise stated. Read top paragraph inside front cover.

R. R.'s Prosperity

The Earliest Large Potted, Sweet Garden Pea to date. It is hardy, can be planted very early. Vigorous and robust grower; height 3½ to 4 feet; only a few days later than the earliest dwarf sorts.

The pods are very large, and are invariably well filled with from 8 to 10 sweet, large, tender peas of delicious flavor and quality.

The peas remain tender and sweet for some time after they are large enough to use. Its heavy yield and excellent quality makes it a most profitable market variety.

Large pkt. 15c; ½ lb. 20c; lb. 40c; 10 lbs. $3.50

Laxtonia

Unsurpassed among the “first early” large potted peas, of superb quality. The dwarf sturdy stocky vines average 15 inches in height and yield an enormous crop of large, dark-green pods that average 4½ inches long and are tightly packed with large, deep-green peas of most delicious flavor and quality. We know you will like Laxtonia.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

DWARF TELEPHONE—DAISY

A splendid mid-season variety, growing only about 18 inches in height; vines very stout and bear a good crop of large, well-filled, bright-green pods. The pods average 5 inches in length, containing 7 to 9 large peas which are tender and sweet. A popular sort.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

BURPEE'S BLUE BANTAM

A very popular, dwarf variety, combining extreme earliness, superb quality and unusual productiveness. Average height of vines 15 to 18 inches. The pointed pods measure about 4 inches in length, and are well filled with large deep bluish green peas of fine flavor.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.25

Routledge Prize Peas

Tacoma, Wash., Feb. 12, 1927.
Routledge Seed & Floral Co.,
Portland, Oregon.

Dear Sirs: I have bought seeds from you for two years and think your seeds can not be beat, especially your Routledge Prize Peas. Two summers ago I grew them in my garden that measured seven feet and were full of the largest pods I ever saw.

Yours truly,
MRS. H. C. EMBLY,
1004 S. 60th St.

See Next Page

Gradus

Extra early. This popular large-podded, wrinkled pea of finest quality matures pods only two or three days later than the small-podded extra earlies. Vines four feet high. It produces uniformly large, long pods, nearly round, and well filled with very large, handsome peas of the finest flavor. Very popular with market gardeners.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.00

EDIBLE PODDED OR SUGAR PEAS

A great favorite with many. In the Edible-Podded or Sugar Peas the pods are gathered, broken and cooked like spring-beans when the peas start to develop in the pod or have reached about half their full size.

DWARF SUGAR.—Grows about 2 feet in height, producing a heavy crop of small, flat pods about 3 inches in length.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.25

MAMMOTH MELTING SUGAR.—Grows 4 feet tall, producing very large, broad, flattened pods.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. $3.25

NOTE.—NEW 1927 CROP OF SOME PEAS WAS VERY SHORT, AND PRICES ARE ADVANCING—BUY EARLY. SPECIAL PRICES IN QUANTITY.
PEAS—CONTINUED—LARGE PODDED, LATE OR MAIN CROP
MARKET GARDENERS WHO BUY IN BAG LOTS SHOULD WRITE FOR SPECIAL PRICES, STATING KINDS AND AMOUNTS WANTED

TELEPHONE
One of the most popular sort for main crop. Vines attain a height of 4½ feet, bearing profusely the extra long, handsome large pods full of large, tender, sweet peas of superb flavor. We offer a very carefully rogued, select strain of unusual merit.
Large pkt. 10¢; ½ lb. 20¢; lb. 35¢; 10 lbs. $3.00.

ALDERMAN
Excellent market variety. The large, dark green pods, filled with big, sweet flavored peas, bring fancy prices and sell rapidly. Vines tall and vigorous; main or late crop variety.
Large pkt. 10¢; ½ lb. 20¢; lb. 35¢; 10 lbs. $3.00.

IMPROVED STRATEGEM
A very productive, vigorous, semi-dwarf variety with large, dark green pods, always well filled. In quality it is unsurpassed. Vines very stocky and need little or no support.
Large pkt. 10¢; ½ lb. 20¢; lb. 35¢; 10 lbs. $3.00.

Routledge Prize
A new, sweet, wrinkled mammoth podded Pea of extra value. (Read reports, page 27.)

This new strain from New Zealand will be found true to name. A strong, sturdy, healthy grower. Vines and pods are a rich green. A bushel of Routledge Prize pods will shell out nearly twice as many peas as a bushel of most kinds. The vines are enormously productive, being completely covered with immense long pods, well filled with from 8 to 11 large peas of the richest flavor. This variety grows 4 to 5 feet high and as an abundant cropper is superior to all other tall sorts. Nothing in the line of peas excels the Routledge Prize in richness, sweetness and flavor. We are sure our customers will agree with us after testing this new pea. (See cut.)
Large pkt. 15¢; ½ lb. 25¢; lb. 45¢; 10 lbs. $4.00.

MARVEL Q. A.—A fertilizer of real merit. Read reports on page 37. You can get the same results if you use it. "SEMISAN" is another new product of "great merit"—increases germination and keeps diseases away. See page 36.

Remember, a little extra cost at planting time will bring "dollars!" or greater satisfaction at harvest time. All pea prices are postpaid. Write for quantity price.
DO YOU SEND EAST for your Seeds? It's bad policy. Spend your money on this Coast. Here's where you sell your products. Our seeds are highest quality and priced right.

PUMPKIN

DOUBLE THE YIELD AND SIZE OF YOUR PUMPKINS by using a handful of "MARVEL" Fertilizer to each hill, and be sure you mix it well with top soil. (See page 37.)

Winter Luxury
An enormous productive variety of medium size and superior keeping qualities. Of rounding shape, somewhat flattened, golden orange color with heavy netting. Rich, thick, golden flesh; sweet and tender. The best pumpkin for pies.
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.25

SMALL SUGAR
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.25

KING OF MAMMOTHS
The largest of all; grow this variety to win the prizes at the fair.
Pkt. 10c; oz. 25c; 4 oz. 60c; lb. $1.75

Connecticut Field
Popular for field culture and excellent for stock.
Pkt. 10c; oz. 15c; 4 oz. 35c; lb. $1.00

Large Sweet Cheese
A very large variety; fruit flattened, yellow when ripe. Flesh yellow, very thick and tender; very nutritious and of excellent quality; a most productive and heavy yielding variety.
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.25

PEPPER

Plant seed early in the spring; cultivate same as for tomatoes. Plants in season. See Vegetable Plant List, page 35.

Large Bell or Bull Nose
A very prolific variety, producing good sized, mild, thick fleshed fruit. Fine for salad and stuffing. Very popular with all gardeners.
Pkt. 10c; oz. 65c; 4 oz. $2.00

Chinese Giant
The largest of all the bull-nosed varieties, thick meated; claimed to be very sweet and mild. Excellent for stuffing.
Pkt. 10c; ½ oz. 35c; oz. 65c; 4 oz. $2.00

Ruby King
A strong, healthy, hardy grower; very productive; fruit extra large, thick and well formed. They ripen ruby scarlet. The flesh is extremely thick, sweet and mild.
Pkt. 10c; ½ oz. 35c; oz. 60c; 4 oz. $2.00

Pimento (Perfection)
This is a sweet pepper, one you will enjoy eating in salad, either fresh or canned. Fruit medium in size; very thick flesh and wonderful mild flavor.
Pkt. 10c; ½ oz. 35c; oz. 65c

TO-PEPPO—NEW
"The sweetest and most prolific of all peppers." We tested it this year and found it the earliest and by far the most productive pepper. It is a new and improved tomato or pimento pepper. Shaped like a tomato 3 to 3½ inches wide, 2 to 2½ inches deep, an ideal shape for stuffing or frying. The flesh is unusually thick, tender, sweet and tasty. An ideal variety for home gardens as it is so productive. The peppers grow on upright stems, not drooping or hanging like all other peppers. Try this new kind.
Pkt. 25c; ½ oz. 50c; oz. 80c
RADISH

REMEmBER.—For a continuous supply of crisp, tender Radishes, sow seed every week, as they remain in "prime" condition only a few days after attaining full size. Use "C-M", page 38.


SCARLET TURNIP, WHITE TIPPED

A beautiful variety; deep scarlet, with white tip. Very early, crisp and delicious. Very popular as a market sort. (No. 5.)
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

SPARKLER.—A French grown variety similar to the above but the whole lower half is pure white, upper half bright scarlet. Some market gardeners seem to prefer it. Crisp and tender, little larger. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

EARLY SCARLET TURNIP.—Small top; of quick growth; mild and crisp. Very popular. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

FRENCH BREAKFAST.—Very popular; crisp, tender and mild; grows about 2 inches long, stump rooted, tipped white. (See cut No. 7.) A very desirable variety. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

SCARLET GIANT ("Crimson Giant").—The largest early scarlet, globe-shaped radish. Flesh sparkling white, solid, crisp, juicy and mild. (See cut No. 6.) Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

EARLY SNOWBALL (Model White Box).—Early, clear white, solid, juicy, crisp, tender and unsurpassed in flavor. (See cut No. 4.) Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

LONG SCARLET.—Grows perfectly straight and smooth, 6 to 7 inches in length; skin scarlet, very thin; the flesh crisp, brittle and of delightful flavor. (See cut No. 2.)
Pkt. 10c; oz. 20c; 4 oz. 40c; lb. $1.00

WHITE ICICLE

It is not only crisp and tender when young, but retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sorts. (See cut No. 3.) Pkt. 10c; oz. 15c; 4 oz. 40c; lb. $1.25
SQUASH—Fall and Winter

DOUBLE the yield of your squash by using a cupful of "MARVEL" Q. A. Fertilizer well mixed with the soil to each hill. (See page 37.) You know the richer your ground, the larger the yield, and "Marvel" Fertilizer certainly contains more plant food than any other brand.

True Hubbard

One of the best of the winter squashes. Vines vigorous and very productive. Fruit large, heavy, moderately warted with very hard shell. Skin uniformly dark bronze-green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Can be kept in good condition until spring. Our seed is carefully selected and is much superior to most offered.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.35.

Golden Hubbard

The same shape and high quality as the well known Hubbard Squash except that it is a rich golden color and somewhat warted. It is also a long keeper; considered by expert judges to be one of the very best fall and winter sorts yet introduced. Matures early; is vigorous and wonderfully productive. Flavor and quality unsurpassed.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

Banana Squash (See cut)

Grows 1½ to 3 feet in length. The skin varies from dark olive-green to slate color outside. Flesh firm, very thick, finest quality and rich orange. When quite young it is excellent to cook as a marrow. Ready early in the fall and will keep until late spring. In demand and a very popular variety.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

IMPROVED BOSTON MARROW

A popular variety for canning; large oval fruit; skin bright reddish-orange, with light cream netting; flesh rich orange, fine grained and of excellent quality.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

MAMMOTH CHILI

Grows 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. 10c; oz. 20c; 4 oz. 50c; lb. $1.50

DANISH—TABLE QUEEN

An ideal table squash, just the right size, averaging about 7 inches long and 5 inches thick. Very popular and much in demand by our produce merchants. Color dark green and shows a splash of orange red on ground side when ripe. Vines vigorous and very productive. Shell hard and smooth and ridged. Cut in half and bake in the shell—try it. Fine grained and finest quality. None better. Ripens in the fall and keeps as long as a "Hubbard".

Pkt. 10c; oz. 25c; 4 oz. 50c; lb. $1.75

ENGLISH VEGETABLE MARROW

Creamy white. A favorite English variety about 12 inches long. Flesh tender, delicious.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25
SQUASH—Continued—Summer and Fall

Delicata Squash

Often produces 15 to 20 fruits to a vine; very fine flavor and quality.

Ready almost as soon as the early summer sorts, and remains in perfect condition a long time. Fruit about 8 inches long (see cut). Color when ripe yellow, striped and marbled with dark olive-green.

Flesh thick, of fine texture, excellent quality, pale yellow; turns out dry, mealy and sweet either baked or boiled. Excellent for pies.

Lb. 10c; oz. 20c; 4 oz. 45c; lb. $1.50.

GOLDEN SUMMER CROOKNECK

Large, early and very prolific. Our strain is of the true crookneck type, heavily warted and of rich golden color. Excellent quality.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

MAMMOTH WHITE BUSH SCALLOP

Large, early, clear, creamy white. Squash is flat, thick meat, very productive; excellent quality fried or stewed.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

GOLDEN CUSTARD BUSH SCALLOP

Same as above only yellow; same price.

SPINACH

Spinach supplies the most healthful greens we have. Hardy and easy to grow. Sow 1 inch deep in rows 15 to 20 inches apart and thin out plants to 3 inches apart. Sow seed in March and April, August and September. Does not mature well in hot weather.

BIG CROP

New Giant Spinach of Real Merit

First introduced in 1924 and is highly praised by those who have tried it. Big Crop is a quick growing, large-leaved variety, and will produce an immense crop quicker than any other, yet it will stand long before bolting and is resistant to “blight.” Leaves large and upright, almost smooth, and of excellent color and quality.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.00

KING OF DENMARK.—The plants form compact bushes with round, thick leaves which are a rich dark green and much crumpled. It stands unusually long before bolting to seed. Excellent quality. It is a heavy cropper.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

IMPROVED THICK-LEAVED.—A variety which grows very rapidly, forming a cluster of leaves, very thick, slightly wrinkled leaves of fine color and quality when cooked. Very popular variety. For spring or early fall.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

SAVOY LEAVED.—An early sort, leaves crumpled, broad and pointed dark green; fine quality. A hardy, rapid grower. Fall or spring.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

PRICKLY WINTER.—Very desirable; very hardy; bears large, thick, broad pointed leaves. A fine winter variety.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 60c

Special—10 lbs. any kind Spinach 10c less per lb.; 25 lbs. 15c less per lb.
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

Tomato Plants
In any quantity

TOMATO

Use "Semasan", Page 36. Prevents Damping Off

Routledge Special

If you want the "Best" extra early bright scarlet tomato, plant our new "Routledge Special." Our seed is grown under contract by the best tomato expert on this Coast. Compared with the best strains of other early varieties it grows a more vigorous, healthier vine, and produces more ripe fruit extremely early and throughout the entire season. Fruit medium size, almost round. Very smooth and free of cracks, a beautiful, bright, scarlet, very solid "and firm, but tender meated and of superior quality. What more could you want? Try it and report. Only "early orders" booked for plants in season, at 20% higher than standard sorts. (See report below.)

Pkt. 15c; ½ oz. 40c; oz. 60c; 4 oz. $1.75; lb. $5.00.

Chalk's Early Jewel

Our most popular, large, smooth, fine flavored, extra early, bright red tomato. A heavy cropper, of large size; excellent fruit freely produced throughout the season. The plants are healthy and strong. Excellent market variety; very solid and deep through, being almost round; ripening to the stem with few cracks or green cores. The flesh is thick, solid, of fine flavor, with few seeds.

Pkt. 10c; ½ oz. 25c; oz. 40c; 4 oz. $1.25; lb. $3.75.

Burbank

A wonderful new variety, claimed to be the earliest, smoothest, solidest, most productive, bright scarlet tomato, with a skin that will "peel" easily. Highly praised by those who have tried it.

Pkt. 15c; ½ oz. 35c; oz. 60c; 4 oz. $2.00

Comet

The Best Tomato for Greenhouse Forcing.—A recent variety, matchless in form and color. Beautiful, smooth, round fruit in great abundance. Color a rich scarlet, skin smooth. Sets very freely in bunches. Equally good for outdoor culture as for forcing.

Pkt. 10c; oz. 40c; 4 oz. $1.25

Bonny Best

Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem.

Pkt. 10c; ½ oz. 20c; oz. 40c; 4 oz. $1.25; lb. $3.75

Husk or Ground Cherry

Used for preserves and eating from the hand. The seed we offer is that of the true Yellow Ground Cherry, not the purple-fruited sort, which is scarcely edible.

Pkt. 10c; ½ oz. 30c; oz. 50c

TOBACCO

Culture practically same as cabbage. Havana or Connecticut Seed Leaf.—Both good, hardy varieties for general planting here.

Pkt. 10c; oz. 75c

IT WILL PAY TO USE BUG DEATH on Tomatoes. See pg. 102.

Tomato Plants in any quantity. See Vegetable Plant list, page 35.
HIGHEST QUALITY

For spring use sow very early in rich, loose ground. They must make a quick growth to be tender and sweet. For fall and winter use sow in July, August or early September.

Extra Early

WHITE MILAN TURNIP

An excellent table turnip, and the earliest of all varieties; adapted for very early spring or fall planting. The tops are small; the bulbs of medium size, flattened, and ivory-white in color. The flesh is fine-grained, tender, and of mild, sweet flavor. It remains in good condition for some time, but for tender, crisp roots all season, plant less at a time and every 10 or 14 days.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

Extra Early Purple Top Milan

This variety is ready for table as early as White Milan; an equal to it in every way; flesh white, firm and delicate.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. $1.25

Orange Jelly, or Golden Ball

Delicate and sweet, yellow flesh, medium in size, firm, crisp and most excellent flavor; keeps well and is superior as a table variety.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 80c

Early White Flat Dutch

A leading white fleshed variety; 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.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 80c

Early Snowball

A superior table variety, meltingly tender, with snow-white flesh. Matures six weeks after sowing; medium size, smooth and perfectly globular.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 80c

White Egg

Is perfectly smooth, of a pure clear white; a very choice kind for table use; of excellent flavor, sweet and mild; pulls clean from the ground; thin, snow-white skin. Egg shaped. Excellent market variety.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 80c

For valuable and "up-to-date" books on Gardening and Poultry, see page 105.

TURNIPS

Best of Success

Port Orchard, Wash., Jan. 5, 1927
Routledge Seed & Floral Co.,
Portland, Oregon.

Dear Sirs: Please send us your 1927 catalog. We have only had a garden three years, but last year's was by far the best, and we wish to order our seeds from you again this year.

Yours truly,
WM. F. McKENZIE,

Early Purple Top (Strap Leaved)

One of the best and universally grown; flesh firm, but very tender and sweet; of quick growth. As it attains large size it is profitable for stock, keeps well.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

Purple Top White Globe

A very heavy cropping, globe-shaped variety, with white skin and sweet, tender flesh, excellent flavor and much in favor with the market gardeners. Grows quite large.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

Yellow Aberdeen

Round, medium size, light yellow; produces a large crop; is hardy and keeps well; flesh very firm, tender and sweet; a great favorite with the dairymen for feeding cows.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

Cowhorn (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. Has proved itself one of the best stock turnips ever introduced in Oregon.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

Raise No More Wormy Turnips

Use "Carco"

1 part to 125 parts water

A wonderful remedy for destroying maggots, grubs and worms which infest Turnips and root crops. A marked increase in vigor and growth following its use. See page 102.

Extra Early White Milan Turnips
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

RUTABAGA — SWEDES

For feeding stock in fall and winter there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock, and serve to keep them in good condition.

Improved American Purple Top

The leading and most popular variety, being very distinct in type, attaining a wonderfully large size; immense yielder; the flesh is very firm, cream yellow, fine grained, sweet and tender. Excellent both for table and stock feeding. Keep all winter.
Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

White Sweet Russian

This variety is most excellent either for table or stock; it grows to a very large size; flesh white, solid, with a firm texture, sweet and rich, an excellent keeper.
Pkt. 10c; oz. 15c; 4 oz. 35c; lb. $1.00

HERB SEEDS

All the Flowering Herbs 10c per Packet, unless Otherwise Priced

Anise.—Seeds aromatic; used medicinally. 35c
*Balm.—For culinary purposes. 50c
Basil.—Sweet; for flavoring soups. 40c
Borage.—For flavoring; also bee pasture. 40c
Caraway.—For flavoring. 25c
*Catnip.—Mild nervine; pkt. 15c. $1.00
Coriander.—Used for flavoring. 25c
Dill.—Used medicinally and for pickles. 25c
*Fennel.—Flavor of Celery. 40c

Oz.

Horehound.—Bitter; for tonic. 60c
Hysop. 60c
Lavender.—True, for fragrance. 50c
Marjoram.—Sweet, for flavoring. 40c
Rosemary.—Aromatic oil, pkt. 15c. 75c
Summer Savory.—For flavoring. 35c
*Sage.—For tea flavoring and dressings. 40c
Thyme (broad leaf).—For soup. pkt. 15c. 75c

We grow large quantities of choice vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We can supply all vegetable plants in TWO GRADES—plants "PULLED" 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. Tell us your choice of varieties, and we will send it or give you a good substitute. NO PLANTS SENT C. O. D. Write for prices on 5 to 10 thousand lots.

NOTE.—Dozen and 100 prices are postpaid; 25c less per hundred if called for. We will send 1,000 lots by express at your expense, unless you wish to send extra money to pay packing and postage.

CABBAGE, GARDEN KALE, COW KALE

Dozen 100 1,000
Early or late, transplanted. $ .25 $ 1.25 $ 8.00
Pulled after May 15. .85 6.00

When ordering Kale be sure and state whether the Curly Garden or Cow Kale is wanted.

CAULIFLOWER AND BROCCOLI

Dozen 100 1,000
Leading kinds, our selection, transplanted. $ .35 $1.50 $10.00

We do not sell "pulled" tomato plants from the seed bed. They should be transplanted at least twice.

Pot Grown Tomato Plants. — These large plants give the most profitable results. Cannot be mailed. Prices: 3-in. pots, 15c each; $1.50 doz.; 4-in. pots, 20c each; $2.00 doz.; must go by express, charges collect.

SWALLOW POTATO PLANTS

Dozen 100 1,000
Sweet Potato Plants. $.50 $2.00 $15.00

Send your orders in early, we’ll fill in proper season, from May to July 10. Oregon grown, best varieties.

Chives. (Schnittlauch.)—Per bunch, postpaid, 25c.

NOTE.—Pot grown tomato plants should have all the dirt left on the roots and are not mailable.
SEMESAN.—This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.

SEMESAN, JR.—A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots. Under Government-conducted field tests, with Diplodia and Gibberella infected seeds, Semesan Jr. successfully prevented or controlled these diseases and at the same time increased the yields from 10 to over 40%.

SEMESAN BEL.—Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. In widely separated potato-growing sections it has caused quicker sprouting, earlier maturity and greater yields.

SEMESAN.—The premier seed disinfectants

<table>
<thead>
<tr>
<th>Prices for Du Pont Semesan:</th>
<th>Semesan Jr. and Semesan Bel:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 ozs. $ .50</td>
<td>1 lb. $ 1.75</td>
</tr>
<tr>
<td>8 ozs. 1.60</td>
<td>5 lbs. 8.00</td>
</tr>
<tr>
<td>1 lb. 2.75</td>
<td>25 lbs. 37.50</td>
</tr>
<tr>
<td>5 lbs. 13.00</td>
<td>100 lbs. 140.00</td>
</tr>
</tbody>
</table>

FOR THE HOME GARDENER—A simple and easy method of using Semesan in a small way is to open the seed packet, put in a little Semesan powder, fold over the end of the packet and shake it. Then sow right out of the packet. The powder that does not adhere to the seed will drop in the seed drill and give further protection.

SAVES THE SEED.—Market gardeners report that Semesan prevents early planted corn, beans, etc., from rotting in case of cold, wet weather.

Semesan Disinfectants Make Good Seeds Grow Better—Send for Free Booklets

VIO-RAY—New Process SCREEN GLASS

For poultry houses and scratching sheds, hot beds, cold frames, doors or windows, sleeping porches, partitions or enclosures or anywhere in place of glass. It's unbreakable, hail proof, rain and wind proof, cold proof, rust proof and very light in weight and flexible.

SAVES MONEY AND LABOR.—For the uses recommended, Vio-Ray is far superior to glass. Glass is expensive, easily broken and requires skilled labor to construct. VIO-RAY is easy to frame, light in weight, flexible and will not break. VIO-RAY costs less than glass, yet does what glass cannot do, for it transmits the sun's healthful life-producing violet rays.

Anyone can easily build with VIO-RAY for the only tools that are necessary are shears, tacks and hammer.

VIO-RAY GLASS comes in rolls 100 ft. long, 36 inches wide. We cut any length wanted. PRICE, 14c square foot; $1.25 square yard.

VIO-RAY GLASS FABRIC.—A processed cloth; gives much the same results as screen glass, but not as durable; 36 inches wide. PRICE, 40c square yard; 6 to 12 yards at 35c; 100-yard roll, $30.00.
ODORLESS FERTILIZER

For vegetable and flower beds, lawns, fruit and berry bushes, trees, shrubs and roses, ferns, palms and house plants.

The best fertilizer for the city gardener; clean and odorless. Remember, it's all fertilizer: no filler, and our 100 per cent soluble and a Marvel in action, a giant in strength, and the small amount necessary to use makes it the cheapest and most efficient high-grade fertilizer on the market, and, last but not least, it is odorless.

In "Marvel" we have a meritorious and odorless fertilizer, put up in concentrated form, whereby making it inexpensive to send by parcel post, express or freight. Being a concentrated fertilizer, only a very small amount is required to produce the largest yield, a spoonful to a plant, a handful to a hill of potatoes, a 25-lb. bag of Marvel Q. A. is equal in plant food to 100 lbs. of most any other commercial fertilizer on the market. A complete and balanced plant food, very rich and strong, therefore must be used with caution. (Always mix it well with the soil—never put it directly on seed or roots.)

PRICES.—2-lb. carton (not postpaid), 25c. P. P. wgt. 10 lbs., $1.00; 25-lb. bag, $1.75; 100-lb. sack, $5.50. Full directions with each lot. Write for quantity prices.

MAIL.—If wanted by parcel post, add post¬age. Orders less than a bushel will be shipped in 2-bushel sacks. Bags will go by mail carrier than express or freight in most cases. Descriptive booklet on request.

NOTE.—Three sacks H. Q. SHEEP and one 25-lb. sack "MARVEL" mixed together will make a very rich combination fertilizer, that will prove highly satisfactory for all uses, as it would be very rich in plant food and supply the necessary humus for heavy soils. A WON¬DERFUL TOP DRESSING FOR LAWN¬S AND UNEQUALED FOR GENERAL GAR¬DEN USE.

Marvel Q. A.
All We Claim for It

We are printing only a few of the many reports received.

Crawfordsville, Ore.
Routledge Seed & Floral Co.,

Dear Sirs: I want to tell you how well I like the results of Marvel Fertilizer. I moved on a new place and the garden soil looked like nothing would grow. However, I got it in condition to plant and after sowing seed I used your Marvel Fertilizer on a few rows as an experiment. I was certainly amazed. The seed soon came through and the plants were not as healthy looking. Corn decidedly showed the effects of the Marvel Fertilizer.

Yours truly,
R. S. Y.

Crescent City, Calif.
Routledge Seed & Floral Co.,

Gentlemen: I used Marvel Fertilizer on my Tomato vines and they set fruit thick like grapes. I had one cluster of five pounds. Nothing was ever seen like it in this low coast climate. I also used it on my house plants and ferns and found it all you claim for it. Wonderful.

MRS. H. C.

Portland, Ore.
Routledge Seed & Floral Co.,

Gentlemen: After using the sample and then a sack of your Marvel Fertilizer, I am convinced that it is truly marvelous in the cultivation of flowers, vegetables and lawn. I say this after experimenting with a number of fer¬tilizers in the past. It is clean, handy and ef¬fective. Respectfully yours.

C. E. R.

Imported Granulated

Peat Moss

A soil conditioner, not a fertilizer

Granulated Peat Moss or Mull is a brown colored virgin soil, formed years ago by the growth and decay of mosses, aquatic plants, decomposed vegetable matter taken from the bottom of drained fresh water lakes. It is dried and packed under pressure into burlap wrapped bales of about 200 lbs. weight and is being shipped to America from Germany and Holland in car load, yes, even boat load lots.

It's a product nurserymen, horticulturists, florists and gardeners have wanted for years. It is a moisture retaining humus: an important aid in saving soil fertility. Adds humus to the soil, making the ground more-pliable and improves the general texture and condition. Conserves moisture in light, sandy soil; contributes effective drainage and lightens heavy soil.

Used in landscape work, lawns, vegetable gardens, flower beds and in potting soil, as a mulch on beds or plants. It is really a won¬derful factor in many ways. In all garden books and magazines, especially of English origin, you read about the great value of Peat. We can supply in original bales or we have it reground and put up in 2-bushel sacks.

Prices: Original Bale, $3.50. Fine ground in 2-bu. sacks, $1.25. Write for quantity price.
Dear Sirs: I liked the H. Q. Sheep Manure I bought better than any brand I have tried and I like to use pulverized sheep manure better than any other fertilizer.

Very truly yours,
DORA DEVEREAUX.

SHEEP MANURE—Ordinary Grade
If you want the common or ordinary grade from open corrals we can supply it in competition with anyone, but we cannot recommend a cheap grade. But if you buy it, write for price stating quantity wanted.

BONE MEAL FERTILIZER
This is finely ground and of best quality. Used for lawns, roses, shrubs and trees. Not very quick in action and should be applied in the fall or very early spring. Use 1,000 to 2,000 lbs. per acre.

Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. $3.00; ton, write.

Routledge Seed & Floral Co.'s 1928 Complete Annual Catalog

LIME—PULVERIZED
Lime is an indirect soil improver and a very valuable conditioner, and releases the plant foods. Its application on heavy or clay soil will open it up, make it lighter and more workable. Few people realize its value. Most Western Oregon soils need lime. Use 1 to 2 tons per acre on plowed fields. For garden or lawn about 2 lbs. per 100 sq. feet.

GROUND LIME ROCK.—Coarse and slow in action. We prefer fertile lime. Price, 100 lbs., $1.50.

FERTILE LIME.—This is put through a process that makes it finer and lighter than above. Quicker in action, richer in calcium, and well worth the higher price. Excellent for moss in lawns and general garden and farm lands.

Prices: 5 lbs. 20c; 10 lbs. 25c; 50 lbs. $1.00; 100 lbs., $1.50. Write for quantity price.
Fertilizers — Continued

Fertilizer prices on this page subject to market changes. Write for quantity price.

**NITRATE OF SODA**
It is very quick in action, stimulating rapid growth. Being quickly soluble, it should not be applied until spring, on garden truck.

**PRICES:**
- Lb. 15c; 5 to 10 lbs. @ 7c; 15 to 25 lbs. @ 6c lb.; 100 lbs., $3.75; write for quantity price.

**SUPERPHOSPHATE**
This is what is known as acid phosphate, being phosphate rock that has been treated or processed, to make the phosphoric acid available. Has become very popular among grain and fruit growers. Use at the rate of 300 lbs. and up per acre.

**PRICES:**
- 100-lb. sks. $2.35; 5 to 10 sk. lots at $2.00. Ton price, write.

**LAND PLASTER**
(Gypsum.)—An indirect fertilizer as it releases plant food and changes soil conditions. Used largely on grass and clover crops.

**PRICES:**
- 10 lbs., 25c; 50 lbs., 75c; 100 lbs., $1.00; write for quantity price.

**SULFAHTE OF AMMONIA**
Strong in nitrogen, about 25 per cent. Will stimulate growth almost immediately. Not a complete fertilizer, but valuable for its high per cent of nitrogen.

**PRICES:**
- Lb. 15c; 5 lbs. 50c; 25 lbs. $1.75; 100 lbs. $4.50.

---

**Legume Inoculation**
**HUMOGERM**

That Increases Crop Production and Greatly Improves the Soil

Seeds of all Legumes—Clovers, Alfalfa, Sweet Clovers, Garden Peas, Beans, and Sweet Peas, Vetches, Soy Beans, etc.—will yield far better results if inoculated with HUMOGERM, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. No other inoculant will produce the wealth of nodules obtained by using HUMOGERM. We believe in inoculation, we favor the soil medium, and we believe in HUMOGERM. Of all the inoculants manufactured, we believe it is the most effective, and cheapest, consistent with high quality.

**WHAT HUMOGERM IS.**—A culture of bacteria especially selected and bred for maximum vitality and ability to take nitrogen from the air. They are carried in a sterilized, finely ground, porous humus medium that keeps them fresh, active, and vigorous. Economical and easy to use, HUMOGERM is a sensible insurance and a profitable investment.

**HOW TO ORDER.**—Specify crop and number of bushels you wish to inoculate (one-bushel size contains sufficient bacteria to thoroughly inoculate one bushel of designated variety of legume seed). Easy to use; full directions on each can.

**PRICES ARE LOW**

For small seeds—Clovers, Sweet Clovers, Alfalfa, etc., ¼-bus. size, 35c; ½-bus. size, 60c; 1-bus. size, $1.00; 2½-bus. size, $2.25.

New reduced prices on cultures for large size seeds—Soy Beans, Vetch, etc., Field or Garden Peas or Beans. ½-bus. size, 35c; 1-bus. size, 60c; 5-bus. size, $2.25. (By mail add 5c extra for postage on any size.)

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25c; postpaid, 30c.

---

**INCREASE THE FERTILITY OF YOUR SOIL BY USING “HUMOGERM”. DESCRIPTIVE LEAFLETS ON REQUEST.**
For "Brown Spot" in Lawns

Use "Dupont Semesan" as the most effective means of controlling "Brown Patch" which attacks the turf of golf courses, tennis courts and lawns. See page 36, Pamphlet free.

Nothing adds a greater air of refinement to a home than a beautiful, well-kept lawn. The planting of a few shrubs, roses and a liberal planting of flowers should not be forgotten. The pretty home above is "well done." The vegetable garden is in the rear, hidden by the hedge of flowering plants.

LAWN GRASS SEED

Though we offer, separately, seed of many of the grasses suitable for the lawn, we consider as very erroneous the somewhat prevalent idea that any single variety of grass seed is preferable or equal to a mixture.

R. R.'s EVERGREEN LAWN GRASS

To obtain a good Lawn Grass Mixture, it is necessary that the best possible seed of fine grasses be used in the combination, embracing such varieties as are of neat, close growth, extreme hardiness, and adapted to produce a quick, permanent sod. Judicious selection of seed, knowledge of the habits, vigor, quality and hardiness of varieties used in the mixture can only be gained by thorough and practical tests under different climatic and soil conditions. After many years' experience, we offer our pure, clean Evergreen Lawn Grass Seed Mixture, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions, and which may be depended upon to produce a beautiful, compact, evergreen sod that will resist trampling and hard usage, and at the same time present that handsome, velvety appearance so much desired.

R. R. EVERGREEN LAWN GRASS.—Recognized by expert gardeners as the "highest quality." Portland's finest lawns have been grown from this mixture. PRICE, 60c per lb. Add postage by mail.

Note.—You better spend a few cents or a dollar extra on the seed you buy and have a fine lawn that you'll be proud of. Sow 1 pound seed to every 200 square feet for best results.

OTHER GRASSES AND CLOVER FOR LAWNS

WHITE CLOVER.—Many gardeners like white clover mixed in lawn seeds and it is excellent, especially if your soil is heavy or poor. White clover grows quickly and acts as a nurse crop and protects the fine-leaved grasses. Choice, 55c lb.; Extra Fancy for Lawns, 60c. Postage extra.

EVERGREEN LAWN, mixed with one-fourth WHITE CLOVER, 60c lb. Postage extra.

FANCY BLUE GRASS, 50c; with one-fourth WHITE CLOVER, 60c lb. Postage extra.

H. Q. FOR LAWNS, 55c lb.; postage extra.

KENTUCKY BLUE GRASS, 50c lb.

IMPORTED CREEPING BENT GRASS, $1.25 lb.; AMERICAN (SEASIDE), $1.60 lb.

RED TOP, FANCY "H. Q.", for lawns, 45c lb.; postage extra.

SHADY LAWN SPECIAL MIXTURE, 60c lb. Postage extra.

For all other kinds of Grass Seeds, see next page; Clovers, page 42.

Note.—Lawn Grass prices subject to market changes.

Spy Rock, Calif., July 1, 1927.
Routledge Seed & Floral Co.

Sirs: Last fall I had bought from you some Shady Lawn Grass Seed. I just sowed it before the fall rains and to date I never saw anything so lovely and green.

Respectfully,

JACK HARMAN.

Westfir, Ore., Feb. 28, 1927.
Routledge Seed & Floral Co.

Gentlemen: I am writing to ask you to please send me your spring seed catalog. I bought my seed from you last year and had wonderful results.

Yours truly,

MRS. W. J. KILBREATH.

FEED THE LAWN.—Do not starve the grass if you want it to look green and velvety; use "Marvel" and H. Q. Sheep as per directions. See pages 37 and 38.
GRASS SEEDS

**Highest Quality**

Only one grade priced, the best, choice, clean seed. Write for prices in quantity.

Single pound prices on Grass and Clover Seeds are prepaid. Prices per ten, fifty and one hundred pounds are not prepaid and are subject to market changes. For reference tables, amount to sow per acre, see inside back cover.

You Will Always Get Your Money’s Worth

Prices on Grass and Field 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 wanted, or order what you want at catalog prices, and we guarantee to sell you full value for the money sent, whether the price at the time you order be higher or lower.

**KENTUCKY BLUE**

One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year.

Fancy, 10 lbs. $4.00; per lb., postpaid, 45c; 100 lbs. @ 36c.

For lawns.—Blue Grass is used very extensively for lawns and is found in all good lawn grass mixtures.

Our H. Q. (highest quality) Extra Fancy seed is unexcelled for weight and purity. Few dealers handle this high grade re-cleaned seed on account of its cost. This seed, straight or mixed with Fancy White Clover, is excellent for lawns.

H. Q. Extra Fancy, 10 lbs. $5.00; per lb., postpaid, 65c; 100 lbs., write.

**ENGLISH RYE GRASS**

A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. It grows very rapidly and makes a good showing quicker than most grasses.

10 lbs. $1.50; 50 to 100 lbs. @ 11c lb.; per lb., postpaid, 30c.

**ITALIAN RYE**

A quick-growing grass, attaining a height of 3½ to 4 feet, valuable for meadows or permanent pastures; thrives best on soils that are slightly moist; makes fine hay.

Imported Seed, 10 lbs. $1.50; 50 to 100 lbs. @ 10c; per lb., postpaid, 30c.

**RED TOP**

Of great value for mixing with hay or permanent pasture grasses; will succeed in nearly any soil, and thrives best in a rich, moist soil; makes a fine bottom growth, rendering it invaluable to be sown with timothy, orchard or alsike clover.

Fancy Hull Solid Seed, 10 lbs. $3.50; 50 to 100 lbs. @ 30c; per lb., postpaid, 50c.

H. Q. Extra Fancy, for lawn seeding, 10 lbs. $4.00; 50 to 100 lbs. 45c; per lb., postpaid, 60c.

**ORCHARD**

Of the greatest value in permanent pasture mixtures; thrives best in moist, shady places, but will withstand drought exceedingly well. Will do well under trees, or shady places. Valued for hay crop, as it is very nutritious if cut early.

10 lbs. $2.20; 50 to 100 lbs. @ 20c; per lb., postpaid, 35c.

**TIMOTHY**

As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam.

10 lbs. $1.20; 50 to 100 lbs. @ 10½c; per lb., postpaid, 25c.

**SPECIAL PASTURE MIXTURES**

Mixture for burned-over land.—In grading and cleaning grasses and clovers, we frequently find combinations that are difficult of separation and while the seeds are often of excellent germination and quality, they cannot profitably be separated and cleaned, so we blend them to produce pastures suitable for sowing on burned and logged-off land. In ordering state whether for high or low lands. Prices per 100 lbs., $15.00; special prices by the ton.

**CREEPING BENT**

Very desirable for either lawns or putting greens on account of the fine, firm and enduring turf it produces. Used very extensively on our local golf courses. We offer highest quality pure seed.

Oregon Grown (Pacific), true and pure, per lb., postpaid, $1.75.

Imported, per lb., postpaid, $1.50.

Write for quantity prices.

**ROUGH STALK MEADOW**

For shady places under trees or wood pasture.

Per lb., postpaid, 75c.

**CHEWING FESCUE**

Recommended for lawns and golf links. It is a fine-leaved low-growing grass that forms a compact turf. Does well on all soils, even on dry sandy soils.

10 lbs. $4.40; per lb., postpaid, 55c.

**MESQUITE**

It is usually sown on virgin soil, without cultivation, after the ground has been burned over.

Fancy Hull Seed, 10 lbs. at $2.10; 50 to 100 lbs. at 18c; per lb., postpaid, 30c.

**BROMUS INERMS**

On account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. Very heavy yielder.

10 lbs. $2.10; 50 to 100 lbs. @ 20c; per lb., postpaid, 30c.

**SUDAN GRASS**

Sudan Grass is strictly an annual and dies each year. This makes it fit admirably into any system of rotation. It is a tall, quick-growing grass, reaching a height of from 5 to 7 feet. The plant stools wonderfully and yields well.

It belongs to the sorghum family, but is more slender and grassy in manner of growth, earlier and harder; yields a good crop of first-class hay or green feed two to four tons per acre and under irrigation as high as eight to ten tons per acre.

**SEEDING.—**Plant late in the spring or during the summer as a catch crop. Yields best in drills 18 inches apart and given one cultivation. 10 lbs. per acre. If sown broadcast and harrowed in, 25 lbs. per acre.

Per lb., postpaid, 30c; 10 to 25 lbs. @ 22c, postage extra; 100 lbs., write.

**OTHER GRASSES**

Write for special prices stating quantity wanted.

**SHEEP FESCUE,** for pasture, 10 lbs. $45c; per lb. postpaid.

**RED OR CREEPING FESCUE,** greens, 10 lbs. $45c; per lb. postpaid.

**MEADOW FESCUE,** for hay or pasture, 10 lbs. $50c; per lb. postpaid.

**POA TRIVIALS,** best shady lawn grass. 10 lbs. $60c; per lb. postpaid.

**TALL MEADOW OAT,** for hay, 10 lbs. $35c; per lb. postpaid.

**LAWN GRASS,** see pg. 48; CLOVER, pg. 47.

**PRICES SUBJECT TO MARKET CHANGES. WRITE FOR PRICES WHEN WANTED.**
ALFALFA AND CLOVER SEEDS

Single pound prices on Grass Seed are prepaid. Ten, fifty and one hundred pound prices are NOT prepaid and subject to market changes. See notes, page 41. For amount of seed to sow per acre, see table inside back cover.

ALFALFA

Reports prove that Alfalfa will grow in all parts of the West, but requires a deep, loose soil. Will not thrive on heavy clay or where there is hard pan. As soon as cut it immediately commences to grow. Excellent hay or pasture. Alfalfa, once established, is a crop so profitable that every farmer may well take great care to get a stand.

CHOICE ALFALFA.—Price: 10 lbs. $2.50; 50 to 100 lbs. at 23c; per lb., postpaid, 35c.

DRY LAND ALFALFA.—For high, dry, hot land, where irrigation is impossible.

Price: 10 lbs. $2.50; 50 to 100 lbs. at 23c; per lb., postpaid, 35c.

GRIMM ALFALFA.—This new variety is very hardy and will stand much more tramping and root injury. In many Western sections it is out-yielding the common variety and proving much more profitable. It is a little earlier and will do well on most all soils except undrained meadows. Not affected by extreme heat or cold, and does better in a wet climate than any other alfalfa. We offer the genuine true Grimm seed.

Prices: 10 to 20 lbs. at 43c lb.; 100-lb. prices on request.

RED CLOVER (Trifolium Pratense)

Hardy, and succeeds well on any good soil. The most popular variety.

10 lbs. $3.50; 50 to 100 lbs. at 33c; per lb., postpaid, 40c.

ALSIKE CLOVER (Trifolium Hybridum)

Valued highly for sowing with other grasses. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

10 lbs. $3.50; 50 to 100 lbs. at 32c; per lb., postpaid, 40c.

WHITE CLOVER (Trifolium Ripens)

Used largely in lawns and permanent pasture mixtures. Accommodates itself to a great variety of soils.

Choice Seed, 10 lbs. $5.00; 100 lbs. $45.00; per lb., postpaid, 60c.

For lawns always buy our "H. Q." Fancy Seed, which is the purest high quality seed obtainable, and the true very dwarf, hardy variety.

"H. Q." Fancy Seed.—10 lbs. $5.50; per lb., postpaid, 70c.

HUBAM CLOVER—(Annual Clover)

Per lb., postpaid, 60c; 10 lbs., $5.00. Write for prices on larger lots.

SWEET CLOVER (Bi-annual) (Melilotus Alba)

Excellent for pasture, hay or as a fertilizer to plow under to improve the soil.

Grows luxuriantly on good soils, but it will also grow and thrive on thin, sandy soil, hardpan, gumbo, and clay; especially good on alkali land.

Sweet clover lives two years. It makes large, rapid growth the first season and can be cut for hay or pastured the last half of the summer. The second year it blooms, bears seeds and dies. Will make two crops of hay or a crop of hay and one of seed the second year. Can be plowed under either the first or second year, but to get the full value in humus the second season is better on account of the large roots that penetrate the lower layers of soil, thereby loosening it up and adding much humus and more nitrogen.

Sown very early in the spring. It does well sown either alone or with a light nurse crop of grain. Use 15 to 20 pounds of seed per acre.

Prices: 10 lbs. $2.20; 50 to 100 lbs. at 20c; per lb., postpaid, 35c.

FIELD AND FARM SEEDS

Single pound prices are prepaid. Ten, fifty and one hundred pound prices are NOT prepaid and subject to market changes. See notes about shipping, page 41.

ARTICHOCKES

WHITE JERUSALEM

Planted and cultivated for the tuber, the same as potatoes. Of great value for feeding stock. They are the best and cheapest hog feed known. They are remarkable for great productiveness, over 25 tons have been raised on one acre. Bastie's to grow than potatoes. They need not be dug. If hogs are turned in on them they can easily root the tubers out. One acre will keep from 20 to 30 hogs in fine condition for several months. Said to be a condition for several months. Excellent for fattening if fed with a grain or mash ration. Plant 400 lbs. per acre early in the spring.

By freight or express, 10 lbs. 50c; 50 lbs. $2.00; 100 lbs. $3.00. Per lb., prepaid, 20c; 4 lbs. 60c. Write for quantity prices.

CHEAT SEED

Cheat seed yields a good crop of hay. Sow in the fall or early spring, about 100 pounds per acre.

10 lbs. 60c; 100 lbs., $3.00.

IT PAYS TO INOCULATE ALL CLOVERS AND ALFALFA WITH HUMOGERM (PAGE 39) OR TREAT IT WITH SEMESAN. SEE PAGE 36.
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

Farm and Field Seeds — Continued

Prices subject to market changes. See notes, top page 41.

**BARLEY**

H. Q. Beardless

A wonderful yielder, even on dry, sandy soil. Stands up well and not likely to lodge. Makes excellent hay for horses or stock, or a big crop of excellent grain. Get a start of real beardless.

Prices: Postpaid, 1 lb. 20c; 10 lb. 75c; 100 lbs., $3.50.


Hannchen Barley. — Earliest and best of the 2-rowed barleys. A sure and heavy cropper. Grain plump, thin hull and beards drop or break off readily. For spring planting but will do well seeded in fall where winters are mild.

By mail, postpaid, 1 lb. 25c; 5 lbs., 75c; 100 lbs., $3.25.

**WHITE HULLESS or BALD BARLEY** — An excellent beardless 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 crop which is very rich and almost equal to a grain feed. More productive than wheat.

Prices: Postpaid, 1 lb. 25c; 5 lbs., 75c; 100 lbs., $5.00.

**BUCKWHEAT**

Silver Hull. — A very good and popular variety; grain is of a light gray color; has a thin husk; matures early, and yields heavily; a good milling variety.

Per lb., postpaid, 25c; 10 lbs., $1.50; 100 lbs., write.

Japanese. — Good yielder, ripens early; excellent for bees to work on as it remains in bloom longer.

Per lb., postpaid, 25c; 10 lbs., $1.50; 100 lbs., write.

**FIELD PEAS**

If you want to raise some good Field Corn, plant our Western grown Seed Corn. The strains we are offering you are acclimated and especially adapted to our short, cool summers. Eastern and Southern grown field corn seed is all right for green fodder, but of little value on this Coast, if you want the best corn for silo, or wish to raise matured, dry ears, for winter grain.

Routledge Pride of the West Field Corn

See Illustration from photograph

Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is unsurpassed for a large and profitable crop of large, well matured ears or for cutting for silo.

Routledge Pride of the West Field Corn is an early maturing variety, producing stalks from 6 to 8 and often 10 feet high, and large ears, 7 to 9 inches long. Cobs covered with 14 to 16 rows of deep, yellow kernels. It is a heavy yielder. Our strain has been greatly improved in the last few years.

We claim this is the earliest and heaviest yielding strain of Yellow Dent corn grown in Oregon. Try it and be convinced.

Large pkt. 10c; lb. 20c; 10 lbs., $1.50, postpaid; 100 lbs., $7.00.

Sweet Fodder Corn

All varieties of sweet corn possess very much more "sugar" than any feed sort, and this being the most important constituent, it necessarily follows that the corn holding this in greatest quantity has the greatest net value. Drill 1 1/2 to 2 bushels to the acre.

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Large pkt. 10c; lb. 20c; 10 lbs., $1.50, postpaid; 100 lbs., $7.50.

**FIELD CORN FOR WEST**

**OUREGON GROWN ACCLIMATED FIELD CORN WILL PLEASE YOU**

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See Illustration from photograph

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**OUR OREGON GROWN ACCLIMATED FIELD CORN WILL PLEASE YOU**

Buckwheat

Silver Hull. — A very good and popular variety; grain is of a light gray color; has a thin husk; matures early, and yields heavily; a good milling variety.

Per lb., postpaid, 25c; 10 lbs., $1.50; 100 lbs., write.

Japanese. — Good yielder, ripens early; excellent for bees to work on as it remains in bloom longer.

Per lb., postpaid, 25c; 10 lbs., $1.50; 100 lbs., write.

**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 oats 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, 2 bushels to an acre; if with oats, 80 lbs. peas and 2 bushels oats.

**WHITE CANADIAN.** — The leading and most popular kind; seed creamy white; a heavy cropper. Yields 30 to 50 bushels per acre.

10 lbs., $1.00; 100 lbs., $6.00; per lb., 25c; 10 lbs., $1.50, postpaid.

**GREEN OR BLUE.** — Valuable variety, seed green. Used extensively as a dry soup pea.

10 lbs., $1.25; per lb., postpaid, 25c.

**FIELD CORN FOR WEST**

If you want to raise some good Field Corn, plant our Western grown Seed Corn. The strains we are offering you are acclimated and especially adapted to our short, cool summers. Eastern and Southern grown field corn seed is all right for green fodder, but of little value on this Coast, if you want the best corn for silo, or wish to raise matured, dry ears, for winter grain.

Routledge Pride of the West Field Corn

See Illustration from photograph

Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is unsurpassed for a large and profitable crop of large, well matured ears or for cutting for silo.

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Large pkt. 10c; lb. 20c; 10 lbs., $1.50, postpaid; 100 lbs., $7.50.

**OUR OREGON GROWN ACCLIMATED FIELD CORN WILL PLEASE YOU**

Minnesota No. 13

Well and favorably known in many sections of the West.

Northern Grown. — Large pkt. 10c; lb. 20c; 10 lbs., $1.25, postpaid; 100 lbs., $6.50.

Longfellow Extra Early

This valuable corn is a flint variety. The seed is a deep rich golden yellow, glossy and hard. The ears are 8-rowed, long, and 1 1/2 to 2 bushels to the acre.

Large pkt. 10c; lb. 20c; 5 lbs., $1.00; 10 lbs., $1.50, postpaid; 100 lbs., $7.00.

**OUR OREGON GROWN ACCLIMATED FIELD CORN WILL PLEASE YOU**
SEED OATS

When fancy, clean, heavy yielding oats are to be had at our reasonable prices it is poor policy to buy and plant common stock of unknown qualities simply to save a few dollars at planting time. We advise our customers to pay enough to get recleaned, true stock of varieties known to produce big and profitable returns.

If you can't afford to buy enough to sow all your fields, get a start by planting an acre or two to save for seed stock and start this year.

SHADELAND CLIMAX.—This grand oat belongs to the tree or branching class, and is a vigorous, healthy grower of strong stooling qualities. This is one of the heaviest yielding oats introduced to date. It does not produce much straw, but the yield of "thin hulled," plump, heavy grain, even on high, dry land, is amazing. For early spring planting, large yield and quick maturity, Climax is a winner. If you live West of the Cascade Mountains you can plant "CLIMAX" fall or spring, any time the ground is fit, but where the climate is severe, spring plantings are best.

Prices: Per bu., $1.25; 100 lbs., $3.25. By mail, postpaid, 4 lbs., 50c.
Write for quantity price, stating amount wanted.

SHADELAND ECLIPSE.—"ECLIPSE" is generally classed as a spring oat and is the best white side oat grown. Eclipse is enormously productive, early, very vigorous, and produces massive heads filled with medium size plump grains. "Eclipse" has been awarded many prizes. Can be safely planted in the fall as it is very hardy.

Prices: Per bu., $1.25; 100 lbs., $3.50. By mail, postpaid, 4 lbs., 50c.
Write for quantity price, stating amount wanted.

GRAY WINTER.—Gray Winter Oats are very hardy, and are generally used for fall sowing, and are especially useful for sowing with vetch. The straw grows very long, is stiff and not liable to lodge. It is a head oat. The grain is dark gray, large and plump, and it yields well.

Prices: Per bu., $1.00; 100 lbs., write.

WHITE SEED OATS.—Aside from the named varieties of fancy seed oats above, we can supply White Valley Oats at market price for fancy recleaned stock. Write for prices when ready to buy, stating quantity desired or order at $1.00 per bu. and we will ship full value more or less according to market.

SPELTZ—Emmer

Sow in the spring, the same as wheat, at the rate of two bushels per acre. Cut when the grain is past the middle stage of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. Can be fed whole, rolled like barley, or ground.

Prices: 10 lbs., 75c; 100 lbs., write; lb., postpaid, 20c; 3 lbs., 50c.

Thousand-Headed Kale

Recommending by agricultural colleges, granges and dairymen as one of the most valuable green forage plants for the Pacific Coast.

It grows rapidly and produces a mass of large, thick, curly green leaves, rich and succulent, which are eagerly eaten by stock and poultry. If planted early will produce valuable green feed during the dry summer months. Makes the most rapid growth if sown in the early spring, but locally it is extensively planted in summer and fall for winter feed. Will stand light freezing. Stalks can be cut off, or the larger lower leaves broken off, leaving the tops to grow. Under good cultivation plants will grow from 5 to 6 feet high. Sow 2 to 3 lbs. per acre, thinly in drills 2 to 4 feet apart and thin out. For late planting (July and August) it is better to have strong plants from earlier seeding and set out same as cabbage, 2 feet apart, in rows. Thin out later if plants attain extra large size.

EXTRA SELECT SEED

Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 60c, postpaid.

This cut is from photo, and gives you a good idea of the size and plant when well grown.
SUNFLOWER

MAMMOTH RUSSIAN.—The best variety to grow for the seed or silage. Planted in or around thry poultry runs they make a good shade during the hot summer days and at the same time produce a valuable feed.

Cultivation same as corn. For silage sow 12 to 20 lbs. per acre; for seed purposes, give more space to mature heads, 5 lbs. per acre. Heavy, reeleged seed, high germination.

Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 40c; 10 lbs. $3.00, postpaid. Write for quantity price.

KAFFIR CORN

An excellent fodder plant. Seed small and almost round, valuable poulty and pigeon food. It does best sown thinly in drills three feet apart.

10 lbs., $1.00; per lb., postpaid, 25c.

RAPE, DWARF ESSEX

We offer you 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 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. Rape will do well on almost any soil. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, three pounds, in drills; or if broadcast, five pounds.

10 lbs. $1.25; 100 lbs., write; per lb., postpaid, 25c.

SUGAR CANE OR SORGHUM

A valuable crop to grow for fodder or ensilage, as it furnishes an immense tonnage to the acre.

10 lbs. 60c; 100 lbs., write; per lb., postpaid, 20c; 3 lbs. 50c.

VETCHES

NOTE.—All Vetch is scarce and higher than usual. Buy early is you need any.

OREGON VETCH (Vicia Sativa).—Oregon's greatest forage plant. Often called Fall Vetch. 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 is generally mixed with wheat, oats or rye, having a stiff straw to hold it up. Sown alone 85 pounds, or 60 pounds with a bushel of grain, per acre. Sow in the fall or early spring.

Prices: 10 lbs. $1.00; 100 lbs., write; per lb., postpaid, 20c.

HUNGARIAN VETCH.—Becoming more popular each year on account of its strong, healthy growth. Its aphis resistance is probably the largest single factor toward making it a more generally grown vetch in Western Oregon. It's a heavier yilder, both in hay and seed, than any other vetches grown here under similar conditions.

Prices: 10 lbs. $1.00; 100 lbs., write; per lb., postpaid, 20c.

HAIRY SAND OR WINTER (Vicia Villose).—This variety thrives on poor, arid, sandy soils. It is sown in the fall or spring, mixed with rye, which serves to support the plants. Sow 20 pounds per acre.

10 lbs. $2.00; per lb., postpaid, 40c; 100 lbs., write.

READ ABOUT "SEMESAN"

Corn seed treated with Semesan has given wonderful crops. Read page 36 and send for booklets.

GET RID OF RATS

Poisons deadly to rats and mice but harmless to cats, dogs, poultry or human beings. See page 102.
HOW TO RAISE FLOWERS SUCCESSFULLY FROM SEEDS

The above is the title of a two-page leaflet we have issued for our customers. It tells HOW, WHEN and WHERE to plant. It is free to all. You will find it of great value.

IF YOU WILL MEMORIZE the following definition of the flower classes THEY WILL HELP YOU WONDERFULLY in the selection of seeds and your garden work in general.

**ANNUALS**

These grow from seed, flower, mature their seed, and die in one year, or in other words, the same season.

Half-Hardy Annuals are those which should be started early in the house, conservatory or hotbed, and transplanted to the garden in settled warm weather.

Hardy Annuals are those which can be sown in the open ground in early or late spring, or started inside and transplanted if very early flowers are desired.

**BIENNIALS**

These grow from seed, sown from June to August, flower, ripen their seed and die the next year, though some varieties bloom the same season if sown early in gentle heat.

Hardy Biennials will winter in the open ground without protection.

Half-Hardy Biennials require the protection of a cold-frame or cool-house during the winter.

**PERENNIALS**

These grow from seed, and continue flowering annually for many years after the first season. Some varieties flower the first season if started very early. Sow in the fall for early flowers next year.

Hardy Perennials can remain in the open ground during winter without protection.

Half-Hardy Perennials require the protection of a cold-frame or cool-house during winter.

**AGROSTEMMA**

*(Rose of Heaven)*

**COELI-ROSA.**—Superb free-flowering, hardy annual, rose-colored flowers; fine for cutting; height 1½ feet; July to September.

Pkt. 10c; ½-oz. 35c

**AGERATUM**

Half-hardy annuals, especially well adapted to edge large beds of geraniums, salvia, coleus or cannas, flower continuous through the summer. 15 inches.

**DWARF LITTLE BLUE STAR.**—New; one of the handsomest blue-flowered dwarf edging plants; grows 5 inches high, and is just covered with small, bright blue flowers.

Pkt. 15c; ½-oz. $1.00

**AGERATUM MEXICANUM.**—(15 inches.)

*Blue.*—Sky blue.

Pkt. 10c; ½-oz. 50c

*Album.*—Pure white.

Pkt. 10c; ½-oz. 50c

*Finest Mixed.*—All colors.

Pkt. 10c; ½-oz. 40c

**ALYSSUM**

One of the most popular hardy annuals.

**SWEET.**—Pure white; 6 inches; June to November.

Pkt. 10c; oz. 50c

**LITTLE GEM.**—The dwarfest and best for design bedding; plants very compact and bushy, and grow only 3 to 4 inches high.

Pkt. 10c; ½-oz. 35c

**LILAC QUEEN**

*Procumbens.*—(Carpet of Snow.) A new and very select strain, carefully selected. Plants very spreading and only about 2 inches tall. Blooms are massed, completely hiding all foliage.

Pkt. 15c; ½-oz. 50c

**SAXATILE COMPACTUM (GOLD DUST).**—Hardy perennial; yellow flowers; April to June; height 9 to 12 inches. (Plants 73.)

Pkt. 10c; ½-oz. 40c

**ARCTOTIS**

*New From Southwest Africa*

**GRANDIS.**—Handsome annual, easily grown from seed sown in hot bed or later in the garden. Grows 2 to 3 feet high and produces a profusion of large showy flowers on long stems from July to frost. Excellent for cut flowers as they are very lasting. Flowers white with a blue center edged gold. The reverse of petals are lilac-blue, buds lilac. Can be cut in bud and every one will open in a sunny window.

Pkt. 10c; ½-oz. 25c

**ACROCLINUM**

Hardy annual, with everlasting flowers; good for cutting; flowers double and dry nicely if cut in bud; 1 foot; July to October.

**ALYSSUM**

One of the most popular hardy annuals.

**SWEET.**—Pure white; 6 inches; June to November.

Pkt. 10c; oz. 50c

**LITTLE GEM.**—The dwarfest and best for design bedding; plants very compact and bushy, and grow only 3 to 4 inches high.

Pkt. 10c; ½-oz. 35c

**LILAC QUEEN**

*Procumbens.*—(Carpet of Snow.) A new and very select strain, carefully selected. Plants very spreading and only about 2 inches tall. Blooms are massed, completely hiding all foliage.

Pkt. 15c; ½-oz. 50c

**SAXATILE COMPACTUM (GOLD DUST).**—Hardy perennial; yellow flowers; April to June; height 9 to 12 inches. (Plants 73.)

Pkt. 10c; ½-oz. 40c

Have you a beautiful lawn? If not, see page 48 for Seed, pages 37 and 38 for Fertilizer.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

ASTERS

One of the easiest and most satisfactory summer and fall flowers to grow. We take the utmost pains to select seeds from the most perfect flowers only, and wish to assure our patrons that our strains are the superiority of perfection.

IMPROVED GIANT CREGO

The most beautiful and desirable aster we have ever seen; very hardy, free-flowering and one of the best for general planting; the plant is a strong, healthy grower, and will produce 12 to 15 long-stemmed flowers of the most graceful and pleasing style (see cut.) With ordinary care you can grow flowers measuring 5 to 6 inches across. Most of the handsome large aster blooms you see in the Portland flower stores are of this kind.

Pure White, Shell Pink, Rose Pink, Purple, Crimson, Lavender or Mixed. Pkt. 10c; ¼-oz. 35c
SPECIAL.—One packet each of the six colors only 50c.

California Giants

A new variety of real merit. Of immense size and beauty, long, sturdy stems, non-lateral type. Resemble the "Crego" in type of flower, but larger and more robust.

Pkt. 25c; ¼-oz. 75c

Heart of France

Heart of France opens red as the ruby, and retains its remarkable beauty to the very end. Flowers large and full. Plants of branching type and very robust habit. Stems long.

Pkt. 15c; ½-oz. 50c

Superb American Branching

This superb strain, of American origin, is especially adapted to our climatic conditions, and unsurpassed. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome large full flowers. (See cut.)

White, Shell Pink, Rose Pink, Lavender, Crimson, Azure Blue, Dark Blue, or Finest Mixed. Pkt. 10c; ½-oz. 60c

QUEEN OF THE MARKET

Most valuable for early cutting; the plants branch freely and produce a great many well-formed flowers nearly a month in advance of the later sorts.

Pkt. 10c; ¼-oz. 30c

Asters, Fine Mixed

A mixture of choice kinds for all season blooms.

Pkt. 10c; ¼-oz. 50c

ASTER PLANTS and all popular annual bedding plants supplied in season. Write for general price list. Crego Aster plants, 50c doz. postpaid.
ASTERS—Continued

Giant Comet
A well-known variety, but with us the "Improved Giant Creg" has taken its place.
Finest Mixed.
Pkt. 10c; ½-oz. 40c

SINGLE ASTERS

SINGLE ELEGANS (China Aster).—A hardy annual variety producing freely beautiful single flowers on long slender stems. Flowers about 2½ to 3 inches wide, and come in most all colors.
Elegans Single Mixed.
Pkt. 10c; ½-oz. 35c

THE SUNSHINE (Improved Anemone, Flowered).—One of the most attractive novelties. The lovely 3-inch single flowers have twisted and quilled petals; the beautiful cushion center is of contrasting colors. Long stems, excellent for cutting. (2½ feet.) See illustration bottom page 47.
Sunshine Mixed, all colors.
Pkt. 25c.

HARDY PERENNIAL ASTERS

(Michaelmas Daisies)
One of the showiest of our late-flowering perennials, giving a wealth of bloom during September and October. They grow freely in any soil. If sown early they will flower the first season. 3 to 4 feet. Excellent for cutting. They come only in lavender and dark shades.

Large Flowering Varieties.—Seed saved from the choicest flowers only.
Pkt. 10c; ½-oz. 75c

ANTIRRHINUM

(Snapdragon)
Among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blossoming season giving them great value for garden color masses, as well as for cutting. Bloom from July to frost. Hardy perennials, 1½ to 3 feet. (See cut.) Plants, page 72.

A. Maximum
This wonderful new group of Antirrhinums far surpasses anything yet introduced. The flowers are of magnificent size, closely placed on tall, graceful spikes, 3½ feet. We offer six beautiful colors as follows
Your Choice, 15c
Pkt., ½-oz. $1.00.
COPPER KING.—Velvety scarlet shaded copper.
DIAMOND.—Golden yellow, lilac throat.
OLD GOLD.—A rich deep golden color.
SILVER QUEEN.—Beautiful rosy pink.
SNOWFLAKE.—Pure white, yellow tube.
WALLFLOWER.—Brownish orange, copper red.
MAXIMUM MIXED.—A lovely mixture.
Pkt. 10c; ½-oz. 75c

A. NANUM GRANDIFLORUM
Large flowers, medium height, about 2 feet.
Queen of the North.—Long Spikes; pure white; superb.
Pkt. 10c
Defiance.—Orange scarlet, white tube. Pkt. 10c
Firebrand.—Beautiful, bright scarlet. Pkt. 10c
Daphne.—Pearly pink.
Golden Queen.—Rich, pure yellow. Pkt. 10c
½-oz. Any Variety above 40c

A. Majus Grandiflorum
TALL MIXED
Tall Giant, Finest Mixed.—Our seed of this is exceptionally fine; height, 2 feet.
Pkt. 10c; ½-oz. 35c
Dwarf Mixed
Semi-Dwarf.—Fine for bedding; 24 inches.
Finest Mixed.
Pkt. 10c; ½-oz. 35c

ANEMONE

(Windflower)

ST. BRIGID.—Double and semi-double flowers in a wonderful array of colors. Perennial, 1 foot.
Pkt. 15c

ASPARAGUS

PLUMOSUS NANUS.—A graceful pot plant for either house or conservatory. See illustration under Fern Plants; very finely cut, delicate lace-like foliage.
Pkt. 25c; 100 seeds $1.00
SRENGERI.—Drooping foliage; adapted for hanging baskets or cutting.
Pkt. 10c; 100 seeds 50c

AMARANTHUS

CAUDATUS (Love-Lies-Bleeding).—Hardy annual; ornamental foliage plant; fine for bedding; green foliage with long, drooping crimson racemes; 2 feet.
Pkt. 10c; ¾-oz. 35c
CRUENTUS (Prince's Feather).—Dark red foliage and feathery flowers; 2 feet.
Pkt. 10c; ¾-oz. 35c
TRICOLOR (Joseph's Coat).—Ornamental; for foliage only; red, yellow and green.
Pkt. 10c; ¾-oz. 50c

USE "MARVEL Q. A."—The best Fertilizer and plant food known. A teaspoonful to a plant does wonders. See page 37.

Antirrhinum Maximum
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

ARABIS

(Rock Cress)

ALPINA.—Hardy perennial; pure white flowers in close head; excellent for edging rockwork or dry situations; 6 inches; April to June. Pkt. 10c; 1/4-oz. 50c

AQUILEGIA

(Columbine)

Hardy perennials; are most elegant plants and invaluable for cutting or as hardy border flowers; beautiful and graceful; June to September. 2 to 3 feet. (See cut.)

LONG SPURRED.—Superb mixture of all the most desirable shades. Pkt. 15c; 1/4-oz. $1.00

SINGLE, FINEST MIXED. Pkt. 10c; 1/4-oz. 60c

DOUBLE, FINEST MIXED. Pkt. 10c; 1/4-oz. 60c

CHRYSANTHA.—Golden yellow. Pkt. 15c; 1/4-oz. $1.00

COERULEA.—Violet blue and white. (Rocky Mountain Columbine.) Pkt. 15c; 1/4-oz. 75c

NIVEA GRANDIFLORA.—A beautiful, large, pure white. Pkt. 10c; 1/8-oz. 40c

FOR PERENNIAL PLANTS SEE PAGE 73.

AUBRIETA

(Rainbow Rock Cress)

A beautiful dwarf rock plant covered with sheets of bright flowers in spring and summer. Hybrid Mixed, large flowering. Pkt. 15c

BALSAM

(Lady Slipper)

Hardy annual, succeeding best in sunny situation, rich loam and moisture; very showy and of easy culture; 1 1/2 feet; July to September.

PRIZE MIXTURE.—This strain will produce the most perfectly formed double flowers in the greatest variety of colors. Pkt. 10c; 1/4-oz. 50c

BABY BREATH

See Gypsophila, pages 56-74.

BEAN

SCARLET RUNNER.—The well-known, rapid growing annual climber, with bright red flowers, from July to September; height 8 feet. Large Pkt. 10c; oz. 20c

Balloons Vines

CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer if cut often, excellent massing (see cut next page).

CROWN OF GOLD.—(Coronata Maxima.) A splendid cut flower, large, pure golden yellow. All season. Pkt. 10c; 1/4-oz. 35c

GOLDEN WAVE.—Yellow, with crimson-brown around the eye. Pkt. 10c; 1/4-oz. 25c

CRIMSON KING.—Rich, velvety crimson or garnet. Pkt. 10c; 1/4-oz. 35c

ROUGHEDGE PRIZE MIXTURE.—Showy new shades in all of the choicest varieties. Pkt. 10c; 1/4-oz. 75c

BELLIS

(Double English Daisy)

Popular spring and summer flowering perennial; fine for borders; height 4 inches. Easily raised from seed. Blooming season from April to September.

Double Mixed. Pkt. 10c; 1/4-oz. 50c

Longfellow.—Double pink flowers. Pkt. 25c

Snowball.—Free flowering; pure white. Pkt. 15c

GIANT ROSE, WHITE OR MIXED.—Mammoth in size; very rare. Give them rich ground. Pkt. 20c

BROWALLIA

An old favorite, hardy annual, profuse bloomer, covered with pretty single flowers all summer and fall; grows about 1 foot tall.

Elata Mixed.—Blue and white mixed. Pkt. 10c.

speciosa Major.—Ultramarine blue. Pkt. 25c.

Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

Perennial Flowers are rapidly gaining in favor. They are lasting and flower each year. You gain 1 year by buying our field-grown plants. See pages 73 to 80.
CASTOR OIL BEAN.—See Recinus, page 64.

CALCEOLARIA

Tender annual, a universal favorite for house culture; produces a mass of beautiful puffed, pocket-like flowers of brilliant self-colors and spotted. Our strains of Calceolaria is very fine.

Hybrid Grandiflora.—Mixed. Pkt. 25c

CALENDULA

(Pot Marigold)

Hardy annual; one of the most desirable garden flowers. The flowers are freely produced on long stalks; large, with flat, spreading rays; very showy; flowers the entire season; 12 to 18 inches. Excellent for cutting, beds or borders.

Double Finest Mixed. Pkt. 10c; ½-oz. 25c

LEMON QUEEN.—A select strain, large double flowers, sunflower yellow. Pkt. 10c; ½-oz. 25c

ORANGE KING.—Grandiflora.—An excellent strain; large, double flowers, rich dark orange. Pkt. 10c; ½-oz. 35c

CANARY BIRD VINE

A rapid-growing summer-climbing annual, 10 to 15 feet high; it will cover trellis work in the most graceful manner, producing hundreds of pretty winged, bright yellow flowers. Pkt. 10c; ½-oz. 35c

CANNA

A beautiful, large-leaved, showy flowering plant. Seed must be soaked before planting and started in a hot-bed under glass. (For Canna Roots, see page 91.)

CROZY’S HYBRIDS MIXED. Pkt. 10c; oz. 50c

CAMPANULA

(Bellflower)

PERSICIFOLIA (Peach Bells).—One of the finest of perennial Bellflowers; grows 2 to 3 feet high; pendulant single flowers. Blue, White or Mixed. Pkt. 10c; ¼-oz. 1.00

CARPATICA (Carpathian Hare-Bell).—Freely good for edging or rockeries. (Plants, page 84.) Blue or White. Pkt. 10c; ½-oz. 75c

CANTERBURY BELLS

(Campanula Medium)

Very ornamental garden plants of easiest culture; excellent for cutting; hardy biennial; 2½ feet high, producing upright, bell-shaped flowers of exquisite colors. (See Plants, page 73.)

Medium Single White, Blue, Rose or Mixed. Pkt. 10c; ½-oz. 45c

Double Mixed, all colors. Pkt. 10c; ¼-oz. 50c

CALYCANTHEMA.—(Cup and Saucer Canterbury Bells.)—Beautiful and popular variety.

Calycanthema, Pink, Lilac Blue or White. Pkt. 15c; 2 for 25c; ¼-oz. 75c

Calycanthema, Mixed Colors. Pkt. 10c; ½-oz. 60c

R. R.’s PRIZE MIXTURE.—A mixture which contains every color and kind of both single and double biennial and perennials. Pkt. 10c; ½-oz. 50c
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

CANDYTUFT
(Iberis)

Very popular free-flowering annual, fine for beds or cutting; 1 foot. June to frost if sown early and late.

EMPRESS.—A large-flowered variety of purest white; grown extensively for cut flowers; very desirable. Pkt. 10c; ¼-oz. 35c

PINK, CRIMSON OR LAVENDER.—Very desirable colors; your choice. Pkt. 10c; ¼-oz. 35c

FINEST MIXED.—All colors. Pkt. 10c; ¼-oz. 25c

DWARF WHITE LITTLE PRINCE.—Grows but 6 inches high and throws up strong trusses of pure white flowers; excellent for edging or bordering. Pkt. 10c; ¼-oz. 40c

SEMPERVIRENS.—Perennial; pure white flowers, evergreen foliage; blooms in June; fine for edging, borders and rockeries; 1 foot. Pkt. 15c; ½-oz. 35c

CARDINAL CLIMBER

This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of 25 feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters of 5 to 7 blooms each. Like all "Ipo-moeas," it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1. Pkt. 15c; 2 Pkts. 25c; ½-oz. 75c

CARNATION

Everyone loves Carnations. For started plants of the finest named varieties, see page 71.

MARGARET CARNATIONS.—The earliest to bloom, and producing large, double, sweet-scented flowers; being half-hardy perennials, if they are slightly protected during the winter they will survive and flower profusely the next spring. Red or White.—Large flowers. Pkt. 15c; ¼-oz. $1.00

Choice Mixed. Pkt. 10c; ¼-oz. 60c

CELOSIA CRISTATA
(Cockscomb)

Showy, half-hardy annuals of easy cultivation; 1 foot; producing large, brilliant, comb-like flower heads.

Glasgow Prize.—Showy, dark crimson comb. Pkt. 10c; ¼-oz. 60c

Finest Mixed.—Rich mixture of finest dwarf kinds. Pkt. 10c; ¼-oz. 40c

Candle Plumosa
(Feathered Cockscomb)
The plant grows 2 to 3 feet, is of handsome pyramidal form, and the numerous massive plumes, which resemble an ostrich feather waving gracefully above the foliage, make it one of the most effective; of easy culture. Half-hardy annual.

THOMPSONI MAGNIFICA.—The most perfect feathered variety. July to November. Pkt. 10c; ¼-oz. 60c

CERASTIUM
(Snow In Summer)

TOMENTOSUM.—A very pretty dwarf white-leaved edge or rock plant, bearing small white flowers. Hardy, perennial. Pkt. 15c
COSMOS

Beautiful autumn-blooming plants. They produce thousands of beautiful flowers, furnishing an abundance of cut blooms for autumn decorations. Can be sown in spring in the open ground, when danger of frost is past, or if wanted early the seed should be started under cover and afterwards transplanted. Set plants not less than 18 inches apart. They prefer a soil rather light and not too rich, but do well almost anywhere.

NOTE.—Too much fertilizer and water will make all foliage and few flowers. (Plants, 80c per doz. postpaid in May.)

Double Crested Extra Early

A new Cosmos of merit. "Double Crested" is unique and exceedingly pretty. Flowers are of good size, with full double centers, surrounded by a row of graceful ray petals. Very dainty and attractive (see illustration). The plants are vigorous, branching and well covered with blooms from September until frost. We offer and improved, selected, extra early strain of this variety. Start early and transplant 2 feet apart. Rather poor, light soil, no fertilizer and little water will give earlier blooms.

Pink Beauty, Crimson King or White Queen or Mixed.

MAMMOTH EARLY FLOWERING.—A grand improvement over the first early flowering Cosmos introduced. "Early Mammoth" will give you a profusion of very large, graceful, long-stemmed flowers that will come into bloom in July and last until frost if planted early and given good care.

Early White, Pink, Crimson or Mixed.

GIANT PERFECTION.—Very large and perfect flowers often 3 to 4 inches across; plants 5 to 6 feet high. Blooms late.

Giant Mixed.

LADY LENOX.—Giant flowers, free bloomer, flowers shell pink.

CULTURAL DIRECTIONS FREE.—Our 2-page leaflet gives full instructions on growing flowers from seed. Free on request. Read it and be successful.

COREOPSIS

(Lanceolata Grandiflora)

Hardy perennial, with large, showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants, having long stems and lasting in good condition a week or more. Easily grown from seed, flowering the first year, if sown early under glass. (Plants, page 73.)

Pkt. 10c; 1/8-oz. 35c

CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, flowering from July to frost; excellent for cutting; height 2 feet. (For plants, see pages 71-73.)

Single Annual, Finest Mixed.

Double Annual, Finest Mixed.

LEUCANTHEMUM.—(See Shasta Daisy under Daisies, page 53; Plants, page 76.)

CINERARIA

(Hybridi Grandiflora)

We pride ourselves in offering the choicest strain of this gorgeous flower; grand, large blooms in umbel spikes are borne way above the foliage; colors and markings are superb; 11/2 feet; tender annual; start under glass, pot and keep inside for pots. Pkt. 35c

CLARKIA

This easily grown, hardy annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities. They do well either in sun or shade, growing 2 feet high, with leafy racemes of bright, pretty double flowers. Fine for cutting or masses in beds.

SEPARATE COLORS.—Double White, Crimson or Salmon Pink.

ELEGANS DOUBLE MIXED.

Cultural Directions Free—Our 2-page leaflet gives full instructions on growing flowers from seed. Free on request. Read it and be successful.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

COBEA SCANDENS

Our most popular and rapid climbing annual, flowering the first season. Pretty, purple, bell-shaped flowers appear in great profusion during the fall months; foliage very graceful; 10 to 15 feet. Start seed under glass. (Plants in May, 25c each.)

Pkt. 10c; 1/4-oz. 35c

COLEUS

Beautiful foliage plants for house or garden. Easily raised if started early under glass.

HYBRIDA CHOICE MIXED.—Best strain.

Pkt. 25c

CHINESE WOOLFLOWER

A new annual flower. Very showy, odd and novel. The bunches of wool-like glowing crimson flowers are produced in profusion. Flowers come early and do not fade until hit by frost. Height 2 to 3 feet. Start early and transplant after danger of frost is over. A large bed of these plants certainly produce a magnificent display and will be a dazzling blaze of color from early until frost.

Pkt. 10c; 1/4-oz. 75c

CYPRESS VINE

A fast-growing annual vine, with feathery dark-green foliage and star-like flowers, July to October; 20 feet. Plant early in light soil and warm location.

Finest Mixed.

Pkt. 10c; 1/4-oz. 35c

DAHLIA

This very popular flower can easily be raised from seed; started inside in March will produce flowers in August.

CACTUS MIXED.—Double flowers with pointed or twisted petals.

Pkt. 25c

DOUBLE FINEST MIXED.—Produce flowers of the "Show" or "Decorative Class."

Pkt. 15c

SINGLE GIANT PERFECTION.—Single flowers of great size and beauty.

Pkt. 10c

DAHLIA BULBS.—Latest and best. (See pages 88 to 91.)

Pkt. 15c; 1/8-oz. $1.00

DAISIES

SHASTA DAISY.—Very popular and desirable perennial; the large single white flowers are freely produced on long stems. We offer you the best strain in plants or seed.

Pkt. 10c; 1/4-oz. 50c

DIANTHUS—PINKS

(Garden Pink)

All varieties listed below are very desirable, and will flower the first season, even sown out of doors in May; they flower early and continue throughout the entire summer; they are excellent for cutting, and bedding; 1 foot.

CINENSIS (Chinese Pink).—Large, showy flowers in unlimited variety of bright colors.

Pkt. 10c; 1/4-oz. 50c

HEDDEWIGI.—(Japan Pink.) Beautiful rich colors. A very popular variety.

Finest Mixed.

Pkt. 10c; 1/4-oz. 50c

FIREBALL.—New, extra double, brilliant, dark scarlet; very beautiful.

Pkt. 10c; 1/4-oz. 50c

SNOWDRIFT (Lancinatuse).—Extra large, pure white, double, fringed. Fine for border.

Pkt. 10c; 1/4-oz. $1.00

PRIZE MIXTURE.—Very rich mixture, all kinds. Unequaled.

Pkt. 10c; 1/4-oz. 75c

SEMPERFLORENS (Perennial Hardy Ever-blooming Garden Pinks).—Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors.

Pkt. 15c; 1/4-oz. $1.00

DIDICUS—"Lace Flower"

Hugelia Coerulea

A rare and lovely free-flowering half-hardy annual, growing about 18 inches high and branching nicely. Flowers light blue or lavender, very dainty and beautiful. The bloom is a cluster of tiny petaled flowers, quite full to the center, the pistils giving the appearance of dainty lace. Florists grow it under glass for cut flowers. Plants set in the garden bloom from June until late fall. A new flower here, but a native of Australia. The seed is very slow to germinate, hardy, and can be planted very early. (See cut.)

Pkt. 15c; 1/8-oz. $1.00

A HEDGE of Free Flowering Dahlias is AS BEAUTIFUL and more showy than a hedge of ROSES. They are in full bloom when other flowers ARE SCARCE. See pages 88 to 90.

Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies
DELPHINIUM
(Perennial Larkspur)

(See cut, page 85.) Handsome, hardy perennial plants for the herbaceous border and shrubbery, producing a profusion of splendid spikes of flowers throughout the summer. The beautiful, graceful, long-stemmed flower spikes make handsome bouquets and last well when cut. If started early will bloom the first season from seed. (For large plants for quick effect, see page 71.)

R. R.'s PRIZE MIXTURE.—Superb Gold Medal collection of choicest hybrids; new, rare and beautiful shades. Wonderful for cut flowers and should be planted generously.

Pkt. 15c; 1/4-oz. 75c

BELLADONNA.—Very free and continuous bloomer; delicate and beautiful; clear light blue, large flowers, 4 feet.

Pkt. 25c; 1/4-oz. $1.25

SELLAMOSUM.—This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities.

Pkt. 25c; 1/4-oz. $1.00

CHINENSE (Blue Butterfly).—A distinct and neat variety growing about 18 inches high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue.

Pkt. 15c; 1/4-oz. 50c

CARDINALE.—Brilliant scarlet. Pkt. 25c

New English Delphiniums

Wonderful Spikes of Rare Colored Giant Flowers

Blackmore & Langdon of England have become the most celebrated growers of Delphiniums. They have rightfully earned the greatest number of AWARDS or MERIT given for Delphiniums in the exacting English Flower Shows, for they have opened the door to the tremendous possibilities of this exquisite blue perennial; they have brought a new conception of what Delphiniums ought to be in size and greater range of color in unbelievable blues; they have shown what gratifying, practical results can be obtained through the Delphinium specialist power to add delightful color, stately beauty and intriguing interest to either the charming little garden or formal arrangement of large grounds.

The seed we now offer our customers is not direct from England, but superior; it's Oregon grown, acclimated and high in germinating power; gathered from only the "cream" of over a hundred named kinds by our grower, who has specialized for years on Delphiniums, devoting most careful attention to trying out "various" prize-winning, world-famous varieties. Every plant that cannot stand a rigid test for vigorous, healthy growth, perfection and giant size and beauty of flower is pulled up and destroyed so as to leave only the choicest, rarest and most charming, from which our seed has been carefully hand picked and blended. We offer it as

ROUTLEDGE'S PRIZE WINNING ENGLISH GIANTS MIXED. Pkt. 100 seeds, 50c; 3 pkts., $1.25.

NOTE.—We offer no named varieties, as these delphiniums do not come true to parent stock. Divided roots is the only safe method.

For plants, see page 74.

DIMORPHOTHECA
(African Daisies)

Some produce single flower, others semi-double, ruffled or fluted; some have compact spikes, others more spreading and open. Most all show interesting bee-shaped centers, often of contrasting colors. After the center spike is through blooming, cut it out and the little side shoots will bloom nicely.

Pocatello, Idaho, June 18, 1927.

Routledge Seed & Floral Co.

Dear Sirs: My order has been received in full and everything in excellent condition. I am well pleased.

MRS. MARIE JOHANSEN.
**DIGITALIS**  
*(Foxglove)*

Hardy perennials; very desirable for effective massing or grouping; invaluable either in the hardy border, between shrubs or in solid beds in open or shady places; to 5 feet. For strong field-grown flowering plants, see page 74.

**GLOXINA EFLORA.**—A fine strain with handsome spotted gloxinia-like flowers.

- **White, Purple, Rose or Mixed.**  
  Pkt. 10c; 1/8-oz. 35c

- **GRANDIFLORA YELLOW.**—Light yellow in good spikes.  
  Pkt. 10c; 1/8-oz. 40c

- **MONTROSA (Mammouth Foxglove).**—The tall spikes of flowers are surmounted by one monstrous bloom; all colors mixed.  
  Pkt. 10c; 1/8-oz. 40c

- **BEAUTY MIXTURE.**—A grand mixture of all kinds, colors and shades.  
  Pkt. 10c; 1/8-oz. 50c

**ESCHSCHOLTZIA**  
*(California Poppy)*

One of the most popular garden annuals; 1 foot. Sow the seed where plants are to remain in the fall or early spring. It stands considerable cold and blooms early, profusely and continuously until July. Later sowings for late flowers. (See cut.)

- **NEW HYBRIDA GRANDIFLORA MIXTURE.**—This is a wonderful mixture of all the new colors and novelties in the erect large flowering Eschscholtzia. You will find a large percentage of soft pink, scarlet, copper-red, cream, claret, royal purple and other rich and rare tones.  
  Pkt. 15c; 2 for 25c; 1/4-oz. 40c

- **CALIFORNICA.**—Bright yellow.  
  Pkt. 10c; oz. 40c

- **ALBA.**—Pure white.  
  Pkt. 10c; oz. 40c

- **CARMINE KING.**—A beautiful rose carmine.  
  Pkt. 10c; 1/4-oz. 25c

- **GOLDEN WEST.**—Very large, bright yellow flowers with orange centers.  
  Pkt. 10c; oz. 40c

- **FINEST MIXED.**—All shades.  
  Pkt. 10c; oz. 40c

**ECHINOCYSTIS LOBATA**  
*(Wild Cucumber)*

The fastest-growing annual vine in existence; will grow 20 feet in six weeks; pretty foliage and inconspicuous white flowers; soak seed in water over night before planting in dry weather.  

Pkt. 10c; oz. 25c

**GAILLARDIA**  
*(Blanket Flower)*

Splendid, showy plants for beds or borders: excellent for cutting; the hardy perennial varieties; if sown early will bloom the first season; July to frost; 11/4 feet. Field-grown plants, page 74.

**GRANDIFLORA SUPERBA.**—Hardy perennial, splendid mixed single varieties in crimson and gold.  
Pkt. 15c; 1/8-oz. 40c

**LORENZIANA.**—Hardy annual; double flowers in red and yellow shades.  
Pkt. 10c; 1/8-oz. 25c

**ERYTHRONIUM**  
*(Dog's Tooth)*

- **DWARF.**—A pretty little cluster of white flowers on a 6-inch stem.  
  Pkt. 10c; oz. 40c

- **EASTER.**—Shades of white, yellow, and pink.  
  Pkt. 10c; oz. 40c

**GERANIUM**

**ZONALE, MIXED.**—A superb strain of the largest and finest varieties. Should be started indoors and transferred to the open in May or June.  
Pkt. 25c

**GOURDS**

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful.

**CALABASH.**—The famous pipe gourd, dipper shaped.  
Pkt. 10c; oz. 40c

**EGG, HERCULES, DISH CLOTH, PEAR OR MIXED, ALL KINDS.**  
Pkt. 10c; 1/4-oz. 15c

**GOMPHRENA**  
*(Globe Amaranth)*

A dwarf hardy annual, with pretty clover-like beads of purple, white and red flowers; 2 feet; flowers everlasting.  

**FINEST MIXED.**  
Pkt. 10c; 1/8-oz. 25c

**MORE HARDY FLOWERING SHRUBS** should be planted in the West—they give no trouble, increase in size and grow more beautiful year by year.
GYNERIUM
(Pampas Grass)

ARGENTEUM.—Hardy perennial; the famous Pampas Grass, with beautiful silvery plumes; 10 feet. Pkt. 10c

GYPSOPHILA
(Baby's Breath)

GYPSOPHILA
(Angel-Baby's Breath)

Pretty free-flowering, elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. The annuals should be sown early in the spring, again in midsummer for a continuous supply.

ELEGANS ALBA GRANDIFLORA.—Hardy annual, easily grown from seed; flowers small, pure white; 2 feet; June. Pkt. 10c; 1/4-oz. 25c

PARIS MARKET.—GRANDIFLORA ALBA. Improved variety of above with larger, pure white flowers. Pkt. 10c; 1/4-oz. 30c

ELEGANS ROSEA GRANDIFLORA.—Hardy annual; flowers delicate pink; very dainty. Pkt. 10c; 1/4-oz. 35c

ELEGANS CARMINEA.—A recent introduction of a deep carmine. Annual. Pkt. 10c; 1/4-oz. 35c

MURALIS.—Hardy perennial; plants dwarf, about 6 inches; flowers shell pink; fine for borders or rock work. Pkt. 10c; 1/4-oz. 25c

PANICULATA.—Hardy perennial; one of the finest for cutting; pure white flowers, very small, and borne in large, delicate sprays; June to September; 3 feet. Pkt. 10c; 1/4-oz. 25c

PANICULATA FL. PL.—New, double-flowering. White. (For strong roots of G. Paniculata for immediate effect, see page 74.) Pkt. 25c; 3 for 80c

HELIANTHUS
(Sunflower)

Hardy annual Sunflowers are indispensable for cutting and a bright display of yellow flowers in the garden. Plant early.

CUCUMERIFOLIUS— STELLA (Improved Miniature Sunflower). Grows about 3 feet tall, covered with pretty single flowers of the purest golden yellow, with black disc. Fine for cutting. Pkt. 10c; 1/4-oz. 35c

NEW MINIATURE MIXED.—A multitude of new varieties. They all differ from the parents, most of them being larger, and many with curiously twisted petals. The prevailing colors are pale yellow, golden yellow and creamy white, some with black centers, and all beautiful; for cutting they are indispensable. Pkt. 10c; 1/4-oz. 35c

GLOBOSUS FISTULOSUS (Globe or Dahlia Sunflower). Flowers large, double, very full in the center, and of a rich saffron color; 6 feet; annual. Pkt. 10c; 1/4-oz. 25c

PERENNIAL MIXED.—A choice mixture of the best perennial varieties. Pkt. 15c; 1/8-oz. $1.00

HELENIUM
(Helium)

Hardy perennials, bearing in profusion during summer and fall, beautiful flowers for display or cutting. (Plants, page 74.)

Autumnale Superbum.—Massive spreading heads of deep golden yellow flowers; 5 feet. Pkt. 10c

Riverton Beauty.—Rich lemon-yellow with purplish black cone. (4 feet.) Pkt. 10c

Riverton Gem.—Old gold changing to wall flower red. Admired by all. (4 feet.) Pkt. 10c

HELICHRYSUM
(Straw Flower)

Monstrosum Fl. Pl.—One of of the best "Everlastings." Make a fine display in the garden. Especially grown to dry and use in baskets and vases through the winter. When half open cut, strip off all leaves and hang head downward in a dark, dry place until cured; plant 12 inches apart; hardy annuals; 2 1/2 feet. Pkt. 10c

Fireball, Goldenball, Salmon Queen, Silverball or Double Mixed. Pkt. 10c; 1/4-oz. 35c
HOLLYHOCK

One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers, it is without equal. Seed sown any time during late summer will produce fine plants for flowering the next year.

CHATER'S DOUBLE.—Our superb strain of this is the best that can be produced; seeds saved from the most double flowers.

White, Rose, Crimson, Yellow, Salmon Rose or Mixed.
Pkt. 10c; ¼-oz. 75c

NEWPORT PINK.—New. The finest pure pink variety, exquisite in shade, flowers double.
Pkt. 15c; ½-oz. 40c

ALLEGHENY.—Semi-double; mammoth flowers, having the edges of the petals finely fringed and lacinated; will bloom the first year it sown early.

Choicest Mixed.
Pkt. 10c; ¼-oz. 60c

NEW ANNUAL EVER-BLOOMING.—Seeds sown in the house in March will produce flowers in July on plants 4 feet high; however, the plants do not attain their perfection until their second year, when they grow 8 to 10 feet high, and flower continuously from June till frost.

Single Mixed.
Pkt. 10c; ¼-oz. 50c

Double Mixed.
Pkt. 15c; ½-oz. 75c

HUMULUS (Japanese Hop)

Hardy annual climber; of rapid growth; attains a height of 12 feet.

JAPONICA VARIEGATA.—Foliage green and white; very pretty and effective; not affected with insects.
Pkt. 10c; ½-oz. 35c

ENGLISH HOP ROOTS. Pg. 98. Each 15c

JOE'S TEARS

COIX LACHRYMAE.—Ornamental grass, producing curious seeds which are dried and used for beads. Annual; 2 to 4 feet.
Pkt. 10c; oz. 20c

KOKHIA

SUMMER CYPRUS or BURNING BUSH.—Annual; forms dense bushes of upright plumage-like foliage; during the summer they remain light green and in early fall they change to Carmine and blood red; 2 feet; make a dainty and showy hedge or nice single specimens.
Pkt. 10c; ¼-oz. 35c

KUDZU VINE (Pueraria Thumbergiana)

A twining vine of remarkably rapid growth, attaining a length of from 40 to 50 feet in one season from established roots; a hardy perennial, though the vine dies down every winter in the North. Foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. A fine vine for arbors, verandas, etc. Easily grown from seed.
Pkt. 10c; ¼-oz. 50c

LARKSPUR—Annual

Unsurpassed by any other hardy annual. Seed sown in the open ground in April or May will produce flowers from July to frost. Their free, graceful habit and lovely bright flowers are very effective for beds or borders. Charming cut flowers for decoration.

TALL DOUBLE STOCK FLOWERED.—The finest tall branching variety with splendid sprays of beautiful flowers; 3 feet. White, Pink, Lustrous Carmine—Sky Blue, Dark Blue or Mixed. All colors. Pkt. 10c; ¼-oz. 50c

EXQUISITE.—New, a beautiful soft pink. A charming new shade that will be highly prized by florists.
Pkt. 15c; ¼-oz. 35c

TALL HYacinTH—FLOWERED. The flowers are very large, double, and come in the most beautiful colors. The tall, handsome spikes of flowers are produced early in the season. Excellent for bouquets.

Finest Mixed.
Pkt. 10c; ¼-oz. 40c

DOUBLE DWARF ROCKET—1 foot; compact growing bush, splendid spikes of double flowers in all colors.

Mixed.
Pkt. 10c; ¼-oz. 40c

EMPEROR.—Slender spikes of exquisite double flowers in unlimited quantity and of delicate shades; 2 feet.

Mixed.
Pkt. 10c; ¼-oz. 40c

PERENNIAL LARKSPUR.—(See Delphinium, page 54; plants, page 74.)

LATHYRUS LATIFOLIOUS

PERENNIAL SWEET PEA.—Free flowering, hardy perennial climbers, bearing beautiful flowers all season.

White or Pink.

Pkt. 15c; ¼-oz. 75c

Mixed.
Pkt. 10c; ¼-oz. 50c

REMEMBER, WE ARE PORTLAND HEADQUARTERS FOR PET STOCK FOODS, REMEDIES AND SUPPLIES. CATALOG AND BOOKS ON REQUEST.
LOBELIA

Lobelia Plants in April and May at 50c doz. postpaid.

ERINUS GRACILIS.—Trailing, excellent for vases, hanging baskets and window boxes. Bright blue flowers. Pkt. 10c; ½-oz. 35c

SPECIOSA.—Trailing, true dark blue flowers, with dark foliage. Pkt. 10c; ½-oz. 40c

HYBRIDA SAPPHIRE.—A beautiful trailing Lobelia, very large, deep sapphire blue flowers, with a large and clear white eye; very free flowering; extra long trailer. Pkt. 15c; ½-oz. 75c

CRYSTAL PALACE COMPACTA.—Little dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; height 4 inches.

WHITE GEM.—Compact little plants, covered with snow-white flowers.

CARDINALIS (Cardinal Flower).—Hardy perennial garden plant, with spikes of deep cardinal red flowers; August and September; 3 feet. Pkt. 15c; ½-oz. $1.00

LINUM

(Flowing Flax)

GRANDIFLORUM RUBRUM (Scalet Flax).—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 1 ft.

LUPINUS

Ornamental, free-flowering, easily grown, with long, graceful, upright spikes of rich and variously colored pea-shaped flowers; valuable for mixed borders and beds.

ANNUAL TALL MIXED.—Valuable for cutting; 2 feet. Pkt. 10c; ½-oz. 35c

POLYPHYLLUS MIXED.—Showy perennials, growing stout and erect; good for cutting; flowers in white, rose and blue colors; 3 feet; May and June. Pkt. 10c; ½-oz. 35c

GLADIOLI BULBS make a beautiful display when in bloom and are of the easiest culture and really not expensive, as they multiply rapidly. See pages 84-85-86.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

MARIGOLDS

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective.

Plants.—Choice plants in May at 60c doz. postpaid.

TALL AFRICAN, DOUBLE. — (See cut.) Splendid for cutting and decoration; 3 feet. Orange Prince.—Enormous double flowers of rich deep golden orange.

Pkt. 10c; ¼-oz. 25c

Lemon Queen.—Extra large double flowers of a clear canary yellow.

Pkt. 10c; ¼-oz. 25c

Eldorado.—Double flowers of large size in all shades of yellow.

Pkt. 10c; ¼-oz. 40c

Tall African Double Mixed.—All shades.

Pkt. 10c; ¼-oz. 35c

DWARF FRENCH. — These form small, compact bushes about 12 inches high, covered with smaller but very rich colored flowers. Dwarf Golden Ball.—Flowers ball-shaped, pure golden yellow.

Pkt. 10c; ¼-oz. 30c

Dwarf Dark Brown.—Rich reddish-brown or mahogany; double.

Pkt. 10c; ¼-oz. 35c

Dwarf Striped.—Very double, mahogany red, striped with gold. Very attractive.

Pkt. 10c; ¼-oz. 40c

Dwarf French Double Mixed.—All shades in solid and striped colors.

Pkt. 10c; ¼-oz. 35c

Dwarf French Single

Legion of Honor.—Golden yellow marked with velvety brown.

Pkt. 10c; ¼-oz. 30c

TALL FRENCH DOUBLE MIXED.—2 feet.

Pkt. 10c; ¼-oz. 25c

New Dwarf Marigold

SIGNATA PUMILA.—A miniature marigold flowering, compact little plant, 6 to 8 inches high and completely covered with single flowers which are bright yellow with a brown stripe down the center of each petal. Very striking for edgings. Planted with Lobelia. (See cut.)

Pkt. 15c; 2 for 25c

MESEMBRYANTHEMUM

Dwarf trailing plants of great beauty blooming the whole summer, thriving best in a dry, loamy or sandy soil; half-hardy annuals; 12 to 15 inches.

TRI-COLOR.—Very dainty, pointed petaled, brilliant salmon-pink flowers.

Pkt. 15c

CRYSTALLINUM (Ice Plant).—Flowers white, prized for its singular icy foliage.

Pkt. 15c

MYOSOTIS

(Forget-Me-Not)

Few spring flowers are more admired than the lovely Forget-Me-Not, which are especially effective when grown in masses. Hardy perennials if given slight protection through the winter.

Seed may be sown any time from spring till mid-summer. The Alpestris and Dissitiflora come into bloom in April, and are largely used for bedding between plantings of Dutch flowering bulbs. The Palustris sorts do not bloom till May, but continue till fall. (Perennial plants, page 74.)

DISSITIFLORA.—Rich blue; early flowers in fine sprays; 6 inches.

Pkt. 15c; ¼-oz. $1.50

ALPESTRIS VICTORIA.—Of bushy habit; bearing large, double, bright blue flowers; yellow eye; very fine; 6 inches.

Pkt. 10c; ¼-oz. $1.00

ALPESTRIS ROYAL BLUE.—Rich indigo blue; 6 inches.

Pkt. 15c; ¼-oz. $0.75

FINEST MIXED.—A mixture of blue, rose and white varieties.

Pkt. 10c; ¼-oz. 40c

PALUSTRIS SEMPERFLORENS.—Perennial; flowers bright blue; blooms from early spring until autumn.

Pkt. 15c; ¼-oz. $1.00

BEAUTIFUL LILIES—You will find the most popular as well as new and rare varieties on pages 78 and 82-83. PLANT MORE.
**Morning Glory**

**MARVEL OF PERU**

*Four o'Clock*

Hardy annual, flowering from July to October; brilliant colors; 3 feet.

Finest Mixed.  
Pkt. 10c; oz. 35c

**MOONFLOWER—Ipomoea**

**GRANDIFLORA ALBA**—Large, heart-shaped leaves, and large, pure white flowers, which open only late in the evening; 10 feet.

Pkt. 10c; oz. 35c

**MORNING GLORY**

*(Ipomoea)*

The tall varieties are popular, well known, rapid-growing climbers of the easiest cultivation; very fine for covering arbors, trellises, porches, etc.; give them rich soil and a warm situation. The Minor or Dwarf varieties flower very freely.

**CONVOLVULUS MAJOR**.—Tall, choice, single mixed; all colors.  
Pkt. 10c; oz. 35c

**CONVOLVULUS MINOR**.—Dwarf mixed.  
Very spreading; 12 inches.  
Pkt. 10c; oz. 35c

**IMPERIAL JAPANESE FRINGED**.—These have very large fringed flowers in a great variety of the most exquisite colorings; handsome foliage.  
Pkt. 10c; oz. 50c

**CHOICE PRIZE MIXTURE**.—This is a mixture of both American and Japanese varieties; very choice.  
Large Pkt. 10c; oz. 50c

(Note.—Soak the Japanese Morning Glory seed in warm water for 24 hours before planting.)

**NEMESIA**

**GRANDIFLORA COMPACTA TRIUMPH**.—A very pretty, half-hardy, free-flowering annual; the plants grow about a foot high and the beautiful, dainty flowers are very varied in color, including rose, yellow, blue, orange, etc. An ideal bedding plant. Seed sown in the autumn makes beautiful pot plants for early spring blooming.

Mixed Colors.  
Pkt. 10c; 1/4-oz. 75c

**NICOTIANA**

One of the easiest annuals to raise and one of the most effective. The flowers are long tubed, star-shaped, and are produced in great profusion. The flowers open toward evening and emit a powerful perfume.

**AFFINIS**.—Delightfully sweet-scented, pure white flowers, blooming continually; 2 to 3 feet.  
Pkt. 10c; 1/4-oz. 25c

**AFFINIS HYBRIDA**.—Splendid hybrids in blue, red and rose, etc., shades.  
Pkt. 10c; 1/4-oz. 30c

**SANDERÆ**.—Of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rose carmine flowers; all-summer valuable border plant; 3 feet.  
Pkt. 10c; 1/4-oz. 30c

**NIGELLA**

*(Love in a Mist—Devil in the Bush)*

A compact free-flowering plant with finely cut foliage and pretty feathery flowers; hardy annuals; blue and white; 1½ feet.

Double Mixed.  
Pkt. 10c; 1/2-oz. 15c

**MISS JEKYLL**.—A lovely variety with cornflower blue blossoms; splendid for cutting.  
Pkt. 10c; 1/2-oz. 25c

**NASTURTIUM—TALL OR CLIMBING**

The most popular and most beautiful free-flowering annual climbing vines. These are all of strong, vigorous growth, throwing out running shoots that can be trained upon strings or wires, or can be readily made to climb ordinary paling fences or wire netting. They are very showy also planted at the top of a steep slope and allowed to run down the bank. We offer only the finest strains, producing the largest and richest flowers.

Your choice, Pkt. 10c; full collection, 8 kinds, 50c; per oz., any kind, 25c.

Asa Gray.—Light yellow, almost white.  
Black Prince.—Velvety crimson, dark leaved.

Firefly.—Bright yellow, spotted cardinal red, calyx and spur ruby; very pretty and showy.

Golden Queen.—Sunflower yellow, very fine.  
Primrose.—Creamy yellow, very pleasing.

Princess Victoria Louise.—Cream white, scarlet spot.

Regina.—Beautiful light salmon.  
Spitfire.—Bright fiery scarlet.

**Tall Prize Mixture**

**Routledge Tall Prize Mixture**.—This is undoubtedly the finest mixture of tall nasturtiums offered anywhere; every shade is grown separately and then mixed; dark leaved.  
Large Pkt. 10c; oz. 25c; 1/4-lb. 60c

**Tall Choice Mixed**.—A very fine selection of beautiful varieties.  
Large Pkt. 10c; oz. 15c; 1/4-lb. 50c

**Ivy-Leaved, Finest Mixed**.—The ivy leaves, borne on very slender stems, are of a dark metallic color, which forms an a striking contrast to the beautiful flowers; an excellent variety for vases, hanging baskets, etc.  
Pkt. 10c; oz. 25c

**Variegated Queens**.—A new strain of tall Nasturtiums having beautifully variegated leaves; green, white and yellow; flowers large and of many bright colors.  
Superb Mixed  
Pkt. 10c; oz. 25c

**STI - M - U - PLANT**.—A Fertilizer in “tablet” form, is very convenient, clean and satisfactory way to supply necessary plant food. See page 39.
NASTURTIUMS—Continued

DWARF NASTURTIUMS

These are of dwarf, compact, rounded growth and are especially desirable for planting as borders to flower-beds or along garden walks. As with all Nasturtiums, they succeed best on light, well-drained soils or in slightly raised beds.

Aurora.—Terra cotta, reddish orange.
Beauty.—Yellow and scarlet, very pretty.
Bronze.—Reddish golden bronze, rich.
Crystal Palace Gem.—Rich yellow, spotted maroon.
Empress of India.—Dark scarlet, dark leaved.
Golden King.—Rich Indian yellow, dark leaved.
Vesuvius or Salmon Queen.—Salmon rose.

Price, all above Dwarf varieties, Pkt. 10c; Pulp Collection of 7 Pkts. 50c; per oz. 25c.

R. R.'s Dwarf Beauty Mixture

Composed of new and rare sorts; exceedingly brilliant and beautiful. A mixture of very lovely, true dwarf varieties.

Large Pkt. 15c; oz. 25c; ¼-lb. 60c

Choice Dwarf Mixed.—Not equal to above, but far superior to most mixtures.

Large Pkt. 10c; oz. 20c; ¼-lb. 50c

PORTULACA

Low-growing or creeping tender annual, six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant and gorgeous colors. The foliage and stems are thick. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground; excellent for embankments. Plants in May 60c. doz.

Single, Finest Mixed. Pkt. 10c; ¼-oz. 40c
Double, Finest Mixed. Pkt. 15c; ¼-oz. 75c

PERENNIAL FLOWERS are rapidly gaining in favor. MORE should be planted; they are beautiful in borders, beds or among shrubbery, and flower each year. See pages 73 to 80.
PETUNIA

One of our easiest cultivated and freest flowering annuals. Will succeed almost anywhere and give a continuity of the most brilliant bloom from June till killed by frost. Excellent for balcony or porch boxes. The strains we offer are the very choicest obtainable.

SINGLE VARIETIES

Ruffled Giants, Prize Mixture

Ruffled Giant Prize Mixture. — This strain produces in great profusion enormous flowers, having edges of petals beautifully ruffled and fluted; of great variety of colors, many being beautifully veined; unsurpassed for size and beauty.

Pkt. 35c; 1,000 seeds $3.00

New Fringed Hybrida

A lovely petunia with charming fringed flowers of exquisite forms and beautiful colors. Not equal in size to Ruffled Giant, but they are more delicate and really beautiful.

Pkt. 35c

LARGE-FLOWERED FINEST MIXED. Fine large flowers in superb mixture.

Pkt. 15c; ½-oz. $1.00

FINE FLOWERS. — An assortment of medium-sized flowers; fine for bedding.

Pkt. 10c; ½-oz. 50c

New—Separate Colors

PINK TRIUMPH—NEW. Of large size, beautifully ruffled, a clear, bright pink. A charming free-flowering variety.

Pkt. 35c

GIANT WHITE. — Unrivaled for beauty of texture and size. A glistening satiny white with yellow throat.

Pkt. 20c; 3 for 50c

ELKS’ PURPLE—GIANT single purple.

Pkt. 35c

PRIDE OF PORTLAND. — Beautiful fringed pink. Very popular local variety.

Pkt. 35c

BALCONY PETUNIAS. — A new and splendid free, large-flowering type for windows, baskets, vases or bedding.

Balcony, White, Rose or Deep Blue.

Pkt. 20c; 3 for 45c

ROSY MORN. — Soft carmine pink, with white throat. A wonderful bloomer and fine for beds or border.

Pkt. 10c; ½ oz. 75c

POPPIES — PAPAVER

Universal favorite of the easiest culture. They produce a wealth of the most beautiful and showy blooms. Both perennial and annual poppies bloom the first year from early-sown seed. Perennial varieties will, but annuals will not, transplant safely, therefore sow the annuals where they are to remain and thin out, giving each plant ample room to grow and develop.

FLANDERS. — The scarlet poppy of the fields of Flanders, made famous in the song and story of the great war and familiar to all members of the A. E. F. who served in Belgium and France. Remarkable for their tenacity of growth and their profuse flowering quality. Flowers satiny, crinkled, bright scarlet, nicely poised on slender stems. About the size of Shirley. Flower first season from early-sown seed.

Pkt. 10c; ½-oz. 25c

CARNATION FLOWERED (Annual). — Splendid double fringed flowers.

Mixed Colors.

Pkt. 10c; oz. 35c

SALMON PINK. — Lovely shade.

Pkt. 10c; oz. 35c

TALL PEONY FLOWERED. — Large, handsome, showy double globular flowers resembling a double Peony (annuals). We offer 2 beautiful colors, Shrimp Pink and Vermillion Red.

Pkt. 10c; ½-oz. 20c

SHIRLEY (Annual). — Charming poppies. Flowers single and semi-double, and range in color from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood-red, while many are daintily edged and shaded. The petals are like silk. Free-blooming and fine for borders or beds; 1½ to 2 feet. Mixed.

Pkt. 10c; ½-oz. 25c; oz. 75c

ANNUAL SUPERB MIXTURE. — A superior strain, containing the choicest of single and double varieties in all of the brightest colors.

Pkt. 5c; oz. 35c

CALIFORNIA. — See Escholtzia, page 55.

PLANT COLLECTION FOR HANGING BASKETS. — We will send a fine collection of two upright and six trailing plants for 75c postpaid.

Winchester, Ore., Oct. 30, 1926.

Dear Sirs: Giant Prize Mixture Petunias (seed) were truly wonderful. Had them in around 12-inch raised bed, completely covered.

MRS. MONROE NANCE.

DOUBLE PETUNIAS

All of our Double Petunias are selected with greatest care, and contain as large a percentage of double flowers as it is possible to obtain.

GIANT DOUBLE, FINEST MIXED HYBRIDS. — A new and exceptionally fine strain; unsurpassed for the large, beautifully colored double flowers.

Pkt. 50c; 500 seeds $3.00

GIANT DOUBLE MIXED. — Large fringed flowers of wonderful form and beauty. Quite true.

Pkt. 35c; 500 seeds $2.50

CHOICE DOUBLE MIXED. — Large per cent of double flowers.

Pkt. 25c; 500 seeds $2.00

New Fringed Hybrida

Old Fringed Hybrid

A lovely petunia with charming fringed flowers of exquisite forms and beautiful colors. Not equal in size to Ruffled Giant, but they are more delicate and really beautiful.

Pkt. 35c

Winchester, Ore., Oct. 30, 1926.

Dear Sirs: Giant Prize Mixture Petunias (seed) were truly wonderful. Had them in around 12-inch raised bed, completely covered.

MRS. MONROE NANCE.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

POPPY—Continued

Oriental Poppy

ICELAND, OR NUDICAULE (Perennial).—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 beautiful brilliant single flowers in endless profusion, and most useful for cutting. (For plants, see page 84.)

Yellow, White, Scarlet. Pkt. 10c; ¼-oz. 50c
Single Mixed.

Double Iceland Mixed. Very choicest strain, double flowers. Pkt. 15c; ¼-oz. $1.00

GIANT ORIENTAL POPPIES
Among hardy perennials these hold an unrivaled position for gorgeous effectiveness. Height 2 to 3 feet, flowers immense, often 6 inches across. Excellent cut for decoration. Plant in the open ground in June or July to bloom the following season.

Oriental Brilliant.—Bright scarlet, black spots at base of each petal. Pkt. 10c; ¼-oz. 75c

Oriental Princess Victoria.—A beautiful salmon-pink; wonderful flower. Pkt. 25c

Oriental Hybrids Mixed.—All colors. Pkt. 15c; ¼-oz. $1.00

Poppy Plants.—See page 75.

RUDBECKIA

BICOLOR SUPERBA.—Fine free-flowering annual; 2 feet; long stems, bright yellow double flowers. Pkt. 10c

FULGIDA (perennial).—Producing in masses during August and September brilliant orange-yellow flowers; 6 feet. Pkt. 10c

NEWMANI.—Perennial; large, bright orange-yellow flowers, dark centers. Pkt. 15c

Routledge Seed & Floral Co.,
Portland, Oregon.

Dear Sirs: I am very much pleased with your seeds and I have ordered of some other houses once or twice and have to order over and send to you. Now I always give you an order every year.

MRS. A. KINGMAN.

PLANTS.—Large flowering, choice pansy plants, ready very early in the spring. Can be safely sent by mail. Large plants in bud, 75c doz. postpaid.

GIANT PANSIES

This popular flower thrives best on a cool, moist, but well-drained soil enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming. The florists' method, though, is to sow in July or August, and protect the plants during the winter, and they will flower continuously early the following spring and summer.

ROUTLEDGE PRIZE MIXTURE.—For variety of markings, beauty of form, size and splendid texture, this superb strain cannot be excelled. Pkt. 25c; ¼-oz. $1.25

STEELE'S MATSODON.—This superb strain is famous among professional florists everywhere. Flowers rare and rich in colors and of giant size; Oregon grown.
Mixed. Pkt. 20c; ¼-oz. $1.00

GIANT TRIMARDEAU.—A popular bedding strain on account of the strong, sturdy plants and the enormous flowers in the greatest variety of colors.

CHOICE MIXED.—A fine bedding strain. Pkt. 10c; ¼-oz. 35c

New Giant Pansies, Separate Colors

Pkt. 15c; full collection of 10 pkts. for $1.25
Your choice of the following named varieties:

ADONIS.—Of huge size, light blue.

PRINCE HENRY.—Giant, splendid dark blue.

MADAME PERRIETT.—Distinct and beautiful type, edges filled; dark pink and red.

GRAND DUKE MICHEL.—Pure white.

MILLE. IRENE.—New. Tango red.

MILLE. ISABELLE.—Ruffled bronze-yellow.

VULCANO.—A rich velvety Burgundy red.

PANAMA PACIFIC.—A huge deep yellow, some pure yellow, others with dark eyes.

MADAME STEELE.—A giant royal purple.

BRONZE MATSODON.—Giant, all shades from bronze to old gold; wonderful colors.
Ricinus
(Caster Oil Bean)
A magnificent and highly ornamental plant, with picturesque foliage and stately growth combined with brilliant colored fruit of the giant varieties. Grown as single specimens on lawns and on pleasure grounds, they form a striking feature; hardy annuals.
Zanzibarenis, Mixed.—Very ornamental; dark bronzy green and red leaves; 8 to 10 feet high.
Pkt. 10c; oz. 35c
Sanguineus Tricolor.—Blood red stems, deep green leaves, with red veins; 6 feet.
Pkt. 10c; oz. 35c
Gibsoni.—New, dark red foliage; 5 feet.
Pkt. 10c; oz. 50c
Finest Mixed.—All kinds. Pkt. 10c; oz. 25c

Schizanthus
(Butterfly Flower)
Beautiful garden annuals; flowers charmingly fringed and delicately colored; 1 to 2 feet.
Grandiflora Mixed. Pkt. 10c; ¼-oz. 75c

Sagiglossis
Produces very showy, trumpet-shaped flowers of large size and rich, gorgeous colors; fine for beds and one of the pettiest cut flowers we have. Of easy culture and very popular; half-hardy annuals. 2 feet.
Exhibition mixture.—Large flowering, of the very choicest colors. Pkt. 10c; ½-oz. 60c
Strong plants in May. $1.00 dozen, postpaid
Special shades as follows: Purple and Gold, Scarlet and Gold, Velvety Red, White, Brown and Gold, Light Blue.
Pkt. 15c; ¼-oz. $1.00.
Plants mixed colors in May, 60c.

Salvia
(Scarlet Sage)
The Scarlet Sage has long been a favorite bedding plant, bearing long spikes of brilliant scarlet flowers in great profusion from July till frost; seed should be sown as early as possible, either indoors or in a hotbed, and the young plants transferred to their flowering quarters when the weather has become settled and warm. Plants in May 75c doz.
Splendens Compacta.—A splendid, showy variety, with large spikes of bright rich scarlet flowers; 3 feet.
Pkt. 10c; ½-oz. 50c
America—New.—Of dwarf, bushy, compact growth, very uniform, early and continuous bloomer. Flowers brilliant, rich scarlet. 1½ feet.
Pkt. 15c; ¼-oz. 75c
Bonfire.—Of bushy, compact growth. Flowers dark, rich scarlet, on spikes which stand clear of the foliage and attract attention at once; 2 feet.
Pkt. 16c; ½-oz. 60c
Zurich.—A splendid new dwarf, of special merit; early. Brilliant scarlet and very free- flowering; 1½ to 18 inches. A very popular variety.
Pkt. 15c; ¼-oz. 75c

Snapdragon

Sweet William
Hardy biennial, well known and very popular. The handsome, showy heads of brilliant flowers from June to September are very effective. (Large plants see page 76.)
Dark Crimson, White, Pink Beauty or Mammoth Single Mixed.
Pkt. 10c; ¼-oz. 50c
Double Mixed.—All colors.
Pkt. 10c; ¼-oz. 40c

How to Grow Flowers from Seeds.—Our two-page leaflet gives full information and is free on request.
Our Motto—“Highest Quality” Seeds, Bulbs, Plants and Supplies

GLADOLI BULBS make a beautiful display when in bloom and are of the easiest culture and really not expensive, as they multiply rapidly. See pages 84, 85 and 86.

SHAMROCK.

TRUE IRISH.

STATICE

Splendid hardy perennials, either for the border or rockery, producing all summer cloud-like panicles of minute flowers, which can be dried and used for winter bouquets. 2 feet. The new and improved varieties are very desirable and pleasing.

LATIFLORA.—(Perennial.) Deep blue.

SINUATA.—Annual Statice, in blue, rose or white.

TRITOMA

(RED HOT POKER)

Striking and exceedingly ornamental autumn flowering plant. Showy flower spikes, shaded red and yellow; 3 feet. (See cut and plants, page 85.)

THALICTRUM

Meadow Rice

These stately flowering plants should be more extensively planted on account of the beautiful, finely cut foliage and lovely flowers, one of the handsomest perennials in the entire list. Will do well in shady places.

DIPTEROCARPUM.—Buds resemble pearls opening into lovely lavender flowers with conspicuous yellow anthers.

GLAUSUM.—Fine cut glaucous foliage, bronzy-yellow flowers in June. (2 feet.)

AQUILEGIALBUM.—Elegant foliage and masses of feathery white flowers in June and July. (3 feet.)

HARDY PERENNIAL VARIETIES.

— Cau¬

Casic, soft blue, pkt. 15c. Japonica, lavender blue. pkt. 10c.

HARDY ANNUALS.

— Lavender, Rose, Yellow, Scarlet or White or Finest Mixed.

Pkt. 10c; ½-oz. 35c

BEAUTY OF NICE.—Popular with florists for cutting, flowers of large size, double, and freely produced; 2 feet.

Mixed.—All colors.

Princess Alice.—Double white.

Queen Alexandra.—Soft rosy lilac.

Beauty of Nice.—Delicate flesh pink.

Pkt. 15c

GLADOLI BULBS make a beautiful display when in bloom and are of the easiest culture and really not expensive, as they multiply rapidly. See pages 84, 85 and 86.
SWEET PEAS “Highest Quality” TRUE VARIETIES

NEW GIANT SPENCERS
1928 PRIZE COLLECTION

Collection Price, 12 New, Lovely Kinds (value $1.60), SPECIAL, $1.00, postpaid

MARY PICKFORD.—A beautiful dainty cream pink with just the faintest suffusion of salmon, making a color combination of delightful beauty. Flowers large, decidedly waved on long stems. A novelty of real merit.

Pkt. 15c; ½ oz. 40c; oz. 75c

HEAVENLY BLUE.—This is a charming shade of bright sky-blue. The flowers are large and of finest form and come freely on long stems. It is bright and harmonious when bunched.

Pkt. 15c; ½ oz. 35c; oz. 60c

EDNA MAY.—It is gigantic in size, exquisite in form and pure in color. By far the best white Sweet Pea today. It is black-seeded, insuring perfect germination. A vigorous grower, very free-flowering and a prize-winner.

Pkt. 15c; ½ oz. 35c; oz. 60c

WIZZARD.—A wonderful variety, a great producer of enormous, waved and frilled flowers that generally come four to the stem. The color is a rich, glowing, deep orange.

Pkt. 15c; ½ oz. 40c; oz. 75c

GLADUS.—New. A true, clear, lilac lavender of giant size and perfect form. There is nothing quite so rich in lavenders as this splendid variety.

Pkt. 15c; ½ oz. 35c; oz. 60c

MISS CALIFORNIA.—This beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most distinct and beautiful shade of rich pink, deeply flushed and shaded with salmon.

Pkt. 15c; ½ oz. 35c; oz. 60c

DERIANCE.—A great advance in its color class; a flower of great size and finest form. The color is an orange scarlet, a dazzling brilliant shade.

Pkt. 15c; ½ oz. 35c; oz. 60c

DAFFODIL.—At last a deep, rich, pure cream colored sweet pea of vigorous free-flowering qualities. Fine frilled flowers; very charming.

Pkt. 15c; oz. 50c

POWERSCOURT.—A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit. The one best pure lavender. Award of Merit from the National Sweet Pea Society of Great Britain.

Pkt. 10c; oz. 50c


Pkt. 10c; oz. 50c

HALMARK SCARLET.—This will please all who admire bright scarlet sweet peas. Flowers large, of perfect form and freely produced on long stems.

Pkt. 10c; oz. 50c

QUALITY and TRUENESS is what makes the price in Sweet Peas. Low prices never bought “HIGHEST QUALITY” Seeds. Read about “Snarol”—page 103.
Six 1928 Novelty Sweet Peas

Offered this year for the first time. All are free-flowering sturdy growers that will bring sunshine and happiness to sweet pea lovers. SPECIAL.—One pkt. each of the full collection of six for $1.20.

PINKIE.—A vigorous grower, continuous bloomer; long stems; giant flowers nicely waved and of a new, distinct and charming deep pink. Pkt. 25c

SUNKIST.—Large bold flowers, beautifully placed on long stems. At last a real good picotee edged, rich cream. Picotee edging is clearly defined. Pkts. only, 25c

HERO.—Flowers large, nicely waved on long stems, and of a new shade, cerise, brilliant and clear with a suffusion of rich salmon. Pkts. only, 25c

PRINCE OF ORANGE.—A rich, brilliant, deep orange, unsurpassed to date. When well grown and shaded it is a startling luminous flame color. Flowers large and of perfect form. Pkts. only, 25c

SNOWBALL.—A wonder in its class. Vigorous grower, long stems, beautifully frilled flowers of pure white, abundance of perfume; lasting qualities put this new novelty at the head of all white sweet peas. Stands out like a snow-capped mountain. Pkt. 25c; oz. $1.00

DEL MONTE (1927 Novelty).—A rich salmon cerise pink; large and bold wavy fluted petals. Does not sunburn. Under artificial light it is unsurpassed. Vigorous grower producing uniformly 4 giant, magnificent blooms to a stem. Won Award of Merit at Glasgow, Scotland, last July. Pkt. 20c; oz. 75c

Superb 1928 Collection Sweet Peas

SPECIAL.—One packet each of the following seven choice kinds—VALUE 75c, for 50c. Add 15c extra (total 65c), and we will include a 25c packet of R. R.’s Superb Mixture Giant Spencers (described below):

CONSTANCE HINTON.—Giant white of fine form. Hardy. Pkt. 10c; oz. 40c

MARGARET ATLEE.—Rich cream pink, beautifully frilled. Pkt. 10c; oz. 40c

HALMARK LAVENDER.—Beautiful, pale lavender, large flower. Pkt. 15c; oz. 40c

HALMARK PINK.—A rich pure pink of fine form. Pkt. 10c; oz. 40c

BARBARA.—Very popular. Beautiful rich orange. Pkt. 10c; oz. 40c

KING EDWARD SPENCER.—The most popular deep scarlet. Pkt. 10c; oz. 40c

ROYAL PURPLE.—A true rich purple of large size. Pkt. 10c; oz. 40c

R. R.’s Superb Mixture of Giant Spencer Sweet Peas

This is our own special mixture and is composed only of the best giant orchid-flowering wavy Spencer varieties. For healthy, robust growth, wealth of blooms, size of flowers and exquisite and rare colorings, this mixture is unequaled. ½-oz. pkts. 15c; oz. pkts. 25c each; 3 for 60c; 6 for $1.00.

R. R.’s Superb Mixture of Giant Spencer Sweet Peas

CUPID SWEET PEAS

Compact dwarf plants, seldom growing over 4 to 6 inches high. Flowers of good size and at the top of short, stiff stems. Your choice, named, pkt. 15c; oz. 50c.

LITTLE NELL.—Pink wings, white standard. Very early.

ROSBUD.—Vines not over 4 inches high; lovely creamy apricot-pink.

EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

This new class of Sweet Peas is the best for the florist to force under glass or for extra early flowers outside. They grow and flower earlier than the Giant Late Spencer. Excellent for sections where the season is late and short or very hot and dry. Plant early.

PRICES.—YOUR CHOICE, EXCEPT WHERE OTHERWISE PRICED, PKT. 15c, 2 FOR 25c; OZ. 50c.

Early Liberty.—Large, bright crimson.

Early Sweet Lavender.—A new pure lavender, giant flowers of beautiful form. Pkt. 25c; oz. $1.00

Early Morning Star.—Orange-scarlet; extra.

Early Peace.—Rose-pink on cream.

Early Snowflake.—Grand, pure white.

Early Torch.—A lovely orange shade.

Early Spring Mauve.—Light pink.

Early Aviator.—Dazzling crimson-scarlet.

Early Pink Cherokee.—Of unsurpassed beauty and form. A lovely rich pink suffused with bright salmon. Pkt. 25c; oz. 75c

EARLY SUNRISE MIXTURE.—A very select mixture of early varieties. Pkt. 10c; oz. 40c

Treat your Sweet Peas with “Semisan” before planting and note increased vigor of the plants—see page 36.
THUNBERGIA
Extremely pretty yellow flowers with dark eye; rapid-growing annual trailers; used largely for vases, window boxes, etc.; will flower all summer till frost; 5 feet.
Finest Mixed. Pkt. 10c; ¼-oz. 75c

VERBENA
One of the finest bedding plants and also suitable for borders, baskets and window boxes; its heads of brilliant-colored flowers produce one mass of bloom throughout the summer. Plants in May, 75c doz. postpaid.

NEW GIANT.—The most beautiful and remarkable variety yet introduced.
Hybrida Giant Mixed. Pkt. 15c; ¼-oz. 40c

LUCIFER.—A new mammoth variety of dwarf spreading nature, flowers of the bright, vivid, cardinal scarlet, throughout.
Pkt. 15c; ½ oz. 60c

MAMMOTH.—A carefully selected and improved strain. The trusses and individual flowers are of the largest size, of brilliant colors; free-blooming and of vigorous habit.
Mammoth White, Scarlet, Rose-Pink, Purple shades or Mixed. Pkt. 10c; ¼-oz. 50c

FINE MIXED.—A choice mixture of large-flowering sorts.
Large pkt. 10c; ¼ oz. 40c

VALERIANA
(Garden Heliotrope)
A fine old-fashioned hardy plant; flowers have a strong heliotrope odor, white or yellow, red or white; fine for bouquets; 2 feet.
Mixed. Pkt. 10c; ¼-oz. 25c

VIOLAS
Tufted Pansies
These resemble pansies in shape and form. Flowers are smaller, clear and distinct, with longer stems and flower freely from early spring until snow flies. Seeded in April will flower in June.
Pkt. 15c

VIOLET
Viola Odorata is the well-known English Violet, a free-flowering, hardy perennial; easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places.

ODORATA.—Blue or White. Pkt. 25c

WALLFLOWER
Very highly prized, old-fashioned plants, beautiful, fragrant, early spring flowers; half-hardy perennial varieties; ½ feet. Plants, 75c.

Single Yellow, Dark Red or Finest Mixed.
Pkt. 10c; ¼-oz. 25c

Double, Finest Mixed.—Fragrant; 3 feet.
Pkt. 15c; ¼-oz. $1.00

WILD CUCUMBER
(See Echinocystis, page 55.)

Wild Flower Garden — Mixture
This is a mixture of easy growing, hardy annual and perennial flower seeds, embracing a wide range of different kinds and colors. Very desirable for sowing broadcast along walks, shrubbery, pathways, roadways or in the garden. With little or no care they will produce a bright effect and furnish an abundance of flowers for cutting. If you wish to get the largest returns plant in a prepared bed and when the plants are a few inches high, transplant here and there or wherever wanted. You will derive a great amount of pleasure from watching the development of the flowers from the unknown plants.

Prices—Well filled pkts. 10c; oz. 35c

ZINNIA
The most popular flower of the day, easily grown from seed planted outside early in the spring.

Improved Dwarf Zinnia
Elegans Pumila.—This improved strain of double, dwarf Zinnia is wonderfully adapted to beds or borders. The plants are of compact rounded form and produce from early summer until late fall, a multitude of bright, showy flowers on fine long stems.

Planted 15 inches apart they will make a solid, compact border. The most showy and satisfactory hardy free flowering annual we have for this purpose.

The flowers, on their graceful stems, make lovely bouquets all by themselves or mixed with other flowers. Well grown plants are 14 to 16 inches tall but full and compact from the ground up. Easily grown from seed planted in the early spring, either inside or outside in beds and later transplanted to their permanent place. We offer the most popular colors.

Bright Scarlet, Golden Yellow, Salmon Rose, White or Mixed.
Pkt. 10c; ¼-oz. 25c

Elegans Tall Double Mixed
A choice strain of medium-sized, double flowers (½ feet).
Pkt. 10c; ¼-oz. 25c

PEAT MOSS.—Use imported Peat Moss in your flower beds. It keeps the soil in excellent condition. See page 38.
Routledge Prize Zinnias

The Zinnia is one of the most brilliant, showy and satisfactory annual flowers. It has long been a general favorite, but with the wonderful and "late creations" produced by "Zinnia specialists" in the last few years it is now probably the most popular flower of the day.

For mass planting, cut flowers and decorations they are unsurpassed, producing a wonderful display from July until heavy frost.

NEW DAHLIA FLOWERED

This new, giant, double-flowered Zinnia (see cut) is a wonder in size, shape, new colors, perfection and profusion of flowers. Plants grow sturdy and vigorous, about 3 feet high.

Flowers 4 to 6 inches across, full, very deep and of the most wonderful shade. All of the usual colors and many rare, such as salmon, old rose, pink, cerise, strawberry red and autumn tints. We offer a very select strain of seed containing all novelties.

DAHLIA-FLOWERED GOLD MEDAL MIXED

Pkt. 15c; 2 for 25c; 1/4 oz. 50c

Named Dahlia Flowered Zinnias

Six New Novelties in Separate Colors

Your choice of the following: Large pkt. 25c; all 8 colors, $1.50; 1/2-oz. any kind, $1.00.

EXQUISITE.—A charming true dahlia-flowered type of light rose, shaded deep rose at center.

CRIMSON MONARCH.—Largest and best of the red shades, plants vigorous.

BUTTERCUP.—An immense deep canary yellow. A desirable color for every collection.

PETITE.—A rich, glowing, deep red, darkest of all red shades. Very large.

DREAM.—A fine deep lavender turning to mallow purple. A new and desirable shade.

ORIOLE.—A very popular color, orange and gold; a bicolor, changing slightly as it ages but very charming at all times.

SCARLET FLAME.—A large, beautiful bright scarlet, very showy.

PURITY.—A pure white, without the objectionable "green" tint that has made white zinnias so unpopular in the past.

ORANGE QUEEN.—Not as dark as Orange King; distinct from all other shades.

ROSE QUEEN.—Opens bright rose with deep rosy red center; gradually develops into a warm, deep rose in full bloom; a great favorite—size and form perfect.

GIANT MAMMOTH MIXED.—All colors.

Pkt. 20c; 1/4 oz. 60c

DOUBLE GIANT ZINNIAS

These are the improved giant flowering type and are in every way superior to the common kinds. Flowers are borne on long, stiff stems and are of a semi-globular form, very full and double. Excellent for cutting. Plants grow 2 1/2 to 3 feet high and produce very freely handsome flowers, many measuring from 4 to 6 inches across and all of lovely rich and rare colors. Cultivation, "Marvel Fertilizer" and plenty of water will increase the number and size of the flowers.

DOUBLE GIANT, SEPARATE COLORS.—White, crimson, golden yellow, purple shades, salmon shades, light cherry, shrimp pink, lavender, burnt orange, deep rose, ruby red or double giant mixed, all colors, your choice:

Pkt. 10c; 6 for 50c; 1/4 oz. 50c.

SUPERB DOUBLE GIANT SPECIAL MIXTURE.—Our own mixture of the finest colors, including other shades than those above and new trial ground varieties, so as to produce a blend of wide range and rare and rich colors. Pkt. 15c; 4 for 50c; 1/4 oz. 60c.

PICOTEE DOUBLE MIXED

Distinct and very effective. The petals are all tipped with a distinct color, different than the body of the flower. Plants 3 feet high.

Pkt. 10c; 1/2 oz. 50c

GIANT MAMMOTH "NOVELTIES"

These wonderful new novelties, a cross between the Dahlia and Double Giant, show smaller centers and more loosely placed petals, while the size of the flower is immense, larger than the Double Giants. The handsome flowers are decidedly imbricated and the flower, from bud to full bloom, presents a very graceful and pleasing appearance. (3 feet.)

PRICES: Your choice of the following—
Pkt. 20c; collection of 5, 75c; 1/4 oz., any color, 75c.

ORANGE KING.—A striking shade, glowing orange.

LEMON QUEEN.—Of immense size and unique inasmuch as it carries a pleasant odor; light canary on upper side of petals, cerise on lower; the whole blending into a variety of lemon tints delightfully different.

ZINNIA PLANTS.—Well grown plants from our own select seed. ORDER EARLY and we’ll send in PROPER SEASON. Prices, prepaid: Separate colors, 3 for 25c; doz. 75c. Mixed colors, doz. 60c: by mail, 10c doz. extra.
FLOWERING PLANT COLLECTIONS

On this and the two following pages we offer plant collections grown especially for our out-of-town customers. All orders for these plants are sent direct to the green house where they are gathered, packed and wrapped with special care so they will travel in safety by parcel post. Every plant is carefully labeled. Order any time; we’ll send "in season."

1928 Collection — Twelve Grand Single Geraniums
Price 20c each; set of 12 varieties, $2.00 postpaid

Albion.—Beautiful free flowering white variety, as pure in color as driven snow. Always in bloom.
C. W. Ward.—Rich salmon, shaded to orange. Large trusses on strong stalks. Magnificent zoned foliage.
Eugene Sue.—A rare color; russet orange, yellow and salmon-red.
Emanuel Arene.—Rich, dark, velvety crimson maculated orange-red on upper petals.
Madame Mosnay.—Peculiar shade of carmine lake shaded to violet and white.
Meteor.—A continual bloomer of a brilliant crimson red flower; dwarf, compact habit.
Madame Rival.—Pure rose-pink, with conspicuous white blotch on two upper petals.
Mrs. A. Blanc.—Silvery salmon shaded peach and apricot. One of the richest colored sorts.
Mrs. E. G. Hill.—Very large trusses; color clear salmon, with a white center; excellent.
Rosamine.—Old rose, pink, flued violet and maculated with white. Very distinct.
Tiffin.—Brilliant light scarlet flowers in fine large trusses, produced freely all season.

Beauty Collection Twelve Grand Double Geraniums
Price 20c each; set of 12 varieties, $2.00 postpaid

Abble Schaeffer.—Rich deep crimson maroon in fine large trusses, freely produced.
Alphonse Ricard.—Rich, velvety scarlet, extra large and brilliant.
Beaute Poitevina.—Very large semi-double flowers of a brilliant salmon color.
Fleur des Gardine.—Bright orange-scarlet flowers in large numbers. Fine grower and free blooming.
Jean Vlaud.—Soft rose color shaded to white. Immense flowers in large trusses. Magnificent variety.
Madame Landry.—Rich, bright apricot, shaded with orange; very large trusses.

BEAUTY COLLECTION CHOICE FUCHSIAS

This graceful class of plants make especially fine subjects for house culture as well as for planting in the garden. They are almost continuous bloomers and are very easily raised. The single varieties are the most floriferous, while the double sorts bear the larger flowers.
Price 20c each; collection of 6 sorts, $1.00

Annie Earle.—Tube and sepals waxy white, corolla single, clear carmine; plant splendid and free blooming.
Purple Gem.—Rich, dark blue waxy corolla, with crimson sepals. A beautiful double variety, seldom out of bloom.
Phenomenal.—Flowers very large, corolla plum color, tube and sepals crimson; one of the finest double varieties.
Little Beauty.—A dwarf growing double variety, producing with great freedom small flowers of great beauty. Purple corolla with scarlet sepals. A little gem.
Mrs. E. G. Hill.—Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white.
Speciosa.—A winter-blooming variety of large size; tube and sepals blush, corolla bright crimson.

USE "MARVEL"—The best Fertilizer and plant food known. A teaspoonful to a plant does wonders. Descriptive pamphlets on request. See page 37.
**CARNATION PLANTS**

For beauty, fragrance and abundance of flowers, for its hardiness, easy culture and adaptability to outdoor or indoor cultivation, no plant excels the ever-blooming Carnation.

**Wonder Collection Carnations**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>20c each; 10 for $1.75, postpaid</td>
<td>We have selected the varieties in this collection with much pride to ourselves, believing that we are giving to our patrons a set of Carnations which for general planting cannot be excelled. All have flowers of large size, strong and healthy growth and very free-blooming qualities.</td>
</tr>
</tbody>
</table>

- Alice.—Delicate flesh pink; very sweet.
- Aviator.—Rich, bright scarlet.
- Belle Washburn.—Deep brilliant scarlet.
- Bonora.—White, flaked with scarlet.
- Enchantress.—A superb flesh pink.
- Matchless.—Pure white flushed pearl.
- Mrs. C. W. Ward.—Bright, glistening pink.
- Pocahontas.—Crimson maroon.
- White Enchantress.—A beautiful white.
- White Wonder.—Glistening pure white.

**1928 COLLECTION GIANT JAPANESE CHRYSANTHEMUMS**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20c each; sets of 12 sorts, $2.00 postpaid</td>
<td>Betsy Ross.—Globe-shaped blooms of grand size and texture. Pure glistening white without the least shading.</td>
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<tr>
<td></td>
<td>Bronze Queen.—Rich golden bronze. Fine incurved blooms freely produced. Splendid garden variety.</td>
</tr>
<tr>
<td></td>
<td>Chrysolora.—In our field trials during the past season this variety stood out pre-eminently as the finest yellow in the collection. Large, incurved flowers of elegant form.</td>
</tr>
<tr>
<td></td>
<td>Chieftain.—A beautiful broad-petaled, incurving flowers, delicate silvery pink. Popular for cutting.</td>
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<tr>
<td></td>
<td>Citronelle.—Beautifully incurved flowers of fine size. Rich lemon yellow, sometimes flushed with bronze.</td>
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<tr>
<td></td>
<td>Early Frost.—Pure snowy white flowers of incurved form with outer petals reflexed. One of the best white varieties.</td>
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</tbody>
</table>

**GLORY COLLECTION NEW ENGLISH GARDEN CHRYSANTHEMUMS**

To those persons who have planted the late flowering sorts and failed to get them into bloom before frost, these new imported sorts will appeal. All will flower readily in the garden during September and October. Flowers smaller than above, but prettier for bouquets.

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>20c each; full collection of 12 sorts, $2.00 postpaid</td>
<td>Camille Bernadine.—Large, fluffy flowers of violet and carmine color, shaded with white.</td>
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<tr>
<td></td>
<td>Chaldron.—Ruby red, flushed with chamois and gold. Early and free.</td>
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<td></td>
<td>Champagne.—Rich red, tipped with gold. Dwarf growing and very free.</td>
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<tr>
<td></td>
<td>Cranford White.—Snowy white flowers of beautiful form. Nice dwarf grower and free blooming.</td>
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<td></td>
<td>Glory of Seven Oaks.—Deep golden yellow, very free flowering. Excellent dwarf habit.</td>
</tr>
<tr>
<td></td>
<td>Groacher's Crimson.—Large, handsome flowers of a rich shade of crimson. Blooms very early.</td>
</tr>
</tbody>
</table>

**1928 COLLECTION GIANT JAPANESE CHRYSANTHEMUMS**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
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<tbody>
<tr>
<td></td>
<td>Golden Glory.—Large incurved flowers of a rich golden yellow color. One of the finest of its color.</td>
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<td></td>
<td>Nettie Parker.—Rich amaranth pink with silvery suffusions. Large incurved flowers on fine stems. Very distinct color.</td>
</tr>
<tr>
<td></td>
<td>Oconto.—Rank in growth, free in bloom, flowering in early October, this fine pure white variety is most popular.</td>
</tr>
<tr>
<td></td>
<td>October Rose.—Soft rose pink, flowers of fine size and splendid form. Strong grower and very hardy.</td>
</tr>
<tr>
<td></td>
<td>White Chieftain.—Compact incurved flowers of elegant form and nice size; pure white tinged with pearl. A popular cut flower sort with florists.</td>
</tr>
</tbody>
</table>

**FIELD GROWN LUMPS, HARDY CHRYSANTHEMUMS**—See page 73.
BEAUTIFUL FLOWERING BEGONIAS

Probably the most satisfactory class of plants for house culture obtainable. Of easiest possible culture. The waxy flowers produced in much profusion, together with their handsome foliage, make them most desirable subjects for the window garden.

Price 20c each; full collection of 6 for $1.00, postpaid.

Bertha Chaterocher.—Covered all the year with bright scarlet flowers; handsome green foliage. A fine house plant.

Alba Plota.—Pretty ovate shining green foliage; myriads of pure white flowers; bushy growth. Fine pot plant.

Foiliosa.—The freest-flowering Begonia we have; makes a handsome window plant; bright flowers, glossy green foliage.

Gloire de Chatelaine.—Glossy green ovate leaves, flowers pink, heavily bordered with rose pink. A grand new variety from France.

Marguerite.—Foliage bronzy green, with purple cast on under side. Large, pure white flowers in good size panicles.

Sanderson. — Coral pink flowers in large clusters with deep sea-green foliage of waxy texture. Splendid window plant.

REX BEGONIAS.—See page 78.

NEW ENGLISH SNAPDRAGON

Anthirrhinum.—These new varieties grow about 1½ feet high and flower continuously all summer. The flowers are closely set in large spikes and cover a wide range of color. Snapdragons are one of the very best bedding plants and are very popular at present. They can be planted annually like geraniums but are hardy west of the Cascades and will thrive the second year outside.

Price, 15c Each; $1.50 per dozen; $10.00 per 100.

Full Collection, 1 each, 6 kinds, 75c postpaid.

Enchantress.—Exquisite almond blossom pink. Very large, closely set on fine strong stalks. Early and very free blooming.

Flame.—Brilliant orange scarlet flowers in fine, strong spikes blooming with great freedom. A blaze of color.

Golden Queen.—Rich golden yellow flowers of fine size on heavy close set spikes. Very striking bedding variety.

Prima Donna.—Rich terra cotta shaded with pink and having a golden yellow throat. Strong grower, very free flowering.

Matchless.—Large spikes of brilliant apricot color with golden yellow throat. Very effective when massed in groups or borders.

White Queen.—Large spikes of pure white flowers, produced with great freedom. Splendid for borders and beds.

CHOICE MIXED—Grown from the finest mixed seed. Doz. $1.00, postpaid.

TENDER TRAILING AND CLIMBING PLANTS

Lantana Delicatissima.—The Weeping Lantana. Lilac pink flowers all season. Fine basket plant.

Vincia Variegata.—This is a beautiful variegated trailing vine, admirably adapted for hanging baskets, vases and window boxes. Leaves are a glossy green, broadly margined a creamy-white.

For Hardy Climbing Vines and Trailers, see page 96.
HARDY PERENNIAL FLOWERING PLANTS

No class of plants enjoy greater popularity at the present time than the Hardy Perennials. They have made rapid strides into public favor the past few years, until now they may be considered to have a prominent and a permanent place in our American gardens. Once planted, they require very little care, increasing in size of plant and profusion of bloom from year to year. Most varieties can be taken up, divided and reset every third year.

LARGE STOCKS—LOW PRICES—We are in a position to supply unlimited quantities at special prices and you will find our plants are strong and well rooted. Our prices must not be compared to many lists, for our plants are all hardy, field grown, worth double the average stock sold. Limited space will not permit us to list all varieties we can supply.

Ask for any special varieties wanted

PRICES.—All prices postpaid—10 times the each price is dozen price

Express, freight and call orders 5c each or 50c doz. less

Artemisia Lactiflora

Elegantly cut, dark green foliage, with many long-stemmed sprays or panicles of Hawthorn-scented, creamy white Spirea-like flowers. In bud they look like tiny pearl beads. They work in nicely with other cut flowers. August and September. 4 to 6 feet (see cut).

Each 35c; 3 for $1.00

Asters—Hardy, Fall Flowering

Michaelmas Daisies.—Among the showiest of our late-flowering, hardy plants, giving a wealth of bloom during September and October. They grow freely in any soil. Fine for cutting; 3 to 6 feet. Lavender, White, Rose and Blue.

Each 20c; doz. $2.25

Amelia

SEA PINK OR THRIFT. — Dwarf plants with 9-in. wiry stems of rosy pink flowers from early until late. Very hardy and useful in the rockery.

Each 25c; doz. $2.50

Bellis Perennis

English Daisy—Popular early flowering plants. Very pretty for small borders.

Double Red or White, Each 20c; doz. $2.00

Mammoth—Extra large flowers in white or pink only.

Each 25c; doz. $2.50

Coreopsis

Lanceolata Grandiflora—Popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; June; 1 feet.

Each 25c; 3 for 65c

Cantebury Bells

(Campanulas—or Bellflowers)

One of the most popular hardy garden plants on account of the beautiful clusters of long-stemmed, dainty yet large flowers. They are very showy. The "Callycanthema" are only "biennials." 

(Calycanthema) (Cup and Saucer Cantebury Bells)—A beautiful form of this favorite flower. (See cut, next page.)

Blue, Rose or White.

Each 25c; doz. $2.50

Chrysanthemums

Hardy Garden Sorts.—We offer four colors. Field-grown plants. Yellow, red, pink or white.

Each 25c; 4 for 85c

FOR NAMED JAPANESE AND ENGLISH SORTS see page 71

Doronicums

One of the most effective and very early spring flowering perennials, growing about 2 feet high, producing a profusion of Marguerite-like golden yellow flowers of much beauty and elegance. It is a splendid flower for cutting.

Each 20c; doz. $2.00; Large 30c
Delphinium
(Hardy Larkspur)

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy; 4 to 6 feet. Fine for cut flowers, June to November; when the first blooms are faded, cut all foliage close to the ground and a second crop will come. (See cut.)

Choice Mixed, all shades.

Each 20c; doz. $2.00

Gold Medal Hybrids—Unquestionably the finest strain of hybrids from the best named varieties. Very large, two-foot flowers, spikes in beautiful shades of lavender, light and dark blue.

Each 25c; doz. $2.50

Belladona—A free and continuous bloomer; flowers clear turquoise blue; very beautiful; long flower spikes.

Each 25c; doz. $2.50

Bellamomum—Same as above; rich deep blue.

Each 30c; doz. $2.50

Formosum—Dark blue, white centers; an old favorite; 3 to 4 feet high.

Each 30c

GIANT ENGLISH VARIETIES.—(See cut page 57.) Choice plants raised from our Prize Winning English Giants, each 50c. Field clumps, large, each $2.00.
Hardy perennial flowering plants—Continued

NOTE.—25c plants are $2.50 doz.; 30c, $3.00 doz. See note top page 73.

Hypericum

(St. John’s Wort)

Moserianum (Gold Flower)—Of drooping, training nature. Fine for rockeries, etc. Free flowering. Rich golden-yellow; beginning in June. Each 25c; clumps 50c to 75c.

Iberis

HARDY CANDYTUFT (Sempervirens).—Pure white flowers, March to June; 8 to 12 inches; fine for edging. Each 25c; doz. $2.50.

Lavender

Vera.—The true, sweet fragrant lavender. Flower stems always in demand. Small plants 20c; large plants, 25c to 50c each.

Phlox

Among the hardy perennial plants no class is of more importance than the Phlox, succeeding in almost any soil and position, and flowering through a long season. Excellent for cutting and decorating or for mass effects.

Prize collection Phlox plants

Your choice, select plants, each 25c; doz. $2.50.

Athis.—Light salmon, violet eye; tall.
Antoin Mercie.—Light lavender, dwarf.
Baron Von Dedem.—Deep pink, suffused orange.
Beacon.—Brilliant cherry-red, showy flower.
Diadem.—A stately pure white. Wonderful.
Eclairant.—Brilliant rose magenta. Tall.
Goliath.—Bright cerise with a darker eye.
Honda.—A lovely soft pink white halo.
Helen Lockwood.—Extra large trusses on tall stems. Color bright crimson.
Mille Von Hoboken.—Rose-pink shaded with salmon; deep eye.
Miss Lingard.—Waxy white, large blooms.
Selma.—Delicate light pink, beautiful.

Superb collection Phlox

New, rare; magnificent flowers. Your choice, each 35c; doz. $3.30.

B. Comta.—Rich Burgundy red with a satiny sheen; beautiful and distinct.
Deutschland.—Brilliant dark orange scarlet; very large trusses.
Evely.—Lovely soft pink; large flowers of perfect form.
Lavender Queen.—Large spikes of dark lavender; an unusual shade; almost sunproof.
Europa.—One of the finest white phlox with a distinct carmine eye. Large flowers.

Creeping Phlox


Poppy

Nudicaule (Iceland Poppy)—A beautiful class of hardy poppies. Flower stems about a foot in height, bearing elegant cup-shaped flowers, ranging in color from white to scarlet, but most valuable in the yellow and orange shades. Valuable for cut flowers, lasting well when cut.

Mixed All Colors, each 25c; doz. $2.50.

Poppy—Oriental

Fine subjects for massing or planting singly in the hardy garden; 3 feet. They make a wonderful show when in bloom, May and June.

Goliath.—Large bright scarlet.
Oriflamme.—Gorgeous orange-scarlet.
Salmon Queen.—Delicate salmon pink.

Primroses Primula

BEARD TONGUE.—For description see flower seeds, page 63. Plants, each 25c.

Primroses Primula

English Primrose.—Pretty low growing plants bearing large numbers of beautiful flowers very early in the spring and having the old-fashioned cowslip fragrance so dear to the heart of every Englishman. The flowers are in a wide range of rich colors from golden-yellow to deep crimson maroon.

Mixed Hybrids.—Each 25c; 3 for 65c.

Pyrethrum

Persian Daisy.—One of the most valuable of our early summer flowers; charming shades of color, and wonderful lasting properties as a cut flower; they flower in May and June.

Hybridum.—Single; mixed.

Each 30c; doz. $3.00.

Rudbeckia

(Golden Glow)

Flowers beautiful golden-yellow; very double. Marvelous continuity of bloom from June till late fall; 6 to 8 feet.

Small plants 25c; large 35c.
SAXIFRAGA

Umbrosa (London Pride).—A low-growing, spreading sort, throwing up slender stems a foot high of pretty pink flowers in dainty clusters; small, dark evergreen leaves. A fine border for banks or rockeries.

Each 20c; doz. $2.00

Megasea.—Very hardy, flowers rose-pink; leaves broad, round, deep green; 1 foot. Pretty flowers; very early.

Each 25c; doz. $2.50

Tunica.—Flowers soft pink, blooms all summer. Fine for rockery.

Each 25c

SHASTA DAISY

Very large daisy-like flowers, often measuring 4 to 5 inches across, having three or more rows of petals of the purest white. Flowers produced in great profusion on long strong stems. Very popular; 2 to 3 feet.

Each, small 20c, $2.00 doz.; large 25c

Clumps 35c to 50c

SCABIOSA

Caucasica.—A choice hardy plant, thriving in any situation and producing fine umbels of beautiful lavender-colored flowers all season through; flowers very lasting, admirably adapted for cut flower purposes; grows 18 inches high. One of the finest perennials.

Each 35c; 3 for $1.00

Saponaria

SOAP WIRT (Ocymoides).—Dwarf, fine leaved, with small bright pink flowers from May to August. 8 inches. Fine for rockery or edging.

Each 25c; doz. $2.50

STOKESIA

Cornflower Aster (Cyana).—Handsome lavender-blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds 18 to 24 inches high, June to September.

Each 30c

Tritoma

(FLAME FLOWER OR RED HOT POKER)

Pfitzerii.—Blooms from August to October with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses (see cut).

Each 35c to 50c

VALERIANA

Garden Heliotrope.—Desirable plant (3 ft.). Its showy heads of flowers are cut as soon as they fade; it will bloom most all summer.

Coccinea Rubra.—Rose-pink flowers; blooms

Each 25c

VERONICA

Rupestris.—A fine rock plant, growing 1 or 4 inches high, thickly matted deep green foliage, hidden in spring under a cloud of bright blue flowers.

Each 25c

VIOLET


Strong plants, each 35c; doz. $3.50

VIOLETS

California Single.—Large, violet-blue.

Each 20c; doz. $2.00

Double White or Double Blue. 25c; doz. $2.50

WALL FLOWER

Double English.—A fine old hardy garden plant seen in every English garden. Grows about 18 inches high and produces early in the spring, rich colored spikes of bloom in various shades of yellow and brownish red, Yellow, Red or Crimson.

Each 25c

Mixed, all colors. Each 20c; doz. $2.00

FOR BEST RESULTS, plant these hardy perennials in the fall or early in the spring before new growth gets too far advanced.
BEAUTIFUL ORNAMENTAL FERNS, PALMS, ETC.

OSTRICH PLUME (See cut)—The fronds of this popular variety are the most delicate and plume-like. They are beautiful full and fluffy, well-grown plants; are truly magnificent and last well in the house.

Choice plants, 25c to 50c, postpaid Specimen plants in pots, $1.25 to $3.00

BOSTON FERN—One of the most beautiful: of easy culture, sword-like fronds; produced in a bewildering mass, arching, curving and interlacing in every conceivable direction.

Choice plants, 25c to 50c, postpaid Specimen plants in pots, $1.00 to $2.50

ASPARAGUS SPRENGERI (Emerald Feather)—Of drooping or trailing nature, valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage; very hardy.

Choice plants, 20c to 35c, postpaid Specimen plants in pots, 75c to $1.00

ASPARAGUS PLUMOSUS (Climbing Lace Fern)—Very popular, hardy and easily grown. Very satisfactory for window and house culture. Extremely graceful; bright green, feathery foliage, as fine as the finest silk or lace.

Choice plants, 20c to 35c, postpaid Specimen plants in pots, 50c to $1.25

KENTIA PALM

A beautiful, graceful, handsome looking, strong growing palm. One of the most popular for home culture. If we could have but one palm, it would be a Kentia. Not mailable.

Choice plants in pots, 18 in. to 24 in., $2.50-$3.00. Specimen plants, $5.00 to $15.00.

OSTRICH PLUME In a Fancy Jardiniere

(Rubric Plants By Express Only)

RUBBER PLANT

Very popular and easily grown. Its glossy, thick, dark-green leaves are not affected by dust or gas. Choice plants in pots (not mailable), 15 to 18 in., $1.50; 2 foot up, $2.00 to $5.00 and up.

RHEX BEGONIAS

One of the most ornamental of window plants. Very popular and easily grown.

Prices: 35c each; 3 sorts, 75c, postpaid; large plants in pots (not mailable), 75c to $1.00.

WATER LILIES

We offer a very select list of fine flowering, easily grown varieties, for natural or artificial pools and ponds or for tub culture. The number of beautiful fragrant flowers, produced even in tub culture is surprising. Planting instructions with each order on request. Goldfish in the pools will add interest and also keep the mosquitoes down.

ALL SHIPMENTS BY EXPRESS.—Small bulbs can be mailed if necessary by adding 10% extra.

Order early and we will send at proper planting time for your locality. From April to August.

Marliacea Albide.— Vigorous. Flowers large, of sparkling whiteness, stamens yellow, produces freely throughout the season. Excellent white variety. $1.25 each.

Tuberosa Richardsonii.—Flowers are cup-shaped, pure white, double and of good size. Distinct and of real merit. $1.25 each.

Marliacea Rosea.—Flowers large, deep rose color. One of the very best pink hardy water lilies. $2.00 each.

Rose Arey.—This lily is of exceptional beauty, color and fragrance. Flowers often 8 inches in diameter and are a deep cerise pink. This variety seems to be in bloom all the time. $3.00 each.

Eugenia De Land—Deep rose pink, petals long, lanceolate. Flowers borne on the surface of the water. $2.25 each.

Marliacea Chromatella—Flowers of charming canary yellow, from 4 to 6 inches in diameter. Flower freely. Of easy quick growth. $1.50 each.

Pygmaea Helvola—Beautiful small yellow flowers which float on the surface of the water. Leaves also are small. Flowers freely. Fine for tub culture. $.100 each.

Gloriosa—Magnificent variety with floating flowers from 4 to 6 inches across, of beautiful form and of a deep carmine rose color. Very free in flower, blooming continuously. Excellent for all purposes. $5.00 each.

James Brydon—A superb variety, being a free bloomer, with rose crimson flowers 4 to 5 inches in diameter. $3.00 each.

James Brydon—A superb variety, being a free bloomer, with rose crimson flowers 4 to 5 inches in diameter. $3.00 each.

Sioux—Beautiful star shaped flowers, opening color, a dull rich bronze yellow, changing to a reddish cast, making it most unique in color of any of the lilies. Blooms continuously. $2.50 each.

Harlot.—Large flowers of clear yellow, with delicate shading at base of petals. Beautiful. $3.25 each.

Laydekeri Lilacea.—Flowers of rose lilac, shaded bright carmine, with a spicy fragrance. Three to 5 inches across. Long stems. Very desirable. $2.00 each.

Water Lily for Ponds
BEAUTIFUL HARDY LILIES

These are the most fragrant, beautiful and stately of all flowers produced from bulbs. We list only the hardy varieties that will give planters much pleasure and happiness. Ideal locations are in the shrubbery or herbaceous border, where the roots are sheltered from the hot sun. Groups of six or more lilies of a kind, here and there, in such situations are most effective. Large isolated clumps or beds of the varieties Auratum, Henryi, Speciosum, Tigrinum, etc., are also very beautiful. They should be planted 6 to 8 inches below the surface in light soils, or 4 to 5 inches below in heavy soils; in the latter case the bulbs should be surrounded by sand to facilitate drainage.

SUCCESS WITH LILIES is not difficult if you give proper attention to the preparation of the soil. They should be planted in a rich loose loam or sandy soil that is well drained. Lilies do not like wet feet. Well-drained soil is very important for best results. If your soil is heavy and not well drained, dig deeply and work in a liberal amount of sand and peat moss. For fertilizer use H. Q. Sheep Guano with bone meal, but all fertilizer must be thoroughly mixed with the soil so as not to come in contact with it. Liquid fertilizer poured on the ground around the flower stem once a week, about blooming time, will increase the size and beauty of the flowers. Peat Moss (see page 37) is excellent humus to mix in and spread over lily beds.

Lily Auratum

AURATUM (The gold-banded Lily of Japan) Strong, sturdy grower, profuse bloomer. Large open, handsome white flower, thickly dotted with crimson and a gold band through the center of each leaf. Very fragrant. Medium sized bulbs (8-9), each 25c.

Large bulbs (9-10), each 40c. Mammoth size (11-13), each 60c.

PLATYPHYLLUM—Larger than the Auratum; same type flower; color cream white, lighter band and white dots. The giant of the lily family. Very handsome and fragrant.

Mammoth bulbs (11-13), each 65c.

SPECIOSUM RUBRUM—White ground, suffused deep rose, dotted with crimson, reflexed petals, free bloomer and hardy. Very popular.

Mammoth bulbs (11-13), each 40c.

SPECIOSUM MAGNIFICUM—Similar to the above, but of a deeper, richer color, frosted white, dotted and suffused crimson red.

Mammoth bulbs (11-13), each 50c.

SPECIOSUM ALBUM—Beautiful white flowers of great substance with a greenish band in the center of each petal; 3 to 4-foot stems, with 3 to 12 flowers per stem.

Mammoth bulbs (9-11), each 70c.

HENRYI (The yellow speciosum)—Native of China. One of the best lilies for garden. Rich apricot yellow, free bloomer and sure to grow. Selected bulbs, each 60c.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants and Supplies

In making new beds, spade deeply and mix into the soil a liberal amount of natural fertilizer and a little bone meal, also plenty of sand, leaf mold or peat moss (see page 37) if the ground is heavy, for Lilies do best in rich loamy or sandy soil that is well drained.

**Regal—A Royal Lily**

**MYRIOPHYLLUM or REGALE**—A magnificent new lily from China. Grows 3 to 5 feet high, bearing handsome white fragrant, trumpet-shaped flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. The fragrance is fascinating, somewhat like a "Gardenia". (See cut.)

Medium blooming age, each 40c; large size, each 60c; top size, extra large, 90c.

**REGAL LILY SEED.** Per pkt. 50c; oz. $4.00; write for quantity prices.

**CANDIDUM (Madonna Lily)**—This is the ever-popular, fragrant, snow-white, hardy garden lily. The flowers are produced in clusters, at the top of 4 to 5-foot stems; blooms in the open ground in June. A very hardy and popular trumpet-shaped lily.

Prices: Medium, 35c; large, 40c; jumbo, 50c.

**GIGANTEUM (Easter Lily)**—Pure pearly white, deliciously fragrant, and remarkably free bloomer. Perfectly hardy and if planted in the garden it blooms in June.

Large bulbs, each, 35c; 3 for $1.00.

**GIANT TIGER LILY (Improved Tigrinum Splendens)**—Very hardy and sure to bloom. Large, single flowers, rich orange, freely marked with small black dots. An old and popular lily. Prices, each 20c; large, 25c.

**DOUBLE TIGER LILY (Tigrinum Fl. pl.)** Handsome double flowers on strong stems, same color as above. Prices, each 35c.

MT. HOOD (L. Washingtonianum)—A beautiful lily, native of Oregon; flower of open trumpet form; white, tinted with lavender-pink; grows 3 to 5 feet high; very fragrant; few lilies surpass it. Select farm-grown bulbs.

Medium, 25c; large, 40c; jumbo size, 75c.

**Mt. Hood Lily**

**MYRIOPHYLLUM or REGALE**—A magnificent new lily from China. Grows 3 to 5 feet high, bearing handsome white fragrant, trumpet-shaped flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. The fragrance is fascinating, somewhat like a "Gardenia". (See cut.)

Medium blooming age, each 40c; large size, each 60c; top size, extra large, 90c.

**REGAL LILY SEED.** Per pkt. 50c; oz. $4.00; write for quantity prices.

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**DOUBLE TIGER LILY (Tigrinum Fl. pl.)** Handsome double flowers on strong stems, same color as above. Prices, each 35c.
**ROUTLEDGE SUPERB GLADIOLUS BULBS**

The most popular and desirable of all garden bulbs. Nothing else that we know of grows and blooms so readily in any soil or climate. With ordinary care and attention they make a display in the garden unexcelled by any other bulbous flower. For prize-winning blooms plant in rich soil, cultivate well and give plenty of water. Can be planted at any time from March to July 4. Plant 2 to 3 inches deep in heavy and 4 to 5 inches deep in light soil. 4 to 6 or 8 inches apart. Use "H. Q." brand Sheep Manure with a little "Marvel Q. A." Fertilizer, worked well into the top soil.

**Prize-Winners—Rare, Rich and Wonderful**

We offer on this and the following three pages a most carefully selected list of the new and most beautiful sorts at greatly reduced prices. Plant liberally. ALL PRICES POSTPAID.

---

**Stayton, Ore., Jan. 17, 1927.**

Routledge Seed & Floral Co.

*Gentlemen: I purchased my Gladioli Bulbs from you last year and the flowers were wonderful. Respectfully, CORA BARRETT.*

---

**ALTON.**—La France-pink suffused geranium-pink, strikingly blotched scarlet. A very beautiful variety.

Each 10c; doz. $1.00

**ATREUS.**—A beautiful shade of rose pink. A strong grower and very, very lovely.

Each 15c; doz. $1.50

**AMERICA.**—Large flowers of a delicate flesh pink. A free bloomer and flowers last well. A very popular American variety.

Each 5c; doz. 50c; 100 $3.50

**ANNA EBERIUS.**—Rich, velvety purple. Very large ruffled flowers, well placed on tall spikes.

Each 10c; doz. $1.00; 100 $7.00

**ARDEN.**—An early sort, producing tall, graceful spikes of flowers well placed. An attractive shade of watermelon red.

Each 8c; doz. 75c; 100 $5.00

**BARON J. HULOT.**—Rich indigo blue. The flowers not as large as some, but very distinct and in demand on account of its rich colors.

Each 10c; doz. $1.00

**BLACK HAWK.**—A strong grower with splendid spikes of large flowers of amaranth red; one of the finest dark varieties.

Each 8c; doz. 75c; 100 $5.00

**BENGAL TIGER.**—Handsome, large; flowers of a rich, rosy-red, with unusual markings of a darker shade. The throat is enhanced by a suffusion of golden orange. A rich, rare and pleasing variety.

Each 10c; doz. $1.00; 100 $7.00

**CATLEYA.**—Rosy pink over creamy white, splashed and edged carmine. A very lovely flower.

Each 6c; doz. 60c; 100 $4.00

**CRIMSON GLOW.**—Flowers are large, wide open, fiery crimson; one of the best.

Each 8c; doz. 75c; 100 $5.00

**E. J. SHAYLOR.**—Of real merit. Flowers large and of a beautiful pure deep rose-pink.

Each 10c; doz. $1.00; 100 $7.00

**EARLY SUNRISE.**—Vigorous grower, producing large, well expanded flowers on tall, graceful stems. Color, rich glowing salmon, suffused pink and cream. A glorified "Hally."

Each 8c; doz. $1.00; 100 $7.00

**EMPERESS OF INDIA.**—Deep, dark red or maroon, with pure white stripe on the two lower petals.

Each 8c; doz. 75c; 100 $5.00

**ETENDARD.**—French introduction. Large flowers. Upper petals rich cream, tinted pink. Lower petals marked with a large fiery red blotch, clearly margined bright yellow. An exceedingly rich and striking color combination.

Each 20c; doz. $2.00

**EVELYN KIRKLAND.**—La France pink overlaid rose doree, throat shell pink. Soft scarlet-red blotches.

Each 10c; doz. $1.00; 100 $7.00

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"OUR PRICES ARE VERY LOW, BUT THE SIZE, TRUENESS AND QUALITY OF THE BULBS COULD NOT BE BETTER. WE HARVESTED 400,000 GLADS THIS YEAR."
FLORA.—Clear, golden yellow, large flowers well placed on tall, graceful stems. This yellow sort is unsurpassed in our estimation.
Each 10c; doz. $1.00; 100 $7.50

FAY LANPHIRE.—This new California introduction was named after Fay Lanphire, who won the title of "Miss America" in the National Beauty Contest, 1925. This is certainly a charming variety. Flowers very large and handsome, of elegant form and perfectly placed on long, very graceful stems. Color a bright coral lustre, suffused light cerise. Very attractive.
Each 40c; doz. $4.50

GOLDEN MEASURE.—Immense tall spikes of deep golden yellow flowers. The king of the yellows.
Each 15c; doz. $1.50

GIANT WHITE.—The largest and most perfect pure white we have ever grown. Strong stems of wonderful flowers.
Each 20c; doz. $2.00

HALLEY.—Delicate salmon-pink, overlaid with a light rosy tinge, enhanced by pale yellow center.
Each 5c; doz. 50c; 100 $3.00

HERADA.—A pure mauve-colored variety of rare beauty.
Each 10c; doz. $1.00; 100 $7.50

INDEPENDENCE.—Beautiful clear salmon-pink; late.
Each 5c; doz. 50c; 100 $3.50

JACK LONDON.—A light salmon, nicely marked with brilliant orange flame; golden yellow throat, feathered ruby red. Very beautiful.
Each 10c; doz. $1.00; 100 $7.00

LE MARSHAL FOCH.—A delicate cameo pink. Immense flowers and many open at once.
Each 5c; doz. 50c; 100 $3.50

LOS ANGELES.—(Cut and Come Again)—A wonderful producer of full sized flower spikes that are tall and graceful. Flowers of a beautiful, exquisite clear, bright pink, with deeper pink feathering in the throat. An attractive and outstanding new sort.
Each 40c; doz. $4.50

LAVENDER PRINCESS.—A new variety of sterling merit. The flowers will last longer in the garden or keep fresh and in good form longer after being cut than any variety we know of. Flowers beautiful and perfectly formed and of a beautiful tint of very light lavender and cerise or a light orchid cast.
Each 50c; doz. $5.00

MRS. W. H. PHIPPS.—Diener's masterpiece. La France-pink, overlaid with light rose-salmon, lighter toward the center. Might be called an irridescent pink. Enormous flowers.
Each 40c; doz. $4.00

MRS. H. E. BOTHINS.—Light geranium-pink, heavily ruffled scarlet center. One of Diener's most perfect creations and the loveliest color combination.
Each 15c; doz. $1.50; 100 $10.00

MRS. FRANK PENDELTON.—Very popular, for it's one of the best. Flowers large flesh-pink with a large bright dash of crimson on the two lower petals. Bright and attractive.
Each 5c; doz. 50c; 100 $3.50

MRS. FRANCIS KING.—Cameo-pink edging, shading to soft flesh-pink and suffused cream. A delicate and most exquisite color combination. Beautiful flowers on graceful stems.
Each 15c; doz. $1.50; 100 $8.00

MRS. DR. NORTON.—Cameo-pink edging, shading to soft flesh-pink and suffused cream. A delicate and most exquisite color combination. Beautiful flowers on graceful stems.
Each 15c; doz. $1.50; 100 $8.00

MRS. LEON DOUGLAS.—New. Handsome, stately variety. Giant, graceful flowers 5 to 6 inches across on tall spikes. Ground color, rich salmon-pink overlaid and beautifully penciled brilliant flame-scarlet; pale lemon throat, slightly specked ruby.
Each 20c; doz. $2.00

MRS. FRANK PENDLETON.—Very popular, for it's one of the best. Flowers large flesh-pink with a large bright dash of crimson on the two lower petals. Bright and attractive.
Each 5c; doz. 50c; 100 $3.50

ORANGE GLORY.—Brilliant orange color, throat lighter; very rich and striking color. Large, ruffled, beautiful and distinct.
Each 15c; doz. $1.50; 100 $10.00

PRIDE OF LANCASTER.—Brilliant orange salmon; rich, fiery, orange throat. Flowers beautifully ruffled on tall, compact spike.
Each 5c; doz. 50c; 100 $3.50

SPECIAL.—No. 2, No. 3 and No. 4 sizes in Gladioli Bulbs will all flower nicely. If interested in these sizes or in smaller planting stock IN QUANTITY, write for PRICE LIST. Very low prices per 100 or 1000, but we do not sell the small sizes by the dozen.
GLADIOLI — Continued

SWEET LAVENDER.—A rare, rich color: a combination of light violet and pink, suffused yellow in the throat; garnet blotch.
   Each 35c; doz. $3.50

VIOLET GLORY.—Massive flower, rich deep violet; darker in throat. Medium ruffled. Extra good.
   Each 20c; doz. $2.00

VIRGINIA.—Rich bright scarlet, shaded crimson to throat. Massive wide florets on strong tall stems.
   Each 15c; doz. $1.50

WAR.—Large, glowing crimson flowers that make a gorgeous display. Late flowering.
   Each 10c; doz. $1.00; 100 $7.50

WILBRINK.—Lovely flesh-pink, creamy yellow shadings; immense blooms. Very beautiful.
   Each 5c; doz. 50c; 100 $3.50

FREE LEAFLET
How to grow and care for Gladioli bulbs free with each order if asked for.

PRINCE OF WALES.—Free flowering; rich apricot suffused with salmon and orange. A lovely flower.
   Each 8c; doz. 75c; 100 $5.00

PURPLE GLORY.—Tall spikes of magnificent giant flowers, with beautifully ruffled petals. Color, a velvety deep, rich maroon, almost purple.
   Each 20c; doz. $2.00

PYTHIA.—Very distinct. The immense wide-open flowers are perfect in form and gracefully placed in tall, strong spikes. Color rich bright red, suffused carmine. Extremely showy. Long lasting qualities. Don't fail to plant Pythia.
   Each 20c; doz. $2.00

PEACE.—Very popular, extensively planted. Large, white flowers, lilac feathering in the throat.
   Each 5c; doz. 50c; 100 $3.50

RICHARD DIENER.—Lively salmon-pink, suffused creamy yellow in the center. The most brilliant, glistening pink to date. The flowers are ruffled and well set.
   Each 20c; doz. $2.00

ROSE ASH.—A very distinct and beautiful pastel color—Corinthian red fading to ashes of roses, lower petals suffused yellow and speckled ruby.
   Each 8c; doz. 75c; 100 $5.00

ROSE GLORY.—A pure rosy pink, deeper in throat and edges of petals; graceful, beautifully ruffled.
   Each 15c; doz. $1.50

SCHWABEN.—Magnificent, large rich yellow. Throat marked with a rich carmine blotch. Eight to 10 wax-like flowers open at a time. Very popular.
   Each 5c; doz. 50c; 100 $3.50

OUR PRICES ARE VERY LOW, BUT THE SIZE, TRUENESS AND QUALITY OF THE BULBS COULD NOT BE BETTER. WE HARVESTED 400,000 GLADS THIS YEAR.
GLADIOLI BULBS IN MIXTURES

For those who are not so particular as to variety names, yet who want a wide range of the most beautiful shades and colors for mass planting or for cutting, we offer three separate grades.

ROUTLEDGE GOLD MEDAL MIXTURE.—An ideal mixture composed of the best named large flowering sorts grown separately and then mixed in the right proportions to make a magnificent display or for cutting the choicest blooms. No. 1 First Size Bulbs, doz. $1.00; 100 $7.50.

SUPERB CHOICE MIXTURE.—A wonderful mixture covering a wide range of colors. Unequaled for the price. No. 1 First Size Bulbs, full blooming age, doz. 40c; 100 $2.50.

PRIMULINUS MIXTURE.—These are often called Butterfly Gladiolus; they are more dainty and perhaps more graceful, as they are not so large. Excellent for cutting. Doz. 50c.

Gladiolus Special

The best bargain ever offered in a mixture of choice named varieties in medium size (about 1 inch) bulbs, that will give you nice flowers this summer and produce equal number of first or top size bulbs for the following year. Price, 50 for 90c; 100 for $1.50 (postpaid).

CHOICE HERBACEOUS PAEOANIES

Fine, hardy plants, rivaling the Rose in perfection of bloom, color and fragrance. They are at home in any climate or soil, but thrive best in deep, rich, well-drained loam. They make a gorgeous display. The Paeony is perfectly hardy. Plant in the fall or early spring and do not cover the crown of the roots over 2 or 3 inches.

Our collection of varieties is unsurpassed. Every one is a beauty of sterling merit. We send out strong roots for quick results.

COURONNE D'OR.—Large full globular flowers with imbricated petals, beautifully arranged. Color snow white flushed with golden yellow. Each 75c

DUCHESS DE NEMOURS.—Chaste and beautiful snowy white flowers of exquisite form and good size. Fine upright grower and free blooming. One of the finest. Each 50c

EDULUS SUPERBA.—Beautiful peach pink flowers produced in profusion. One of the earliest to bloom, generally by Decoration Day. Each 50c

FESTIVA MAXIMA.—This is not only the finest white in existence, but in most quarters is regarded as the queen of all the Paeonies; it combines enormous size with wonderful beauty, often 7 to 8 inches in diameter; color, snowy-white, flecked with an occasional clear purple spot on edge of center petals; early mid-season; very fragrant. A glorious flower. Each 75c

FLORAL TREASURE.—Very large and full, clear rose pink shaded with silver. Long, stout stems hold the massive flowers erect. Each 75c

FRANCOIS ORTEGAT.—Deep crimson with shades of amaranth, golden yellow, anthers; fragrant, free blooming and striking variety. Each 75c

GRANDIFLORA RUBRA.—Immense globe-shaped flowers of a rich bright red color. A very fine mid-season variety which attracts attention at once. Each 75c

LADY LENORA BRAMWELL.—A grand mid-season sort with large massive silver pink flowers, borne on stout stems. The most fragrant of all the Paeonies. One of the finest sorts extant. Each 75c

LOUIS VAN HOUTTE.—Large deep crimson flowers of globular form with fringed petals. One of the most desirable dark sorts. Each 75c

MESSONIER.—Deep crimson-scarlet flowers of fine size and form. Exceedingly free bloomer and one of the most desirable dark sorts. Each 75c

NE PLUS ULTRA.—Exquisite peach pink, petals edged pure white. Very handsome flower, produced in great profusion. Each 50c

OFFICINALLIS RUBRA.—Rich crimson flowers, the earliest of all to bloom. The "Piney" of our grandmothers' gardens. Each $1.00

PRINCE IMPERIAL.—Rich, bright red; large globular flowers on tall footstalks produced in midseason. A splendid dark colored variety. Each 75c

QUEEN VICTORIA.—Very popular, large, full, compact bloom; opens flesh white, changing to pure white, center petals tipped with carmine spots. A grand white Paeony for any purpose. Keep well when cut. Each 60c

RACHEL.—Immense crimson-scarlet flowers of great substance and form. One of the finest red Paeonies we have. Each $1.00

Paeony Festiva Maxima
LIBERTY IRIS
(Germánica)

These are among the most desirable and easiest grown of our spring flowering hardy plants, producing in May and June their showy flowers of exquisite coloring, combining the richest and most delicate tints.

Glory Collection

New and distinct varieties of great beauty and handsome, large flowers.

Each 25c; full prize collection (7), $1.50; per doz. assorted or straight, $2.50.

LIBERTY—A beautiful, rich deep blue.

LORELEY—Standards yellow, falls purple merging into canary; very gay.

MAORI KING—Standards bright yellow; falls crimson, bordered gold. Handsome, dwarf; late.

PALLIDA DALMATICA—Large flowers of a lovely silvery lavender. Tall; one of the finest.

QUEEN OF MAY—Beautiful sort, almost pink.

RHEIN NIXE—Standards purest white, falls deep violet bordered white; very effective.

SHERMAN WRIGHT—Clear golden yellow; lovely.

LIBERTY IRIS IN MIXTURE—Many fine varieties. Doz. $1.50; 100 $10.00

Three New Iris

AMBASSADEUR—An Iris which surely is most outstanding. The giant flowers on tall stems are of magnificent form and unique coloring. It will command attention in any collection. Standards, lavender suffused with bronze; Falls, velvety maroon with a purple cast; beards yellow. Flowers of remarkable substance. Price, each $1.00; 3 for $2.75

PALLIDA DALMATICA, FOLIIS VARIEGATIS
This beautiful variety is conspicuous on account of its striking variegated foliage. Every leaf is glaucus green with a broad band of creamy yellow, which makes it attractive and ornamental all year. The flowers in early spring are a true lavender and delightfully fragrant. Price, each 60c; 3 for $1.50.

MOTHER OF PEARL—A most magnificent Iris. It is impossible to describe its exquisite beauty. Falls and Standards pale bluish lavender and mauve with a faint creamy undertone producing an iridescent pearl-like tint. Each 60c; 3 for $1.75.

JAPAN IRIS—Kaempferi

These magnificent Iris are among the most beautiful of our summer-flowering plants, and are becoming more popular each season. They commence blooming about the middle of June and continue for five or six weeks. Many of these flowers measure from 10 to 12 inches in diameter; most all are beautifully veined and with contrasting colors, producing effects that are truly marvelous. We have some of the finest varieties obtainable.

Wonder Collection

Eight wonderful large flowering kinds of rare and rich colors. Grown under our own supervision and true to description. Strong roots, each 35c; doz. $3.50.

Tsutsu (No. 1)—Dark purple flower, good producer, very fine double.

Goko (No. 2)—Very large open flowers of a deep lavender, heavily veined and mottled with purple; a dash of yellow at base of each petal.

Hodai (No. 3)—Enormous spreading flowers with prominent antlers in the center. Color rich purple shading to orchid with dark veins. A lovely color.

Nishiki (No. 4)—A beautiful ruffled flower of grand size. Color a rare shade of rosy pink suffused purple, shading to a white center.

Sumida (No. 6)—Large flower, lavender shaded and veined with white.

Yamato (No. 5)—Large silky white flowers of fine form, with beautifully ruffled petals shaded and distinctly edged with lavender-blue.

Risho-no-tama (No. 11)—A fine free bloomer; a fine rich purple.

Chotojuro (No. 13)—Pure white petals, creamy white center. Antlers slightly suffused delicate pink. Very free flowering.

MIXED JAPAN IRIS—Each 25c; doz. $2.50.

PEAT MOSS (soil or humus)—We can supply in any quantity. It's NOT A FERTILIZER but improves the soil. See page 37.
LILY OF THE VALLEY

One of the most charming spring flowering plants, producing in profusion its delicate, bell-shaped, delightful, fragrant, white flowers. Valleys 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.

They are perfectly hardy and most charming planted in beds or borders around the lawn, where they can remain, increase and bloom from year to year. Plant 4 to 6 inches apart in rows 12 inches apart and cover about 4 inches.

IMPORTED PIPS, for forcing indoors or planting outside. Note.—First stock arrives in December. 4 for 25c; doz. 75c; 100, $5.00

DICENTRA (Bleeding Heart)

An old-fashioned favorite; its long racemes of graceful, heart-shaped, pink flowers are always attractive. Perfectly at home in any part of the hardy border, and especially valuable for planting in the shade.

Choice roots, 60c; large, 75c.

NOTE.—Roots in season from October to April, but early planting gives more flowers the first season.

MONTBRETIAS

Beautiful—Graceful—Very Floriferous

Quite rare and not generally known. Allied to the Gladioli. Perfectly hardy here, but should be given protection or removed where winters are severe. They are very beautiful, bright and showy summer-flowering bulbs. Delightful for cutting for vases. Flowers freely produced on tall, slender, graceful sprays. Height 18 to 24 inches. The improved varieties we offer are much larger and a great improvement over the old sorts. Plant 4 to 6 inches apart, cover 1½ to 2 inches. Plant plenty.

We offer five of the finest varieties. Special, 3 bulbs each, 5 sorts (list $1.35) for $1.25.

KING EDMUND.—New. A large flower of dark yellow. Each 15c; dozen $1.50.

FIRE KING.—Scarlet-red; produces a fine flower spike. Each, 15c; dozen, $1.50.

GERMANIA.—Very attractive and pretty; red and yellow. Each, 15c; dozen, $1.50.

CALIFORNIA.—A very fine pure yellow; good flower. Each, 10c; dozen, $1.00.

TALISMAN.—Flowers a beautiful rich dark scarlet. Each 15c; dozen, $1.50.

SUPERB MIXED.—12 named kinds mixed. Each, 7c; dozen, 75c.

PEAT MOSS (soil or humus)—We can supply in any quantity. It's NOT A FERTILIZER but improves the soil. See page 37.
Gloxinias

GLOXINIAS

One of the most charming and effective of summer flowering bulbs for the conservatory or house culture. They produce gorgeous colored flowers in many shades of color, including white, red, purple, blue, etc., etc. The throat of each flower is usually marked with white and bordered likewise (see illustration). They do best in an equal mixture of peat, loam and sand.

Choice bulbs, each 45c; doz. $4.50

Amaryllis

AMARYLLIS

These hardy flowering bulbs are very popular for pot culture and garden. Their giant lily-like flowers produced on tall stems are exceedingly rich and lasting. For pot culture, 1 bulb to a 6-inch pot. In the garden, plant 1 foot apart and cover top of bulb 2 inches.

NOTE.—Amaryllis first produce leaves which die down and then the flower spike comes up and blooms.

BELLA DONNA.—Beautiful pink, large flowers; hardy, fall bloomer. Each 50c

GIANT HYBRIDS.—Produce superb and gorgeous flowers during spring and summer in shades of pink, scarlet and maroon, marked with white. Best pot variety.

Each 85c; 3 for $2.25

Giant Hybrid Amaryllis

Calla Lilies

The Calla is one of the best winter flowering plants for room culture, needing little care beyond abundant water and an occasional washing of the leaves to keep them free from dust. Plant one bulb in a 6-inch pot. As soon as it starts growing bring to the light and heat and the result will be most satisfactory.

YELLOW ELLITIANA.—This new yellow Calla is of marvelous beauty; flowers are large rich, dark golden yellow; often 4 to 5 inches across the mouth; leaves are beautifully spotted with white. Bulbs in stock from November to May. (See cut.)

Select bulbs, each, 35c; 3 for $1.00

WHITE CALLA.—The most extensively grown; bulbs in season from September to May. Large Choice Bulbs. 30c

Extra Large, 35c; 3 for $1.00

NEW GODFREY.—Plant is more dwarf in growth; flowers lily white, very graceful and produced in astonishing numbers; come into flower quicker; will also do well in the garden for summer flowers.

Each, 30c; 3 for 75c

BELLA DONNA.—Beautiful pink, large flowers; hardy, fall bloomer. Each 50c

GIANT HYBRIDS.—Produce superb and gorgeous flowers during spring and summer in shades of pink, scarlet and maroon, marked with white. Best pot variety.

Each 85c; 3 for $2.25

TUBE ROSES

(Forget-me-nots, Hyacinths, Tulips, etc., ready September 1 each season.Free on request.)

Earl Single White Tube Rose

Remembe—Our fall catalog of Flowering Bulbs, Hyacinths, Tulips, etc., ready September 1 each season. Free on request.
TUBEROUS ROOTED BEGONIAS

Excellent for pot culture or planting in lawn beds and borders. They should be grown more extensively than they now are, for they require very little attention and are in flower, outside, from early summer until heavy frosts; inside, potted, they are a constant and prolific bloomer. They will thrive either in mild sunshine or in shade, but when fully exposed to the sun the beds must be well watered in hot weather. Add peat moss to the soil.

CULTURE.—Before planting keep the bulbs in a moist, warm place to start them, so that you can tell which is the top. Plant a foot apart in beds or 1 bulb to a 4-inch pot inside, cover about 1 inch. We offer only first size large bulbs.

DOUBLE FLOWERED.—Separate colors in pink scarlet, orange, yellow. (See illustration.) Each 35c; doz. $3.00.

GIANT SINGLE FLOWERED in separate colors of pink, scarlet, orange, yellow. Each 25c; doz. $2.75.

GIANT CRISTATA.—(See illustration.) The most beautiful of all. Flowers with ruffled edges and crested petals. Often called the ruffled double Begonia. Mixed colors only, each 40c; doz. $4.00.

GIANT CRISPA.—Beautiful large single flowers with fluted and ruffled edges (see cut). Mixed colors only, each 35c; doz. $3.50.

CANNAS

We Issue Four Special Catalogues

Aside from this catalog, we issue three illustrated descriptive and priced catalogs as follows:

BULB CATALOG.—Of imported and American bulbs for fall planting. Ready Sept. 1st each year.

PET STOCK AND POULTRY SUPPLY CATALOG.—Foods and supplies of all kinds. (December.)

NURSERY CATALOG.—Fruit, Shade and Ornamental Trees; Shrubs, Vines, Spray Pumps and Sprayers; also Garden, Orchard and Lawn Supplies.

ANY OR ALL of these Catalogs are free on request if you are interested and expect to buy.

CANNAS

Everyone knows the value and beauty of Cannas for bedding. Their large, massive, tropical-looking leaves and magnificent flowers cannot be equaled in any other plant of such easy culture. Plant outside after danger of frosts is past, 18 inches apart, in rich, deeply dug, well-prepared bed (12 plants required for a 6-foot circular bed).

PRICE.—Your choice following kinds: Each 25c, doz. $2.50, postpaid. We send growing plants.

City of Portland.—Flower rich pink, foliage green.

David Harum.—Orange-scarlet, foliage bronze.

Duke of Marlboro.—Crimson-scarlet, dark green foliage.

Egandale.—Currant-red flowers, foliage bronze.

Firebird.—Brilliant scarlet, large; foliage green.

Gaelty.—Rich reddish-orange, edged yellow.

Gladiator.—Golden yellow, spotted with scarlet.

Gustave Grumper.—Golden yellow, blotched vermilion.

King Humbert.—Orange-scarlet, bronze-yellow foliage. Best and most popular variety.

Louisiana.—Vivid scarlet, foliage green.

Rosa Gigantia.—Rich dark pink, large spikes.

The President.—Immense crimson flowers, green foliage.

Wyoming.—Large orange flowers, purple foliage.

NOTE.—Should we run short of any named variety we will substitute another of same quality and appearance unless otherwise ordered.

POTTED PLANTS.—After danger of frost, we have at our store large, potted cannas, that will give quick results. By express (not mailable), each 30c; doz. $3.00.
DAHLIAS

Each variety we offer is selected for perfection of flower, freedom of blooms and long, strong stems that hold the flowers upright. Our list of varieties will please you.

PAEONY FLOWERED

The form and style of this class vary greatly; some have flat, rounded petals; others are pointed and twisted in most fantastic style. All are beautiful and produce a profusion of flowers on long, slender stems; fine for cutting.

ELIZABETH BOSTON

New. Giant blooms of deep crimson shading to old gold at tips. Decidedly one of the largest and best of recent introduction. Each, $1.

PACIFIC SUNSET

New. A giant flower on excellent stems. Ideal shade of soft salmon; suffused apricot. Each, $2.00.

Black Beauty.—Large, dark maroon, long stems. free flowering; very fine sort. Each 25c.

City of Portland.—Color clear deep yellow; immense flowers. Each, 75c.

Freda Newman—Bright orange with bronze shading into old gold at the edges. Each, 25c.

Geisha—Very popular; blending or orange, red and yellow. Each, 50c.


James Gill—Giant, rich golden orange color. Fine for cutting; blooms all season. Each, 50c.

Laura Barnes—Large, very attractive; long stems. Bright red-orange. Each, 35c.

Mrs. Jack Green—Of immense size; beautiful form; brilliant bright crimson. Each, 35c.


Mrs. Wm. Gallaway—New. Yellow and red, yellow collar. Each, 35c.

Van Dyke—Very popular. Large artistic flowers of a rich shade of salmon rose, tinted heliotrope. Each, 35c.

DELIVERY.—We generally hold all early orders for Dahlia Bulbs until about March 1. Planting season is from April to July 1. All prices postpaid.
Our Motto — "Highest Quality" Seeds, Bulbs, Plants and Supplies

DAHLIAS — Continued

CHOICE NEW CACTUS DAHLIAS

Of the various types of Dahlias those of the well-known Cactus form are undoubtedly the most important and best liked. There is a great diversity in the forms of the various sorts, but in the main they are characterized by the long, narrow pointed petals, twisted and incurving, others straight like the illustration.

In the following list we offer only sorts of special merit, the most perfect in form of flower, profusion of bloom and with upright stems that show the flowers above the foliage, all of which makes them the most desirable for cutting or garden display.

Babe Ruth (H. C.).—Large dazzling pierre yellow. Received certificate of merit A. D. S. Each 35c

Border King.—Deep rich, glowing scarlet; large flowers, incurved petals. Each 50c

Chas. Sherbrooke.—A very beautiful and unusual color, rich scarlet, with reverse of petals old gold. Each 35c

Conquest.—Deep crimson maroon; large flowers with long twisted petals. Each 35c

Constance.—Large, creamy yellow, suffused rosy pink. Each 25c

Claremont.—New. (H. C.) An exquisite soft pink, shaded cream. Each 75c

Esther.—A fine silvery rose; large full flowers. One of the best. Each 35c

F. W. Fellows.—Very large flowers. Pure orange scarlet. Very fine. Each 50c

Guardian.—Giant glowing crimson flowers on long stiff stems. Excellent for cut flowers and exhibition. Each 50c

General Rosalie Jones.—A majestic flower of perfect form, beautiful lemon yellow; fine cut flower. Each 50c

Honesty.—White changing to pink; a fine lasting cut flower. Each 25c

Huffnung.—Of large size and exquisite coloring; chamois rose with light center; petals tipped gold. Each 35c

Kalif.—Wonderfully large and beautiful, of purest scarlet, long and strong stem. Free bloomer. Extra fine. Each 50c

La Favorite.—(H. C.) New variety. Color a beautiful brilliant salmon, shading from dark reddish-salmon in the center to salmon-pink at the twisted tips; extra long stems. Fine cut flower. Each 50c

Magnificent.—New. Immense size, flowers often 8 inches across; color a beautiful Oriental buff; overlaid with satiny rose-salmon; fine stem; very free bloomer. Each 35c

Mrs. Douglas Fleming.—Fine white mirrored petals, constant bloomer, good cut flower. Each 35c

Mrs. Freeman Thomas.—A beautiful salmon-pink; early and free-flowering. Each 25c

Phenomenal.—Long narrow twisted petals making the flower look like a huge chrysanthemum. Beautiful shade of pale salmon and yellow. Each 50c

Prima Donna.—(H. C.) Exquisite, cream flushed with delicate pink. Large and very beautiful. Each 35c

Record.—Rich orange red, shading to yellow center; very free bloomer. Each 25c

Rihenscher Frohsin.—Large incurved petals, creamy white tips. Each 50c

Tustu.—Pretty velvety maroon; very free-blooming. Excellent stems. Each 25c

Washington City.—(H. C.) Giant star-like flower of purest white, long, showy stems. Each 35c

Mrs. Edna Spencer.—Lavender shading to white center, very large flowers of beautiful form on extra fine stems. Fine for cutting. Each 50c

Dahlia Specials — Choice Varieties Unnamed

For those that do not care for the names, we offer CACTUS, DECORATIVE and PAEONY Dahlias—in separate colors, at very low prices. These lots are made up of surplus stock and small lots of not sufficient quantities to catalog, but the mixture is of only choice sorts, many new, high priced.

PRICES: Your choice of class and color in CACTUS, PAEONY and DECORATIVE varieties in shades of white, pink, red or yellow and orange, labeled by class and color only, at 25¢ each; $2.00 dozen. MIXED, ALL COLORS and varieties, 15¢ each; $1.50 dozen.

NOTE.—When planting, remove the label and fasten it to a small stake to mark the location of the bulb and keep the name for later reference.
DECORATIVE DAHLIAS

In this class of Dahlias will be found those sorts which florists and gardeners prize most highly for cut flowers. These Dahlias are characterized by their strong, erect growth and their large, well formed, handsome flowers on strong, stiff stems far above the foliage.

Amun Ray.—Gigantic flowers on erect stem; copper and orange suffused with gold and reddish bronze. A gorgeous shade. Each 75c

Dorothy Wooten.—A beautiful rose-pink; massive blooms are borne gracefully on stems three feet long. Each 35c

ELIZABET WHITE.

New. Giant graceful flower. A rich combination of coral pink and salmon; intensified by a bright amber like glow. Wonderful. Each $3.00

Freckles.—Sunflower yellow, streaked and penciled with crimson; early and profuse bloomer. Each 50c

Jersey Beauty.—A dahlia without a fault; a prize winner. Perfect, immense flowers of a vivid, glowing deep pink; a beautiful flower that will not disappoint you. Each $1.00

Jack London.—New. Giant blooms on long, stout stems; very free bloomer. Dazzling scarlet deepening in the center. Each 50c

King Albert.—Giant violet purple flowers of the richest shade, carried on rigid stems far above foliage. Each 50c

Marcella Gill.—The best rich pink. Free bloomer on extra long stems. Very perfectly formed. Each 35c

Mrs. Geo. W. Elkins, Jr.—A wonderful new dahlia of great size; color old gold suffused salmon pink; very beautiful. A prize winner. Each 75c

Mina Burgle.—A glowing deep scarlet; large size; a favorite; florist's variety for cut flowers. Each 25c

Osam Shadow.—Giant flowers on erect stems. Lovely old rose lightly suffused lilac and yellow. One of the finest of recent introductions. Each 75c

Pride of California.—A huge crimson red, shading darker to the center; very large blooms, carried on extra long, strong stems. Each 50c

Polar Star.—The purest white; long, narrow-rolled petals; large flowers on extra long stems; very early and free bloomer; one of the best. Each 35c

The Grizzly.—A giant flower; gracefully poised on very long, erect, strong stems; color rich crimson maroon, reflexed petals. Each 60c

SHOW OR QUILLED DAHLIAS

In this section we have the Dahlias of our grandmother's garden, but of improved form and size, with richly colored flowers of rounded form and quilled petals. Excellent for cut flowers. Prices: Your choice 25c each.

Bertha Bernstein.—A beautiful lavender.

D. M. Moore.—Immense size, rich maroon.

Else Burgess.—Large white, tipped lavender.

Helen Hollis.—Very large; deep scarlet.

John Tozer.—New. A large rich violet.

Tillamook.—A splendid pink shading to rose.

W. W. Rawson.—White, overlaid with lavender; large flowers.

POMPON DAHLIAS

A compact growing class of Dahlias thriving with ordinary cultivation and producing with great freedom, small perfectly double flowers of neat rounded form, upon long wiry stems. These Dahlias have become very popular with people who buy cut flowers in our store. They lend themselves to any kind of floral decoration and last remarkably well after being cut.

PRICES: Your choice 25c. Full collection, 6 choice colors, $1.25, postpaid.

Adrienne.—Scarlet, slightly tipped yellow.

Alex.—Light cerise, faintly tipped silver.

Bobby.—Deep plum color; fine.

Darkest of All.—Dark maroon, almost black.

Dew Drop.—White, edged lavender.

Golden Queen.—A beautiful bright yellow.

PLANT DAHLIAS IN AN OPEN, SUNNY LOCATION AS THEY DO NOT FLOWER FREELY IN THE SHADE.
CHOICE OREGON-GROWN ROSE BUSHES

We make a specialty of Rose Bushes and sell thousands upon thousands. Our bushes are strong, healthy, field-grown stock, well rooted, and will produce a profusion of bloom the first season, if given good care and cultivation. We enjoy the reputation of supplying the best stock at reasonable prices. The following list is the choicest of American and European introductions. All Oregon-grown; worth double Eastern or California.

FOR YOUR CONVENIENCE—CLASSIFICATION UNDER COLORS

This year we have arranged our Roses all under their predominating color, which appeals to us as the most convenient way. While the descriptions are necessarily short on account of limited space, you will get class (read abbreviations below), color and main points of merit.

SHIPPING AND DELIVERY

We can fill orders for our large 2-year-old Rose Bushes any time from October to May—around Portland the best planting time is during favorable weather from November to April, the earlier the better.

BY EXPRESS—We ship all 2-year-old Rose Bushes by express, unless otherwise instructed.

IF WANTED BY PARCEL POST.—By request we will wrap, pack and mail Rose Bushes for 10c each, 75c dozen, extra. DON'T FORGET THE EXTRA FOR POSTAGE AND PACKING WHEN WANTED BY MAIL.

QUESTION? If we are sold out and unable to supply variety ordered, shall we substitute one of equal value and color correctly labeled or send short and refund?

ABBREVIATIONS

T.—TEA—One of the best classes of Roses and truly ever blooming. They are hardy in this section, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, stronger growers.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth, free blooming.

WHITE—CREAM

British Queen (H. T.)—Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting.

Edel (H. T.)—Regarded as one of the finest white varieties. Flowers immense, of snowy white and great beauty; vigorous grower, fragrant and a free bloomer.

Florence Forester (H. T.)—Clear snow-white, with a lemon tinge. Perfect habit; very sweetly perfumed. Gold medal.

Frau Karl Druschki (H. P.)—A large, grand, hardy, pure white; best and most popular.

Kaiserine Augusta Victoria (H. T.)—A strong, vigorous grower, producing buds and flowers of enormous size; color, pure white. A very popular variety.


White Maman Cochet—Has all the good qualities of Maman Cochet, but pure white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming roses for bedding, flowering all season long and until late in the fall.

QUESTION? If we are sold out and unable to supply variety ordered, shall we substitute one of equal value and color correctly labeled or send short and refund?

Jacob W. Routledge Seed & Floral Co., Portland, Oregon.

Gentlemen: Enclosed find order and 1 also want to tell you how pleased I am with the Roses I received from you this spring. They have certainly done splendidly and hope I can get them through the winter.

Respectfully,

MRS. WILKINSON STEVENS,
ROSES — Continued

PLEASE NOTE.—Should we be sold out and unable to obtain the varieties of Roses ordered, others of a similar color and type and CORRECTLY LABELED will be substituted, UNLESS OTHERWISE ORDERED.

YELLOW ROSES

Constance—Buds long and pointed, of a rich orange-yellow streaked with crimson, passing to large, full flowers of bright cadmium-yellow. 

Duchess of Wellington (H. T.)—Intense rich saffron-yellow; very large and of fine form; beautiful in bud as well as open flower.


Lady Hillingston (H. T.)—Deep apricot yellow, long pointed bud. Each 75c

Mabel Morse (H. T.)—Very large rich golden yellow buds on fine stems. One of the finest yellow roses yet produced.

Mrs. Aaron Ward (H. T.)—Deep golden-orange, shading out to creamy-yellow at edge of petals. Beautiful deep buds. A delightful variety.

Miss Lolita Armour—A magnificent new rose of a rich chrome yellow, shaded to coppery orange. Flowers are very large, of finest form, on stout canes. A prize winner.

Souv. de Claudius Pernet (H. P.)—Very large deep golden yellow flowers on stout, thorny canes. Gold Medal rose.

Sunburst.—A giant among yellow roses; long, beautiful buds, large full gorgeous flowers cadmium-yellow with orange and copper.

PINK ROSES

Columbia (H.T.)—Of strong, vigorous growth and free bloomer. Flowers of good size, perfect in form in bud and when fully expanded. A most pleasing shade of rose-pink; fragrant.

Conrad F. Meyer.—Very hardy, free bloomer. A beautiful pure, silvery-pink. Fragrant. Each 75c

Felicity (H. T.)—Brilliant rose pink, base of petals primrose. Wonderfully free blooming and strong healthy grower. Each $1.00

George Arends or Pink Frau Karl Drusenki—A beautiful pink variety; different in color from any other rose; a free bloomer and one of the best. Each 75c

Imperial Potentate (H. T.)—A new rose of sterling merit. Strong, vigorous, healthy grower. Beautiful buds opening into a full formed, solid and lasting flower of a rich rose carmine. Sweetly scented. A winner of many prizes. Each $1.00

Lady Alice Stanley (H. T.)—Beautiful long pointed buds; large, well-formed flowers of a delicate flesh-pink, outside of petals deep coral-rose. A gold medal variety.

Los Angeles—Described by the originator as "a flame pink, toned with coral and shaded gold at base of petals." Buds long pointed and lasting flowers. Each $1.00

Don't Forget Postage

If rose bushes are ordered sent by parcel post send 10c extra, 75c per dozen, for packing and postage, otherwise we'll send by express, collect.

Lady Ashtown (H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large. Each 60c

Mrs. J. C. Ainsworth (H. T.)—A vigorous grower. Large, well-shaped buds and fine full double, delightfully scented flowers. Color of the buds on first opening are a beautiful peach blossom pink, the flowers as they develop change to a lovely crimson-pink at the center. Each $1.00

Mrs. W. C. Eagen (H. T.)—Soft rose pink with silvery shadings with golden yellow base. Finely formed buds and large handsome flower. Each $1.00

Mrs. Charles Russell.—Strong, rank growth, canes stout and thornless, clothed with handsome dark-green foliage. Flowers very large and massive. Form globular and very full. Remarkable for its fine lasting qualities either on or off the plant. Color bright rich cerise, shaded to scarlet at center. A continuous bloomer all season through. Each 75c

Madame Caroline Testout (H. T.)—One of the finest Tea Roses. Magnificent buds opening into flowers of grand size and build; very lasting and of sweet tea scent. Color deep rosy pink, inside of petals shaded silvery rose. Each 75c

Maman Cochet (T.)—One of the finest Tea Roses. Magnificent buds opening into flowers of grand size and build; very lasting and of sweet tea scent. Color deep rosy pink, inside of petals shaded silvery rose. Each 75c

BE SUCCESSFUL

Prune your rose bushes when planting—don't leave over 8 to 12 inches of top growth. Try it; you'll get better results.
TRICOLORED ROSES

Combination, Shades of Orange, Gold, Red, Pink, Yellow

Betty (H. T.)—Beautiful coppery-rose color, overspread with golden-yellow; fragrant. Each 75c

Gorgeous (H. T.)—Flowers large and full, freely produced on stiff, erect stems; color deep orange yellow flushed copper yellow, and veined with reddish copper. Each $1.00

Edith Part—Another grand exhibition rose as well as an ideal garden variety. Free branching growth with well built up flowers of great substance. Color, rich red suffused with deep salmon and coppery yellow; perfectly shaped flowers. Each $1.00

Irish Elegance—Bronze orange in the bud, opening into a very large, fluffy flower of a lighter shade. Vigorous growing and perpetual blooming. Each 75c

Independence Day—Sunflower gold smeared and stained coppery bronze and orange. Finely formed, fragrant and very free. One of the outstanding new sorts. Gold Medal N. P. S. Each $1.00

Juliet—Flowers beautifully formed, with petals of fine shape and substance. The color is a bright orange-red on the inside of petals, while the reverse side is of a rich old gold color. Each 75c

Louise Catherine Breslau (H. T.)—Coral red, shaded chrome yellow, opening to a flower of shrimp-pink, shaded coppery-orange. Each 75c

Madame Edouard Herriot (T.)—Long, pointed buds, a deep coral red color; shaded to yellow at the base; flower of a rare shade of rosy scarlet, flushed with shrimp and apricot tints. Excellent. Each 75c

Mademoiselle Cecile Brunner (Dwarf Polyanthus)—Exquisite little rose, buds dainty painted, bright salmon pink, yellow center. Each 75c

Margaret Dickson Hamill—Delicate straw color, its shell-like petals flushed at edges on the reverse side with delicate carmine-rose. Strong in growth; free blooming and exquisitely fragrant. Each $1.00

Mrs. Dunlap Best—A wonderfully strong growing and free blooming new rose from England which we regard as one of the very finest sorts. Color deep reddish apricot shaded to golden yellow at base of petals. Leathery bronze colored foliage clothes the long stout canes. A splendid garden and decorative rose. Each $1.00

Don’t Forget Postage

10c extra, 75c per doz. extra for packing and postage on Rose Bushes

Madame Butterfly—A sport from the popular new rose Ophelia, which may be said to be a glorified form of that fine variety. Flowers in this new sort all the colors are intensified, making it a rich harmony of bright pink, apricot and gold. The unopened buds are especially distinct with their lovely shades of Indian red passing to golden yellow at their base. Each $1.00

Ophelia (H. T.)—The most popular cut flower variety today. Buds orange salmon, opening to perfect full flower of dainty cream pink; super rose. Each 75c

Padre—Coppery scarlet, flushed with yellow at base of petals. Long, stout, upright canes hold flowers erect. Exceedingly free flowering. An excellent bedding variety from England that has made a fine record. Each $1.00

Queen Alexandra (H. T.)—Face of petals deep vermilion with orange colored base. Reverse of petals old gold. A rare new color in roses. Each $1.25

William F. Dreer—Soft shell pink, base of petals rich golden yellow. Sometimes the entire flower is covered with a golden suffusion. Each 75c

Shot Silk—Cherry cerise overshot with salmon-orange. Clear yellow at base of the petals. Of fine size and form. A gold medal rose. Each $1.50

Sunstar—Deep orange yellow, edged, veined and smeared crimson and vermilion. Vigorous and free. Each $1.00

Souvenir de Georges Pernet—Oriental red, tips of petals touched with cochineal. Entire flower faintly exuded with yellow very large and full on strong stout stems. Each $1.00

All 2-year-old rose bushes by express unless otherwise ordered. Read about shipping.
ROSES — Continued

All 2-year-old rose bushes by express, unless otherwise ordered. Read about shipping, top of page 91, and inside front cover. Remember, 10c extra, 75c Doz., packing and postage

RED, SCARLET AND CRIMSON

Chateau de Clos Vougeot (H. T.)—A very rich, fiery scarlet shading to deep velvety crimson; delightfully fragrant. Each 75c

Earl Haig (H. T.)—Deep reddish crimson of immense size and great substance. Splendid growing habit. Exhibition sort. Each $1

Etoll de Holland—Rich scarlet of wonderful brilliancy. Long pointed buds and large open flower. Splendid. Each 75c

General McArthur (H. T.)—A grand crimson scarlet. Elegant long buds and the flowers are very fragrant. Each 75c

General Jacquimenot (H. P.)—This fine dark red is still indispensable in any garden. Each 60c

Gruss an Teplitz (H. T.)—This is a rose for everybody, succeeding under the most ordinary conditions. Rich scarlet, shading to crimson; fragrant; a free, strong grower and in bloom all the time. Each 60c

H. V. Mackin (H. T.)—A splendid new exhibition rose; grand scarlet crimson flowers of wonderful size and form. The buds are long and pointed, unusual in a red rose. The foliage is ideal. Each 75c

Hadley (H. T.)—Color beautiful rich, bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses. Each 75c

Hoosler Beauty (H. T.)—Flowers are dark crimson, shaded with maroon and veined with black; buds beautifully formed, with fine, pointed shape, opening into large, double flower. Each 75c

Hugh Dickson (H. P.)—This superb Irish Rose stands in the front rank as a producer of the very finest brilliant crimson-scarlet roses. Of strong, vigorous growth. Each 60c

J. B. Clark (H. P.)—Deep crimson shaded maroon. Large massive flowers on stout long canes, clothed with leathery foliage. Very hardy. Each 75c

Kitchner of Kartoum (H. P.)—A dazzling single scarlet flower; in great masses. A wonderful decorative rose. Something different. Each 75c

Lord Charlemont (H. T.)—Rich crimson, flushed with carmine. Long pointed buds of exquisite formation. Sweetly scented. One of the finest new red roses. Each $1.00

Lord Charlemont (H. T.)—Rich crimson, flushed with carmine. Long pointed buds of exquisite formation. Sweetly scented. One of the finest new red roses. Each $1.00

Prince Camille de Rohan.—Very dark rich velvety crimson, passing to intense maroon, shaded black. One of the darkest roses and very handsome. Regarded as the best of its color. Each 60c

Sensation.—Bright scarlet-crimson, shaded maroon. Flowers very large, very fragrant, and come on fine strong stems. A new rose of American origin planted extensively for cut flowers. Each $1.00

Ulrich Brunner (H. P.)—Extra large bold flowers, full and globular; color, rich glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer. Each 60c

Other Varieties

If you wish some rose we do not list, write us for price. We can supply many other varieties.

BABY OR DWARF POLYANTHA ROSES

A type of roses which grow only a foot or two high, bear large clusters of flowers possessing great lasting qualities, and are always in bloom. They are fine for massing in beds, for bordering large rose beds or planted singly on the lawn. Perfectly hardy.

Your choice of the following, each 75c; doz. $7.50

BABY RAMBLER (Dwarf-bush type)—Not over 18 inches high, producing large trusses of light crimson flowers; clean, dark-green foliage.

BABY DOLL (Tip Top) Clusters of golden yellow flowers tipped with cerise. An absolutely new combination of color in this class of roses. Beautiful for cutting.

MRS. W. CUTBUSH—Clusters of pretty double, bright pink flowers; freely produced in panicles; always in bloom.

BABY TAUSENSCHON—Pale pink flowers, becoming reflexed with carminc-rose; very beautiful.

SHOULD BUSHES ARRIVE VERY DRY, bury tops and all in damp ground or immerse in a tub of water for a few days. It will benefit them very much.
Our Motto—"Highest Quality" Seeds, Bulbs, Plants, and Supplies

BEAUTIFUL CLIMBING ROSES

Beauty of Glazenwood.—Bronze yellow or copper and fawn color. One of the grandest pillar roses. Very hardy and free bloomer. Each 75c

Climbing American Beauty.—Rampant climbing rose hardy as an oak tree, producing clusters of nicely formed double flowers of a rich rosy crimson color. Each 60c

Climbing Cecile Brunner.—The flowers are produced in clusters and like the bush variety, are of exquisite form and color, being a rosy pink on a creamy white ground. Each 75c

Climbing General McArthur.—A climbing form of the fine red rose General McArthur. Splendid in every way. Each $1.00

Climbing Hoosier Beauty.—Handsome, rich crimson flowers shaded to pink. One of the best ever-blooming climbing roses yet produced. Each $1.00

Climbing Lady Ashtown.—Large rose-pink flowers shaded to yellow at center. A continuous blooming climbing rose of the greatest merit. We recommend it most highly. Each 75c

Climbing Los Angeles.—A fine climbing form of the new Los Angeles. Shrimp pink and coral color. Each $1.25

Climbing Lady Hillingdon.—The golden yellow flowers, the bronzy red foliage and the strong arching branches, make this the most desirable pillar type of the rose. Each 75c

Climbing Madame Edouard Herriott.—Coppery scarlet flushed with apricot. Strong, rapid climbing sort. Each 75c

Climbing Mrs. Aaron Ward.—Climbing form of the beautiful yellow tea rose, Mrs. Aaron Ward. Each $1.00

Climbing Sunburst.—A true pillar rose of strong growth, bearing freely very large orange-cadmium yellow flowers. Beautiful either in bud or open flower. Each $1.00

Climbing Safrano.—A beautiful pillar rose, being a strong climber; color orange-yellow or deep saffron; good size, full and sweet. A favorite variety in every locality. Each 75c

Reine Marie Henriette.—A strong, vigorous grower: flowers large, full and of fine form. Color glowing crimson, elegantly shaded. One of the best climbers. Each 75c

Silver Moon.—A magnificent white climber, large, semi-double blooms of good substance, with golden stamens. Foliage is abundant, bronze-green, and is immune to mildew. Each 75c

Shower of Gold.—A beautiful new climber of the Wichuriana type from the gardens of the famous English rosarian, William Paul. It is of very vigorous growth, with dense, glossy green foliage. Produces masses of golden yellow flowers in large clusters. Each 75c

TREE ROSES

Remember, 10c extra, 75c doz., for packing and postage

SPRAY, PRUNE and FERTILIZE your roses each year and produce prize-winners. We'll tell you "what and when." "How to Grow Roses" (by Pyle); 180 pages; $2.25, post paid.
BEAUTIFUL HARDY CLIMBING VINES

BOSTON IVY — The popular climbing plant for covering brick, stone or cement walls, etc. Fol¬iage rich olive green, turning to autumn tints in the fall. Strong plants. 50c; extra, 60c.

VIRGINIA CREEPER.—For covering trellises, arbors, etc.; large, deep green foliage; red berries in the fall. Strong plants 50c; extra strong, 75c.

ENGLISH IVY — Thick, leathery evergreen leaves. Each 35c.

MADERIA VINE — A rapid grower; dense green foliage; succeeds in any location. Each 15c; extra large 25c.

Clematis

POLYGONUM AUBERTI
(Silver Lace Vine)

One of the most desirable flowering climbers we have ever grown. Of strong, vigorous, rapid growth and producing throughout the summer and fall long graceful sprays of small, white, delicate flowers. Clean, neat foliage. Perfectly hardy. The vine in the illustration made a spreading, 15-foot growth the first season and is cut back to eves each fall. Always free of insects.

Each, 75c; Extra Strong Roots, $1.00

CINNAMON VINE

A beautiful vine of rapid growth, suitable for porches, trellises, etc.; pretty white flow¬ers of cinnamon-like fragrance. Perfectly hardy. Vines die in the fall but come up rapidly early each spring.

Small roots, 20c; 3 for 50c; Large, 25c; 3 for 65c

HONEYSUCKLE

A beautiful climber, rapid grower and very desirable. Flowers very fragrant.

Your choice. Each 60c and 75c

Halleana.—Very popular; almost evergreen; flowers white, passing to yellow.

Belgica (Monthly Fragrant)—Flowers are large; color red and yellow.

WISTARIAS

SINENSIS BLUE.—A very rapid growing, hardy climber; lovely long panicles of dark blue flowers, produced in the most wonderful profusion. Strong vines. Each $1.25

SINENSIS ALBA.—Like the preceding, but with beautiful white flowers in long panicles. Strong vines. Each $1.25

"MAKE 'EM HOP."—If you will mix a cup full of "Marvel" Fertilizer with 5 lbs. "H. Q." and work both thoroughly into the soil around your climbers, you will get wonderful growth and lovely flowers: See pages 37 and 38.
HARDY FLOWERING & ORNAMENTAL SHRUBS

NOTE—"D" following the name stands for Deciduous, "E" Evergreens.

SHIPPING.—At the prices given we send large, well-branched bushes from 2 to 5 years old, grown in the open ground. As our shrubs are, for the most part, large and heavy, we usually send them by express or freight. By request small sizes can be sent by parcel post, but you must ADD AT LEAST 15¢ to 20¢ EXTRA PER SINGLE PLANT to cover packing and postage.

ALMOND FLOWERING (D)
Elegant flowering shrubs or small trees bearing a profusion of double flowers before the leaves appear. Pink or white. Each $1.50.

BARBERRY (D)
THUNBERGI (D).—Small foliage, red in autumn. Bright scarlet berries all winter. Each, 60c. 75¢ and $1.00.

BUDDLEYA (D) Butterfly Bush
Magnifica.—Long lilac blue flower spikes. Choice plants, 75¢ each. extra strong, $1.00.

COTONEASTER
Your choice—Small, 60c; large, 75¢ to $1.00.

HORIZONTALIS (E).—Dwarf-spreading horizontal branches, bright scarlet berries. Fine for terraces or rockery.

FRANCHETTI (E).—Upright graceful, drooping habit, red berries in fall and winter.

DEUTZIAS (D)
Attractive flowers in May and June. Your choice, each, 75¢ to $1.00.

GRACILIS ROSEA.—Graceful sprays, pink flowers.

LEMOINE.—Large pure white flowers.

PRIDE OF ROCHESTER.—Flowers double; pure white, tinged with blush. growth abundant.

FORSYTHIA (D)
FORTUNI (Golden Bell).—Yellow flowers; very early in the spring. Each, 75¢ to $1.00.

GENISTA (E) Broom
Your choice, each, 60¢ to 75¢.

ALBA.—Pure white.

ANDREANA.—Red and yellow flowers.

SCOPARIA (Scotch Broom).—Yellow flowers.

SPANISH.—Yellow flowers all summer.

HAWTHORNE (D)
DOUBLE WHITE OR SCARLET—3 ft. to 4 ft., $1.50; 5 to 6 ft., $2.00.

HYDRANGEA (D)
HORTENSIA.—One of our most popular and showy lawn plants. Often grown in pots or tubs. Flowers in large flat trusses. We can supply White, Pink, or Blue. Young plants, 50c. Large plants, according to size and number of flower shoots, 75¢, $1.00, $1.50.

SHADE AND ORNAMENTAL TREES

The following are our most popular varieties. If you want some other kind, inquire. We no doubt can supply.

ASH—American White.—Upright spreading branches forming a round topped crown. Each, 6 to 8 ft., $1.50.

BIRCH—European.—Remarkable for its elegance; very graceful; silver bark and slender branches. 4 to 5 ft., $1.25; 5 to 6 ft., $1.50.

BIRCH—Weeping Cut Leaf.—The most graceful variety, quite scarce. 4 to 6 ft., $1.50 to $2.50.

CAMELOT.—American White.—Upright spreading branches forming a round topped crown. Each, 6 to 8 ft., $1.50.

CHESTNUT.—Very popular, stately shade trees. White Flowering—4 to 6 ft., $1.00. 6 to 8 ft., $1.50; 8 to 10 ft., $2.00.

Red Flowering.—No stock this year.

DOGWOOD—Cornus Nuttallia.—Produce in April or May sheets of 2½ to 3-inch white flat flowers on long slender branches. Each, 5 to 6 ft., $1.25; 6 to 8 ft., $1.50.

H. PANICULATA GRANDIFLORA.—The trees are massive cone-shaped, pure white, changing to pink and copper. Each, 50c, 75¢ and $1.00. Tree shaped, 3 to 4 ft., each, $1.50.

LILACS (D)
Single White or Purple. Each, 3 to 4 ft., 75¢ to $1.00. Larger, $1.50.

PRUNUS (D)
They flower profusely very early in the spring before the leaves appear.

P. PISSARDI (Flowering Plum).—White flowers, purple leaves. Each, 75¢, $1.00, $1.50.

P. CERASUS (Flowering Cherry).—Lovely double flowers early in the spring. Double white or pink. 3 to 4 ft. Each, $1.50.

QUINCE (D) Cydonia
JAPONICA.—Single scarlet flowers very early in the spring. Each, 75¢ to $1.00.

SPIREAS (D)
Your choice. small, 60c; medium, 75¢; large, $1.00.

VAN HOITTEL.—When in flower it is a complete fountain of white bloom; perfectly hardy and an early bloomer.

THUNBERGII.—Slender branches and somewhat drooping; foliage in autumn changes to red and orange; flowers in feathery masses appearing early.

PRUNIFOLIA (Bridal Wreath).—Slender, erect-growing and bearing very early in spring small double white flowers the entire length of its branches.

ANTHONY WATERER.—Of dwarf growth, large umbels of crimson flowers.

SNOWBALL (D)
STERILIS (Common Snowball).—Each, small plants, 60c; 3 to 4 ft., each, 75¢ to $1.00.

WEIGELA (D)
BEAUTIFUL shrubs that bloom in May, June and July.

PRICES—Your choice each 75¢ and $1.00.

CANDIDA.—Tall, beautiful, white flowers. Continuous and profuse bloomer; very hardy.

ROSEA.—Pink flowers, tree bloomer.

EVA RATHKE.—Red flowers, very fine.

GOOD BOOKS on Growing Shrubs, Landscape Gardening, etc. See inside front cover.
EVERGREEN SHRUBS AND TREES

In moving evergreens, they are generally taken up with a ball of earth about the roots; this makes it necessary to ship them by express or freight only. The stock we offer has been moved in the nursery every two years. This insures their living, and they are worth double the ordinary stock.

NOT MAILABLE.—These stocks must go by express or freight.

ABELIA
Graceful; low growing; dark glossy leaves and handsome clusters of light flowers that turn to rose pink. Small plants, 50c; select, 75c to $1.00.

ACUBA
JAPONICA.—Broad leaves, speckled and striped golden yellow. Each, $1.00; 2 to 3 ft., $1.50; select specimens, $2.50 to $3.50.

ARBOR VITAE-THUYA
Upright, compact evergreen of beautiful appearance.

AZALEA
A. CRIMSON.—Dwarf, compact growers. Foliage small; flowers dazzling crimson in the early spring. Small plants only, each $2.00 to $2.50.

BOXWOOD
DWARF (Common).—Fine for borders, edgings or low hedges. HEDGE PLANTS—Young, 6 to 8 in., each, 25c; 2 to 3 ft., $1.00; 6 to 8 ft., $3.50. Bushy, 6 to 8 in., 50c.

BUSH or TREE BOX. — Can be grown and trimmed into most any shape. Each, 1 to 2 ft., 75c, $1.00 to $2.00.

CAMELIA
JAPONICA.—Double wax-like flowers in shades of pink, red and white. Small plants, $1.50 to $2.25.

CRYPTOMERIA
ELEGANS.—Delicate green foliage and graceful habit; color changes to reddish-brown in winter. Each, small, 1$00; 2 ft., $2.00.

CYPRESS
LAWSON.—Hardy evergreen; used extensively for hedges, wind breaks; quite a rapid grower. Each, 11/2 to 2 ft., $1.50; trimmed specimens, full and compact, 21/2 ft., $2.50.

ALUMINI.—Erect grower, foliage deep bluish green. Each, 3 to 4 ft., $1.50 to $2.50.

ARIZONICA.—A tall, upright grower; fine foliage of bluish green color. Each, 3 to 4 ft., $1.50 to $2.50.

ITALIAN.—Slender upright; compact green foliage. Specimens, 4 ft. each, $2.50.

DAPHNE
ODORATA.—Glossy dark green leaves. Wax-like flowers of exquisite fragrance. Small, each, $1.50; large, $2.50.

ENONYMOUS
JAPONICA.—Leathery glossy green leaves. Each, 60c, 75c, $1.00.

JAPONICA VARIEGATED.—Same as above; leaves beautifully marked with gold. Each, 75c, $1.00, $1.50.

HOLLY
Very popular everywhere.

ENGLISH (Aquilofolia).—Buñed stock, guaranteed berry-bearing. Well balled and carefully packed. Each, 11/2 to 2 ft., $1.50 to $2.50; specimen plants, 4 ft. up, very scarce; write.

JUNIPER
IRISH.—Very desirable, pyramidal in form, foliage glaucous green; a hardy grower. Each, 2 ft., $1.25; 3 ft., $2.50.

CRIMSON.—Deep foliage, slow grower, fine form. Each, 2 ft., $1.50; 21/2 ft., specimens, $2.50.

LAUREL
ENGLISH.—Rapid growing shrub, with large oblong glossy green leaves. Excellent for large hedges or screens or ornamental specimens. Very hardy. Each plant, 50c to $1.75; large, $1.00 to $1.50 and up.

LAURUSTINUS
Bright green leaves covered in the late fall, winter and early spring with large panicles of fragrant, white blossoms. Each, 11/2 ft., 75c; select, $1.00 to $1.50.

PRIVET
One of the best hedge plants; has small pointed evergreen leaves; grows rapidly and compactly; stands severe pruning and can be kept in fine shape with little care.

ENGLISH.—Small, dark green leaf. Hardy and better than Californian.

Prices: 12 in. up, per 10, $1.25; per 50, $4.50; per 100, $8.00; 2 year old plants, 24 in., per 10, $1.50; per 50, $5.50; per 100, $10.00.

AZORITNA.—Leaves heavily variegated with golden yellow. A fine ornamental shrub for any situation; very attractive. Each, 21/2 to 3 ft., 75c to $1.00.

PYRANCATHA
EVERGREEN THORN.—Very desirable. Narrow green leaves. Small, white berries for fall and winter show. Your choice. Small plants, 60c to 75c; large, $1.00 to $1.25 up.

AUGUSTIFOLIA.—Tall growing, rich orange-yellow berries. LELANDI.—Spreading and slender habit. Can be trained against walls or buildings. White flowers in the spring followed by masses of orange colored berries.

COCCINEA.—Berries showy and lasting; of good size and crimson red. Very conspicuous in fall and winter months. Very hardy.

RETINOSPORA
Your choice. Small, 75c; specimens, $1.00 to $2.00.

PLUMOSA.—Tufted, plume-like, delicate foliage of a glaucous green color.

PLUMOSA AUREA (Golden.)—Same as above with foliage of a golden tint.

SQUARROSAL.—Foliage compact tufted, plume-like, silvery green.

SQUIRREL
Popular evergreens. They do well anywhere.

NORWAY (Excelsa).—Most generally planted. It is a pyramidal, symmetrical and rapid grower. $1.50 to $2.50 and up.

ENGLEMANI.—Very hardy and of a soft bluish foliage. Each, $2.00 to $5.00.

SITKA.—More compact and of a finer character. Glaucous, bluish green foliage. $2.00 to $6.00.

VERONICA
Prices: Your choice of the following, each, 50c; select specimens, 60c to 75c up.

LA TRAVERSAL.—Small shrub of upright compact growth; foliage green; tallest of Veronicas.

NURSERY CATALOG.—We will be glad to send you our complete illustrated and descriptive catalog of Nursery Stock. If interested write.
FRUIT TREES, BUSHES, VINES AND PLANTS

We are making a specialty of select fruit stock. This is an important branch of our business. Our manager has been in this line of work in Oregon for over 20 years. Aside from large stocks grown for us on contract, we are in close touch with the largest, most reliable and careful growers.

The expert in charge of our Nursery Department, has been actively engaged in growing and selling fruit stock in Oregon and Washington for the past 20 years, and knows "what's what."

OUR SHIPPING SEASON for the above is from November 1 to April 1. Some seasons May 1, although May is too late for best results. We advise late fall, open winter or very early spring planting while stock is dormant.

HOW WE SHIP—Unless otherwise instructed, we ship by EXPRESS OR FREIGHT, whichever is cheapest, and the buyer pays the charges.

TREES CANNOT GO BY PARCEL POST, unless you make special arrangements by letter.

CARE OF STOCK UPON ARRIVAL—If you are not ready to plant, dig a trench and "heel" in. If ground is frozen, put in a cellar and keep roots damp.

CONDENSED PRICE LIST

APPLES

Summer, Autumn or Winter Varieties.

<table>
<thead>
<tr>
<th>Age</th>
<th>Size</th>
<th>Price Per 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>One year</td>
<td>3 to 4 ft</td>
<td>40c</td>
</tr>
<tr>
<td>One year</td>
<td>4 to 6 ft</td>
<td>50c</td>
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<tr>
<td>Two year select</td>
<td>75c</td>
<td>7.00</td>
</tr>
</tbody>
</table>

CRAB APPLES—Same prices as above.

PEARS, PLUMS AND PRUNES

Your selection of any well known sorts.

<table>
<thead>
<tr>
<th>Age</th>
<th>Size</th>
<th>Price Per 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>One year</td>
<td>3 to 4 ft</td>
<td>60c</td>
</tr>
<tr>
<td>One year</td>
<td>4 to 6 ft</td>
<td>75c</td>
</tr>
<tr>
<td>Two year select</td>
<td>$1.00</td>
<td>9.00</td>
</tr>
</tbody>
</table>

CHERRIES AND QUINCES

Your selection of popular sorts.

<table>
<thead>
<tr>
<th>Age</th>
<th>Size</th>
<th>Price Per 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>One year</td>
<td>3 to 4 ft</td>
<td>75c</td>
</tr>
<tr>
<td>One year</td>
<td>4 to 6 ft</td>
<td>1.00</td>
</tr>
</tbody>
</table>

GOOSEBERRIES

OREGON CHAMPION, the most popular and profitable variety. Prices—One year, 25c each; $2.50 doz.; $13.00 per 100. Two year, 25c each; $2.50 per doz.; $12.50 per 100. If wanted by mail, add 7c each or 60c per doz. for packing and postage. Note very low prices per 1000.

GRAPES

CAMPBELL'S EARLY, CONCORD AND WOR-DEN, black sorts, or DELAWARE AND EATON, red sorts, or NIAGARA, white. Your choice. Prices—One year, 25c each; two year, 40c; selected extra strong, 50c each. 10 times the price is dozen price. By mail, add 7c each, 50c per doz. for packing and postage. Write for low 100 or 1000 prices.

DEWBERRIES AND LOGANBERRIES

Strong plants, 25c each; $2.50 doz., postpaid. Write for low prices per 100 or 1000.

BLACKBERRIES

LAWTON, OREGON EVERGREEN or HIMALAYA GIANT. Strong plants, 20c each; $2.00 doz. Postage, 7c each or 50c doz. extra. Low prices per 100 or 1000.

RASPBERRIES

RED AND BLACK

BLACK CAP—Plum Farmer or Gregg. Strong plants 20c each; $2.00 doz. Postage, 7c each or 50c doz. extra.

RED—Cuthbert or Marlboro. Strong plants 10c each; 60c doz. Extra strong 15c each; $1.00 doz. Postage 7c each or 50c doz. Write for low prices per 100 or 1000.

CURRANTS

PERFECTION, CHERRY or WHITE GRAPE—One year, 25c each; $2.00 doz. Two year, 25c each; $2.50 doz. Select extra strong, 50c each. Postage, 7c each or 50c doz. Write for low prices per 100 or 1000.

NUT TREES

ALMONDS.—IXL, Nonpareil or Ne Plus Ultra. 1 year, 3 to 3½ ft., each, 75c; 10 for $5.00; 100 for $50.00.

FILBERTS

Prices: Each, 3 to 4 ft., 75c; 10 for $5.50; 100 for $40.00.

BARCELONA. — Magnificent large nut from Spain, first quality.

DU, CHILLY.—The largest Filbert on the Pacific Coast. Nuts full fleshed and sweet.

WALNUTS—English

The Franquette grafted on California black walnut roots.

Prices: 3 to 4 ft., each, $1.75; 10 for $16.00; 4 to 6 ft., each, $1.75; 10 for $15.00; 6 to 8 ft., each, $2.00; 8 to 10 ft., each, $3.00. Write for 100 price.

SEEDLING STOCK.—Not grafted. Prices: Each, 4 to 6 ft., $1.50; 6 to 8 ft., $2.00.

NURSERY STOCK CATALOG—giving full description of above stock free on request. We will gladly mail you a copy if interested.
SELECTED STRAINS

Our strawberries are carefully grown, trimmed and packed in the best manner to insure their arrival in good, fresh condition. If you want good, strong, healthy, vigorous plants, and true to name, send to us. Our prices are right; our plants are certified and O. K.

NEW OREGON.—One of the finest and most satisfactory strawberries ever introduced. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be surpassed. The "Oregon" ripens early and continues in bearing until late in the season.

MARSHALL.—One of our best Western varieties and very popular wherever known. Marshall is one of the blood-red varieties that never fails to attract the eye and to satisfy the taste. It is deliciously sweet, generously prolific, and is in every way an ideal variety for extensive planting or home garden. Excellent for canning, as it holds its color, shape and flavor.

GOLD DOLLAR.—One of the earliest berries on the market. Fruit good, medium size, and attractive; rather tart; fine flavor, foliage heavy, large and spreading, which protects the blooms from early frosts.

MAGOON.—Very popular in many Western Oregon and Washington sections; fine quality.

1RST.—Your choice of above varieties, PREPAID, doz., 30c; 50 plants, 85c; 100, $1.50. NOT PREPAID doz., 25c; 50 plants, 60c; 100, $1.00; 1,000, $5.00; 500 plants all one kind at 1,000 rate. Ask for special prices in 3, 5, 10 or 25 thousand lots.

Progressive Everbearing Strawberries

Popular strawberries on account of their long fruiting season. Left alone, they will flower and fruit the whole season, out to secure a large crop in the late fall when berries are scarce and high in price. Keep the blooms off until the last of June. Berries medium large, rather bright red in color and of excellent quality. Extremely hardy, bearing until the ground freezes.

PRICES—Doz., 50c; 25 plants, 75c; 100, $2.00; prepaid. Not prepaid, doz., 35c; 100, $1.75 per 100; $15.00 per 1,000.
SPRAY PUMPS AND SPRAYERS

Limited space in this catalog will not permit us to fully illustrate and describe our complete line of Spray Pumps. The kinds shown below are the best in their class. Well-made and durable, regulation size and O. K. in every way.

COMPLETE CATALOG OF SPRAY PUMPS ON REQUEST

No. 210 Compressed Air

No. 210—COMPRESSED AIR. 7¼x21 inches. Capacity 3½ gal. Galvanized tank, brass plunger, etc. $6.00.

No. 211—all Brass, $9.00.

Packed for mailing, 12 lbs.

LOWELL FOUNTAIN—Best of its kind. Capacity, 3½ gal. 18x9 inches. Outside brass plunger.

No. 119—PERFECT. 20 inches long. Holds 1 quart; heavy tin. Each, 50c (P. P. Wgt. 2 lbs.) handle and shoulder strap. No. 111 all brass, $9.50; No. 110 Galvanized tank, $6.50. (Weight boxed, 14 lbs.) Extra two-foot extension rods, 75c each.

No. 29—BRASS BUCKET PUMP. Excellent in every way. Continuous spray. Weight, 12 lbs. Price, $5.00.

No. 101-A Glass Tank

No. 101-A—Glass Mason jar reservoir, spray proof, powerful sprayer, 19⅜ inches long, double spray tubes. Price, $1.00. (P. P. Wgt. 4 lbs.)

LOWELL Continuous Sprayer

LOWELL CONTINUOUS. Improved style, strong and durable; 2 nozzle caps. A continuous sprayer 3 times as fast with one-third the effort. Length, 20 in. Capacity, 1 qt. Each: Tin, 90c; Galvanized, 1.00; All Brass, $1.25. (P. P. Wgt. 2 lbs.)

No. 125—PERFECT. 20 in. long; capacity, 1 qt.; heavy tin, 50c. No. 125, same style, galvanized, 75c; No. 127, all brass, $1.00. (P. P. Wgt. of all, 2 lbs.)

No. 118—Same style as 125 but capacity ½ pt. Price 45c, and No. 122, capacity ½ pt., 35c. (P. P. Wgt. 1½ lbs.)

POWDER SPRAYERS OR BLOWERS

No. 2 DUST GUN—Best of its kind. Length, 16¾ inches; diameter, 1½ inches. (P. P. Wgt., 1½ lbs.) Price, 75c.

No. 1 DUST GUN—Large, powerful blower; very satisfactory in every way. Barrel length, 16 inches; diameter, 3 inches; extension, 12 inches. (P. P. Wgt. 2½ lbs.) Price, $1.25.

Defender

1 oz. Gun

25c Postpaid

Our Motto—"HIGHEST QUALITY"

Garden and Spray Hose

SPRAY PUMP CATALOG—Fully illustrated and descriptive on request
SPRAYS, INSECT AND RODENT KILLERS

Don't wait until the fungi, such as mildew, rust, black spot, etc., have attacked your roses and trees. The fungicide sprays are merely preventatives and should be used in the fall and early in the spring before the buds open. After the disease has developed it may be too late to save the plant.

DESCRIPTIVE CATALOG, LEAFLETS, BOOKLETS, etc., on many of the following Sprays and Insecticides free on request. Tell us your trouble and we will gladly advise you.

NOTE.—Full directions on each container.

ANFO-NICOTINE SPRAY.—To kill aphids and all sucking insects. 1 pint to 4 gal. water. Prices: ½ qt., 35c, or 45c mailed; pint, 65c, or 75c mailed; qts., $1.00.

ANFO-BITE FREE.—A fragrant powder to apply to face and hands to keep mosquitoes and gnats away. 35c per can; postpaid, 40c; or 3 for $1.10.

ANT KILLER—ANTROL.—Is the most effective eliminator of Argentine and honey dew loving ants known. The largest nurseries and thousands of homes on the Pacific Coast use it exclusively. Antrol is harmless to children or pets, yet eliminates the entire ant colony—quickly and surely. Prices: Cottage set of 9 storm-proof receptacles and 6 oz. of Antrol Syrup, $1.75. Syrup only: pt., 75c; qt., $1.25. Descriptive leaflet on request.

ARSENATE OF LEAD (Powder).—For eating and leaf-chewing insects, codling moth on fruit trees. The fungicide sprays are merely preventatives and should be used in the fall and early in the spring before the buds open. After the disease has developed it may be too late to save the plant.

BLACK LEAF 40.—To kill green and wooly aphids, thrip, plant lice, codling moth and all sucking insects. Prices: 1 oz. bottle, 35c; makes 5 gal.; ½ lb. can, $1.25 (47 gal.); 2 lb. can, $3.50 (240 gal.); 10 lbs., $13.50 (1000 gal.) Note: Use 1 lb. Fish Oil Soap to 10 gal. water and add Black Leaf 40.

BORDEAUX MIXTURE (Powdered).—For blight, mildew, rust and fungus diseases. Apply dry as a powder or 1 lb. to 5 gal. of water. Prices: 1 lb., 40c; 5 lbs., $1.50; 10 lbs., $2.75.

BUG DEATH.—Non-poisonous to humans, birds or animals, but it sure gets all chewing insects, aphids, tomato beetle and helps prevent blight. Prices: 1 lb. can, 50c; 5 lbs., $1.00; 12½ lbs., $2.00. Postage extra.

BUHACH INSECT POWDER.—Kills flies, fleas, bedbugs, etc. Small bellow pkt., 10c; large, 25c; 3 oz. can, 40c; 6 oz., 75c; 12 oz., $1.35.

CARCO VEGETABLE SPRAY.—For destroying and preventing grubs and maggots on turnips, radish, cabbage, etc. Use 1 part Carco to 125 parts water. Descriptive pamphlet and testimonials on request. Prices: ½ pint, 50c; pint, 75c; qt., $1.25; gal., $2.75.

CYANOGENIC SPRAY.—For fumigation of greenhouses to kill black, green and white fly, thrips, soft scale, etc. Prices: 1 lb., 75c; 5 lbs., $3.00; 25 lbs., $10.00.

CORROSIVE SUBLIMENT.—For treating potatoes, grain, etc. Prices: 4 oz., 75c; 8 oz., $1.25.

CARBOLA.—Cold water Paint.—A white paint and disinfectant combined in powder form. To be mixed with water. 1 lb. to 100 sq. ft. Prices: 5 lbs., 85c; 10 lbs., $1.50; 50 lbs., $6.25.

FLY SPRAY.—FLYROL.—Non-poisonous; will not stain the daintiest fabrics, yet kills all flies, moths, mosquitoes, roaches, bedbugs, spiders, fleas, etc. The cheapest and best fly spray on the market for household use. No unpleasant odor. Prices: Pint, 65c; qt., $1.29; gal., $3.25.

DAIRY BRAND FLYROL.—Use outdoors. Highly effective for dairies, stables, barnyards, chicken-houses, rabbit pens, dog kennels, trash piles and in swamps: "Dairy Brand Flyrol" is absolutely guaranteed. Prices: ½ gal., $1.25; gal., $1.55; 5 gal., $7.50.


FLY FOIL.—Highly recommended as a house fly spray and killer. 8 oz. or 30c; pt., 50c; qt., 90c. Small sprayer and 5 oz. liquid, 50c.

FISH OIL SOAP.—For aphids, plant lice, etc., and to mix with Black Leaf 40 to make it stick to foliage. Prices: Small cake, 10c; lb., 25c; 10 lbs., $2.00; 100 lbs., write.

FORMALDEHYDE.—For treating grain, potatoes and bulbs. Pint, 60c; qt., $1.00; gal., $3.25.

GAS BALLS.—Rodent Killer. A new product of real merit to eradicate ground squirrels, prairie dogs, rabbits and pocket gophers. When these gas balls are lighted and rolled down into the burrow they produce a deadly, poisonous gas that carries death to any living rodent in the burrow. They are non-explosive and non-poisonous to handle. Use one or two balls per burrow. Safe, sure and inexpensive. Full directions with each order. Price: 6 for 30c; doz., 50c; 3 doz., $1.25, postpaid. Carton of 125 balls, $3.00. Wgt., 14 lbs. Postage extra.

GOPHER SCENT.—For gophers, squirrels, etc. It will give results or you can have your money back. Prices: 8 oz. can, 35c; 12 oz., 50c; 25 oz., $1.00.
Sprays, Insect and Rodent Killers—Continued

GRAFTING WAX.—1/4 lb., 25c; 1/2 lb., 35c; 1 lb., 60c. Add postage if wanted by mail.

HELLEBORE POWDER.—For killing slugs, currant worms, etc. Non-poisonous to mankind. Use as a powder or 1 oz. to 8 gal. of water. Prices: 1/4 lb., 40c; lb., 75c; postage extra.

LIME AND SULPHUR SPRAYS.—For scale, insects of all kinds, fungus, scab and blister, etc.

LIME AND SULPHUR SOLUTION.—(Liquid 1 to 9 parts of water). Prices: Qt., 30c; gal., 75c; 3 gal., $2.25; 50 gal., write.

LIME AND SULPHUR DUST.—Dry Mixed—12 to 15 lbs. to 50 gal. water for dormant spray. One-quarter strength for summer spray. Prices: 1 lb., 30c; 5 lbs., $1.15; 10 lbs., $2.25; 25 lbs., $4.25; 100 lbs., write.

NICO—FUME LIQUID.—For spraying or vaporizing: 1/4 lb., tin, 75c; 1 lb., $2.00; 4 lb., tin, 75c; postage extra.

NICO—FUME FUMIGATING PAPER.—Price per can of 24 sheets, $1.25 (wgt., 1 lb.); 144 sheets, $5.25 (wgt., 4 lbs.); 200 sheets, $9.50. (P. P. wgt., 8 lbs.) Add postage if wanted by mail.

NICO—FUME TOBACCO POWDER.—Full information on cans. 1-lb. can, $1.00; 5 lbs., $4.00; 10 lbs., $7.50. Postage extra.

NIAGARA SPRAY DUSTS.—Get a good powder gun and with Niagara Dusts you can control most all garden pests.

No. 1.—Kills insects and worms that eat or chew foliage of plants. Lb. can., 40c.

No. 2.—Kills sucking insects like aphids, lice, etc. Lb. can., 60c.

No. 3.—Rose mildew, blight and fungus troubles. Lb. can., 45c.

No. 4.—Rose Special for mildew, fungus and leaf eaters. Lb. can., 35c.

No. 5.—Kills mildew, etc., and chewing insects. Lb. can., 50c.

No. 6.—“All-In-One” Combination Dust. To prevent disease and attacks of insects. Start early and use it all season. Lb. can., 60c.

NIAGARA POLICE UNITS consists of 1 can each of above dusts and a powder gun. Full instructions. Price complete, $4.00.

PRUNING COMPOUND OR PAINT. Always use it over new cuts. It forms an elastic film that seals open cuts. Prices: Qt. cans, 65c; gal., $2.25.

RAT POISONS. We have tried out dozens of kinds and recommend the following as being the best:

RAX.—Non-poisonous to humans, cats or dogs, but a veritable “flu” to rats and mice. Price, 75c, postpaid 80c.

RAT SCENT.—A perfect rat poison all ready to use. Dogs and cats won’t eat it but rats and mice will take it in preference to any other food. Price: 8 oz. can., 35c.

RAT NIP.—It’s a paste in tin tubes. Squeeze it out on bread, etc. Rats and mice can’t resist it. Price, 35c.

SCALE DESTROYER.—OIL SPRAY. For San Jose scale, etc, 1 to 20 parts water, winter, and 1 to 100 for summer. Prices: Qt., 50c; gal., $1.50; 5 gal., $6.75.

SEMESAN.—SEED DISINFECTANT. Controls diseases, improves and hastens germination, produces sturdier plants, increases crop yield and improves quality. There is no question about the value. Semesan is a powerful powder, used as a dust or mixed with water for treating all kinds of seeds, roots, tubers and bulbs. Write for free leaflets and booklets giving full information. Leaflets on special crops if asked for.

Prices: Dupont Semesan—for most crops—2 oz., 50c; 5 oz., $1.00; lb., $2.75; 5 lbs., $15.00. Larger quantities, write. Semi-Semesan Bell for potatoes: Lb., $1.75; 5 lbs., $8.00; 25 lbs., $37.50; 100 lbs., $140.00.

SLUGS, ETC. USE SNAROL. A meal that quickly destroys cutworms, sow bugs, earwigs, grasshoppers, snails and slugs. Merely sprinkle Snarol around and under planted vegetation insures them against destruction. Will not in any way destroy plants and rain does not destroy its value. The only effective garden slug destroyer we have ever used. Prices: 1 lb. pkg., 40c; 3 lb. pkg., 55c; 15 lb. bag, $2.25.

SULPHUR POWDER.—(Flour).—lb., 10c; 3 lbs., 25c; 10 lbs., 75c; 100 lbs., write.

SULPHUR CANDLES.—For fumigating. Each, 15c; 2 for 25c, postpaid.

TALBOT’S INSECT POWDERS.—These very effective powders highly recommended.

ROACH POWDER.—Ant Powder and Bedbug Powder in 50c and 50c cans. Postage, 5c extra.

TREE TANGLEFOOT.—A sticky compound to band trees or large plants to prevent crawling insects from going up the stalks or trunks. Prices: 1 lb. can., 60c; 5 lbs., $2.75; 10 lbs., $5.25. Postage extra.

TOBACCO DUST.—1 lb., 15c; 10 lbs., $1.25.

VOLCK.—A powerful insecticide, found to be perfectly safe to use on fruit, shade and ornamental trees and shrubs, evergreens, roses, garden and tender greenhouse plants. Kills and controls red spider, white fly, aphids, mealy bug, mites, mildew, codling moth and San Jose scale. Volck is non-poisonous, pleasant to use. Mixture with water. Fruit growers have used carloads with wonderful results. Special pamphlets with instructions on request. Prices: 1/2 pt., 50c; pint, 75c; qt., $1.00; gal., $3.00; 5 gal., $12.00; bbl. price, write.

WEED KILLER.—For killing grass and weeds on tennis courts, paths and roadways. Use 1 part Weed Killer to 40 parts of water and apply with sprinkling can. Prices: Qt., 65c; gal., $1.85; 5 gal., $8.00. Write for bbl. price.

WHALE OIL SOAP.—Ortho brand liquid spray soap. High grade and in more convenient form than bar soap. Pint, 50c; qt., 75c; gal., $1.50; bbl. price, write.

Note: Fish oil soap in bars under “F.”

OUR NURSERY SUPPLY CATALOG WILL GIVE MORE INFORMATION AND INSTRUCTIONS ON ABOVE SPRAYS, ETC.—WRITE, IT’S FREE.
Miscellaneous Supplies and Tools You Need

**HAND WEEDERS**

Several good styles. Diamond (see cut No. 4), 25c; Beet, hoe style, 20c; Fork (see cut No. 5), 25c; Excelsior, five-claw (see cut No. 2), 25c; Lang's (see cut No. 3), 25c.

**MAGIC WEEDER.—Style “A,” 15c; postpaid, 10c; Magic “B,” 18-inch, 25c; postpaid, 35c; Magic “C,” 35c; postpaid, 45c; Magic “D” or “E,” see cut, 50c; postpaid, 69c.

**WOODEN LABELS**

The tree and pot labels we offer below are strictly No. 1 labels, smooth and well made. The painted labels are “really painted,” not dipped in oil. Ordinary lead pencil writing on the painted labels is always readable for a year or more.

**Tree Label**

<table>
<thead>
<tr>
<th>Wgt. Per M</th>
<th>12</th>
<th>100 M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painted, 4 in. (P. P. 3 lbs.)</td>
<td>$0.10</td>
<td>$0.25</td>
</tr>
<tr>
<td>Painted, 5 in. (P. P. 4 lbs.)</td>
<td>$0.10</td>
<td>$0.30</td>
</tr>
<tr>
<td>Painted, 6 in. (P. P. 5 lbs.)</td>
<td>$0.10</td>
<td>$0.40</td>
</tr>
</tbody>
</table>

**Pot Labels**

Same style as above, but thicker and wider.

<table>
<thead>
<tr>
<th>Wgt. Per M</th>
<th>12</th>
<th>100 M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painted, 8 in. (P. P. 20 lbs.)</td>
<td>$0.15</td>
<td>$0.30</td>
</tr>
<tr>
<td>Painted, 10 in. (P. P. 25 lbs.)</td>
<td>$0.25</td>
<td>$0.50</td>
</tr>
<tr>
<td>Painted, 12 in. (P. P. 30 lbs.)</td>
<td>$0.30</td>
<td>$0.60</td>
</tr>
<tr>
<td>Painted, 18 in. (P. P. 72 lbs.)</td>
<td>$0.35</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

**FLOWER POTS—WRITE FOR PRICES**

**BROADCAST SEEDERS**

NEW CYCLONE.—Guaranteed to broadcast any kind of farm seed. Can be regulated to sow any amount per acre. Holds ½ bushel. Illustrated leaflet on request. (P. P. wgt., packed, 4 lbs.) Price, $2.25.

**PLANET JR. SEEDERS AND CULTIVATORS.—We stock them. Catalog free.**

**Corn and Potato Planters**

Save time, labor and backache. Add postage if wanted by mail.

**ACME CORN PLANTER.—(See cut No. 6.) A two-handled planter, light and durable. Adjustable from large to small corn and beans.** (P. P. wgt., 6 lbs.) Price, $1.25.

**EUREKA TUBULAR POTATO PLANTER.—(See cut No. 7.) Plants any size seed, and at an adjustable uniform depth. Opens automatically by forward movement; most satisfactory in every way.** (P. P. wgt., 5 lbs.) Price, $1.75.

**PINGREE POTATO PLANTER.—(See cut No. 8.) Similar to the tubular, but has no tube. You lift the planter up to drop in the potato.** (P. P. wgt. 5 lbs.) Price, $1.25.

Do not forget postage if wanted by mail.
Barker Weeder, Mulcher and Cultivator

The Barker is three garden tools in one. It has no delicate parts to get out of order and is always ready for use. For deep cultivation use the machine as shown in the illustration and for weeding and pulverizing the top soil you simply turn it over. No changing or adjusting necessary. The revolving reel blades, working in combination with the stationary weeder-knife, destroys the weeds, pulverizes the clods, aerates the soil. The machine is so adjusted that there is about % of an inch space between the reel blades and the stationary knife, the blades revolving over the knife, granulate the top crust so that the soil pours evenly over the knife, leaving a level, perfect soil mulch.

You can do this work as fast as you can walk. We recommend the Barker; it’s fast and easy work to operate it.

If the top soil is baked or hard, use the weeder side first and then reverse it and use the cultivator teeth for deeper work. Long, strong handle with cross bar hand grip.

The Barker works to perfection in all soils except large gravel or rocky soil. Descriptive and Illustrated folder on request.

Prices and Sizes—No. 6-D—6 inches wide, $9.25; No. 8¾-D—8¾ inches wide, $10.60; No. 10-D—10 inches, $11.75; No. 11-D—11 inches, $12.60; No. 12-D—Largest size (12 inches), $13.50.

RAFFIA

Natural color, highest quality. Long fiber. Price per lb., 30c; 10 lbs., $2.50; 25 lbs., $5.00; postage extra. Write for quantity price.

NEW AND UP-TO-DATE BOOKS

At your leisure you can learn in a few hours’ study and experimenting to find out. Space will gladly send fuller descriptions upon request.

All Prices

GARDEN GUIDE.—The amateur gardener’s hand book. 275 illustrations; covers all subjects. Paper cover, $1.10; cloth, $1.65.

MILADY’S HOUSE PLANTS.—Tells you how to be successful with house plants. Paper cover, 90c; cloth, $1.10.

HOW TO GROW ROSES (Robert Pyle).—189 pages fine illustrations. A valuable guide. Cloth cover, $2.25.

ROSES AND THEIR CULTURE (Hubbard).—128 pages, clear and concise. Cloth cover, $1.50.

PRACTICAL PLANT PROPAGATION (A. C. Hottes).—180 pages. The art and science of increasing plant stocks. Profusely illustrated. Cloth cover, $2.45.

PLANT CULTURE (Oliver and Hottes).—New and complete guide; 444 pages; concise and authentic. Cloth cover, $3.75.

HOME FRUIT GROWER (M. G. Kalna).—Covers all subjects. Illustrated. Practical guide. Paper cover, $1.10; cloth, $1.65.

LITTLE BOOK OF ANNUALS (A. C. Hottes).—A reliable guide throughout the season; 126 pages. Paper cover, $1.10; cloth, $1.65.

LITTLE BOOK OF PERENNIALS (A. C. Hottes).—For amateurs and professionals. Paper cover, $1.10; cloth cover, $1.65.

PRACTICAL LANDSCAPE GARDENING.—New guide by Gridland. None better. 33 plans, 158 illustrations, 206 pages. Cloth cover, $2.65.

SEED DRILLS—CULTIVATORS

Planet Jr. Catalog gives full information of up-to-date wheel hoes, drills, etc. Free.

Other Valuable and Worth While Books

Asparagus. Hexamer ................................ $1.25
Bulbs and Tuberous Rooted Plants. By Allen. Complete practical. 312 pages .................................. 2.25
Butter Making. C. A. Publow ................................ 1.25
Making Cheese. By Dover .................................. 1.50
Modern Dahlia Culture. By Wate. 126 pages, up to date, cloth cover .................................................. 1.65
New Onion Culture. Greiner ................................ 1.25
Profitable Dairying. C. L. Peck ................................ 1.50
Rhubarb Culture. New. Morse & Fiske ......................... 1.25
Bush Fruit Production. New book by Van Meter—Raisin Your Own Raspberries, Blackberries, etc. Cloth...........................................
Selling Crops and the Silo. Shaw ................................ 2.25
Success With Hogs. By Dawson. 268 pages ................. 1.50
Tomato Culture. Tracy ......................................... 1.30
Tomato Production. New. By Paul Work ......................... 1.50
The Potato. Fraser ............................................ 1.25
The Strawberry. New edition. By Fraser. 128 pages, cloth ...........................................
Descriptive Leaflets on “Standard Gardening Books” on request.

POULTRY, BIRD, CAT, DOG AND RABBIT

Books described and priced in our Poultry & Pet Stock Catalog which is free on request.

GARDEN TOOLS OF ALL KINDS

Limited space in this catalog does not permit us to illustrate our large and complete stock of Rakes, Spades, Hoes, Shovels, Pruning Knives and Shears, Grass Hooks or Sickles, Grass Edgers and Cutters, Lawn Mowers and Lawn Rollers, Gopher, Mole, Rat and Mice Traps, Flower Pots, Jardinières, Garden Urns Etc. If interested in High Quality tested stock of this kind send for illustrated and priced NURSERY AND SUPPLY CATALOG.

Remember—Our Fall Catalog of Flowering Bulbs Ready September 1st.
SONG AND CAGE BIRDS

We are the largest importers and dealers in Birds and Gold Fish and Pet Stock Supplies in the Northwest. This department of our business has grown rapidly and we have incorporated the Routledge Bird, Pet and Animal Company with headquarters at our new East Side Store, Grand Avenue and Stark.

We Guarantee Our Singers and Will Exchange If Not Satisfactory

IMPORTED AND AMERICAN CANARIES

Their cheery song is like sunshine to the soul; their bright plumage, active ways and cheerful dispositions make them great favorites. For your convenience we have enclosed with glass "Bird Parlors" on our first floor. You are welcome any time. Come in and see our birds and hear them sing.

ST. ANDREASBERG. World-renowned and the sweetest singers on earth. These birds have been given a musical training; their song is sweet and soft with many rare and pleasing notes, thrills, rolls, etc. Imported only. Singers $15.00. Females, $2.50.

HARTZ MOUNTAIN ROLLERS. Beautiful and incessant singers, always bright, active and cheerful. Note—When ordering tell us if you prefer a loud or medium loud singer. Singers, $7.50; Selected Singers, $10.00; Females, $1.50.

HARTZ MOUNTAIN SINGERS. The well-known and popular American-bred canary. No exchange on these birds. Males, $5.00; Females, $1.00; Selected Females, $1.50.

PARROTS AND PAROQUETS

AUSTRALIAN PAROQUETS—Often called Lovebirds. A little larger than a canary in size, long tails, plumage green, very intelligent and beautiful. Each, $5.50; pair, $10.00.

PANAMA PARROT—The most popular with our trade. Easily taught. Deep green plumage. Young, 6 to 8 months old, each, $30.00; Trained Talkers, $50.00 and up.

B B OR DWARF PARROTS—Their gentle disposition and winning ways make them great favorites. Green plumage. Each, $10.00.

BIRD CAGE SUPPLIES

All prices post paid; 5c less if called for.

CAGE CUPS.—Open or closed tops, opal or plain glass. Each, 25c, or 2 for 35c.

SQUARE CAGE CUPS.—Or round cups, 25c.

TONIC OR MEDICINE CUP.—15c, 2 for 25c.

GLASS BIRD BATH HOUSE.—$1.00, or $1.10 postpaid.

BATHING DISHES.—Oblong, 25c and 30c.

BIRD NESTS.—Wire or willow, 25c.

NESTING HAIR.—15c, 2 for 25c.

CAGE SPRINGS.—Single light, 15c; heavy, 25c; double, 35c; single with adjustable chain, 35c.

CUTTLE BONE HOLDERS.—15c; with bone, 20c.

WALL BRACKET HOOKS.—Heavy nickle plated round wire, 10 in., 35c; 12 in., 50c. Brass, 5c higher.

BRASS BIRD CAGE STANDS.—Not mailable. Half circle, $4.00; full circle, $5.00.

PARROT CAGES.—Round, $4.25 to $7.00; square, $9.00 to $18.00. Prices based on size.

PARROT STANDS with adjustable tray, $15.00.

CANARY BIRD CAGES

We believe we carry in stock the largest and only complete stock of Plain and Fancy Bird Cages in the Northwest.

ENAMEL WIRE CAGES range in price from $2.50 to $6.00. Bright Steel about the same prices.

Plain Brass Cages, $3.75 to $8.00. Round Brass Cages from $4.00 to $7.50. Fancy Round, $15.00 up. Fancy Brass (oblong), square base, $11.00 to $15.00 and up.

See our Illustrated Pet Stock Catalog for details.

ROBIN CAGES.—Used mostly for breeding and display stock cages, as they come in large sizes, $5.85, $6.85, $7.85, $8.85 and $9.85 for No. 85, which is 24x14x23 inches in size.

BREEDING CAGES

All metal, enameled white, all complete.

No. 86 Single, 17½x8¾x14 in. high ........... $5.00
No. 86 Double, 19½x16x14¾ in. high ........ $6.00
No. 87 Double, 22x11x16¾ in. high .......... 7.00
No. 88 Double, 24½x12½x17 in. high ........ 8.50

REMEMBER—Our POULTRY AND PET STOCK SUPPLY CATALOG gives full descriptions and illustrations. Free on request.
Routledge H. Q.—"Highest Quality"—Bird Foods

We are making a specialty of Bird Foods and Remedies and carry in stock the largest and only complete line in the Northwest. Our rapidly increasing trade shows that the public appreciates the opportunity to get H. Q. "HIGHEST QUALITY" foods and remedies of "MERIT" for their pets.

H. Q. ROLLER BIRD SEED

Our own special mixture for Hartz Mountain and St. Andreasberg Canaries; especially prepared for the singers. Contains no hemp, but the correct proportions of highest quality recleaned Canary, Sweet Rape, small Golden Millet and a few other seeds to give health and "pep" to the singers.

It is no wonder that thousands of canaries die annually from the effects of common Bird Seeds put up by grocery and drug companies. It is generally old, musty or dusty, inferior seeds, and not correctly mixed.

Try a package of our H. Q. and note the difference and also the saving, even though it is a little higher in price.


Price, large full pound cartons, with small envelope of Bird Sand and piece of cuttlebone, 25c lb. Add postage if wanted by mail.

H. Q. HEMP SEED.—Hemp is the large, round, dark-grey seeds found in all cheap mixtures. It is very heating and fattening and should be fed sparingly and not to singers at all.

H. Q. CANARY.—There is a big difference in the stock and quality of canary. Buy our recleaned imported seed. Quantity price on request.

H. Q. MILLET.—Small golden soft shell, fresh and recleaned Lb., 15c; 10 lbs., $1.25

H. Q. SWEET BIRD RAPE.—Easily detected by the sweet taste. Beware of cheap rape. Large or small seed.

"H. Q." CRYSTAL AGATE BIRD GRAVEL.—A new and ideal product, becoming very popular with bird fanciers. 2-lb. carton 15c

NOTE.—Add postage to all foods

These H. Q. Remedies are our own preparations and fully guaranteed. Our own experts and our Veterinarian know pet stock, their ailments and best cures. Consultation free. Complete Instruction in each carton.

A "Tonic" or "Medicine Cup" is the ideal way to feed these special foods. Only 15c, postpaid.

ROUTLEDGE BIRD SEED CAGE.—Contains recleaned Canary, Scarlet Rape and Small Golden Millet. For the birds that need a tonic. 2-lb. carton 35c, postpaid.

ROUTLEDGE BIRD TONIC RESTORER.—For loss of voice and song. A wonderful preparation in dry granulated form. Used in conjunction with our liquid Song Tonic, alternating daily, invariably restores the song quickly. Postpaid 25c.

ROUTLEDGE BIRD STARTER.—A change from common Bird Seeds and mixtures. Especially prepared for the young canary. 10-lb. carton 30c, postpaid.

ROUTLEDGE BIRD LINIMENT.—One of the greatest remedies for diseases of the feet and legs of birds, also for skin troubles. Postpaid 25c.

H. Q. CAGE WASH (Mite Destroyer).—Table- spoonful to a quart of hot water. 25c, postpaid 30c.

H. Q. BIRD LICE DESTROYER.—Put up in a powder blower, all ready to use. 35c, postpaid 40c.

H. Q. BIRD INSECT POWDER.—For bird lice, etc. Pkt., 15c; large pkg., 30c, postpaid.

H. Q. DEPLUMING MITE LIQUID.—For loss of neck and head feathers. Postpaid, 30c.

CUTTLE BONE.—High grade, large size. Each, 10c, or 2 for 15c, postpaid; with patent fasteners on holders, 10c and 15c, postpaid.

ROUTLEDGE BIRD OINTMENT.—To keep down the unusual dryness of the epidermis. Don't neglect the bird's feet and legs. Use this ointment for scales, roughness and leg mites. Postpaid 25c.

ROUTLEDGE DIARRHOEA REMEDY.—The best that money and skill can produce, without a peer for quick and healthful results. Use our Bird Laxative first. Postpaid 25c.

SPRATT'S COD LIVER OIL NESTLING FOOD.—For young birds. Pkg. 20c; 2 for 35c.

PARROT FOODS—TONICS, ETC.

H. Q. MIXED PARROT SEEDS.—A change from straight sunflower. Lb., 25c; 5 lbs., $1.00; postage extra.

H. Q. SUNFLOWER.—Plump seeds, recleaned properly cured. Lb., 25c; 5 lbs., 90c; postage extra. Large Black Imported Seed, Lb., 25c; 4 lbs., 90c; postage extra.


PARROT SPRAY.—Per bottle, postpaid, 60c.

PARROT BISCUIT.—Postpaid 35c.

PARROT HEALTH FOOD.—Postpaid 35c.

Our Motto—'Highest Quality' Seeds, Bulbs, Plants and Supplies
ST. HELENS

STANDARD ST. HELENS

We have made arrangements to be sales agents for these up-to-date, well-made, successful hatchers. The 1928 St. Helens Incubators are the result of 25 years' practical experience by a practical poultryman who knows "what's what" and who has made a real success, and who is willing to let you be the judge. They are fully guaranteed for 10 years.

Portland Prices.—All of the new standard incubators are fitted with automatic egg turners and a new metal enclosed lamp chamber, making them fireproof.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 Egg</td>
<td>$14.50</td>
</tr>
<tr>
<td>110 Egg</td>
<td>$18.75</td>
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<tr>
<td>140 Egg</td>
<td>$23.25</td>
</tr>
<tr>
<td>280 Egg</td>
<td>$31.00</td>
</tr>
<tr>
<td>420 Egg</td>
<td>$43.50</td>
</tr>
<tr>
<td>560 Egg</td>
<td>$57.00</td>
</tr>
</tbody>
</table>

ST. HELENS ELECTRIC INCUBATOR

The most complete, practical and efficient incubator operated by electricity. Successful in every way. Convenient, safe and no trouble—simply attach to any lamp socket of 110 volts (other voltage to order).

Has the same perfect construction as the new Filtered Air lamp heated incubators. Complete booklet on request.

Price—You can have one, two or three sections at $62 per section of 320-egg capacity.

ORDER EARLY
DON'T WAIT
FOR THE
CHICKS
TO HATCH

ST. HELENS ELECTRIC BROODER STOVE

Here is a stove especially adapted to burning western low grade coal, bark, briquettes or coke. The latest improved, large firebox, wide grates, can't clog as the body flares out. Heavy cast iron body and automatic heat regulator. Top coal feed. Canopy spreads heat evenly, preventing crowding. Nothing complicated; any person can operate it. All complete with exception of stovepipe.

Portland Prices.—42 inch canopy (400 chick), $17.25; 52 inch canopy (600 chick), $22.25. Stovepipe, 30c per 2 foot joint.

Please Note.—We rate the brooders correct as to number of chicks brooded for best results. They are usually rated much higher. Order Your Brooders Early—Don't wait for the rush season.
BROODERS — SUCCESSFUL AND UP-TO-DATE

SOL-HOT WICKLESS OIL BURNING BROODERS

If you buy a "Sol-Hot" you will have the satisfaction of knowing you are getting one of the best. A brooder that will raise your chicks with less losses, less danger, less labor, less worry and with a minimum fuel expense. Can be used in most any kind of a light, properly ventilated room, brooder house or the open front poultry house with drop curtain.

Descriptive folders on request.

Note.—Our surplus stock of 1926 models, which many claim are unsurpassed, we are offering at Bargain Prices.

<table>
<thead>
<tr>
<th>Size of Chick</th>
<th>1928</th>
<th>1926</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-inch</td>
<td>75 to 100</td>
<td>.75 to 100</td>
</tr>
<tr>
<td>34-inch</td>
<td>200 to 300</td>
<td>18.50</td>
</tr>
<tr>
<td>44-inch</td>
<td>400 to 500</td>
<td>22.00</td>
</tr>
<tr>
<td>54-inch</td>
<td>600 to 1000</td>
<td>24.50</td>
</tr>
<tr>
<td>54-inch Giant</td>
<td>1000</td>
<td>26.75</td>
</tr>
<tr>
<td>64-inch Giant</td>
<td>1000</td>
<td>29.00</td>
</tr>
</tbody>
</table>

ST. HELENS ELECTRIC BROODER

The best electric brooding device on the market today. Operates at a low cost, easily regulated; automatic in control, gives proper ventilation. Has pilot light, thermometer, extension cord and felt curtains. Folder on request.

PORTLAND PRICES

<table>
<thead>
<tr>
<th>Size of Hover</th>
<th>200 chicks</th>
<th>350 chicks</th>
<th>500 chicks</th>
<th>750 chicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-inch hover</td>
<td>$20.75</td>
<td>$27.85</td>
<td>$34.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>42-inch hover</td>
<td>$27.85</td>
<td>$34.00</td>
<td>$39.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>52-inch hover</td>
<td>$34.00</td>
<td>$40.00</td>
<td>$46.00</td>
<td>$62.00</td>
</tr>
<tr>
<td>60-inch hover</td>
<td>$45.00</td>
<td>$52.00</td>
<td>$59.00</td>
<td>$76.00</td>
</tr>
</tbody>
</table>

ST. HELENS NEW FLAT TOP "UNDER HEAT" ELECTRIC BROODER

Claimed to be far in advance of any electric brooding device. Extra heating system for unusually cold spells. Automatic and perfect in every way; 500-chick capacity; size 3x8 feet. Write for descriptive folder and testimonials. Weight 400 lbs. Portland price, $52.50.

IDEAL ELECTRIC BROODER

This new all-metal brooder will brood up to 100 baby chicks. Ideal for the city poultry raiser who has electric lights. Can be used in any protected room or placed in a box brooder for either inside or outdoor use. The hover is 24 in. in diameter. Price, $3.85. If wanted by parcel post, send postage for 7½ lbs.

ST. HELENS ELECTRIC BROODER

Electric "Flat Top" Brooder

NESCO BROODERS

The burner, which stands in the center of the canopy and 12 inches above the floor, supplies clean, constant heat which is spread evenly all around. Any gas or smell from the burner escapes directly to the ventilator. These heaters are safe, simple, economical and easy to operate. A reliable oil brooder stove at a very low cost at following prices:

- 42-inch canopy. . . . 400 chicks. . . . $14.65
- 52-inch canopy. . . . 600 chicks. . . . 16.00

A COMPLETE CATALOG ON REQUEST.—Limited space in this catalog will not permit us to give a detailed description and full illustrations, but we will gladly mail a copy of our 32-page Poultry Supply Catalog, also special folders, and a careful reading will convince you of the superiority of these practical hatching machines.
MISCELLANEOUS POULTRY SUPPLIES

Note: Space in this catalog will not permit us to describe our complete line of Incubators, Brooders and Poultry Supplies, but we will gladly send our 32-page Poultry and Pet Stock Catalog. If you raise poultry you ought to have a copy. Free on request.

UP-TO-DATE EGG CARRIERS
These are double strength and cushion frame on all sides. Safe and reliable for the mailing or expressing of "fancy eggs" for hatching.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15 egg</td>
<td>12 lbs....</td>
<td>25c</td>
</tr>
<tr>
<td>30 egg</td>
<td>20 lbs....</td>
<td>40c</td>
</tr>
</tbody>
</table>

Add postage if wanted by mail.

PERFECTION BABY CHICK BOXES
These insure the safe arrival of your chicks.

New Model—latest and best. No corners to curl into, even temperature, perfect ventilation without direct draft on chicks. Extra strong, well made, best grade of corrugated cardboard. Shipped in the flat, but quickly set up by anyone.

IDEAL EGG 12-EGG PACKER
All up-to-date poultrymen and marketmen use this box for delivering table eggs.

Price—Per doz., 20c (P. P. 1½ lbs.); 100 for $1.10 (P. P. 11 lbs.); 1,000, write for price.

UP-TO-DATE SHIPPING COOPS
These are light, strong and safe coops for shipping Fancy Poultry. We sell them in the flat but each piece is marked, so it is little trouble to nail them together.

No. 2—10x18x24, 60c each; doz. $5.60; No. 4, 10x24x24, 75c each; doz. $5.70; No. 6, 19x24x24 inches, 95c each; doz. $9.50.

NEW MODEL CLOVER CUTTER
Strong and satisfactory. All iron, 7-inch spiral steel cutting knives. For green or dry material. Length, 28 inches, Wgt., 70 lbs. Price $18.00.

PROGRESSIVE OAT SPROUTERS
Write for descriptive leaflet of these ideal oat or grain sprouters. We have three sizes. No. 0, capacity to supply 100 hens, $9.00; No. 1, for 500 hens, $21.00; No. 2, for 1,500 hens, $47.50.

SANITARY TRAP NESTS
All metal, vermin proof. Correct in design. Five nests (10x12 inches each) in a section. Price per section, $8.50.

AUTOMATIC CHICK GREASER
For young chicks. A feeder and head greaser combined. Automatic, no trouble to use. The grease kills head lice. Price, each, $1.25, or post paid for $1.35.

SEARCHLIGHT EGG TESTER
It’s an electric light globe constructed so as to quickly detect infertile eggs. Fits any electric light socket. Pamphlet on request. Price $5.00, postpaid.

STOVER GRINDING MILL
Has all the good features of a hand mill for grinding dry bone, shells, charcoal, etc.

No. 32—16 in. flywheel, Wgt. 40 lbs. $7.00

We are only illustrating and pricing the main or leading sellers. We give weights packed for parcel post (P. P. Wgt.) so you can add postage if wanted by mail.
Poultry Supplies—Continued

SANITARY DRINKING FOUNTAINS AND FEEDERS

We have many different styles but only list a few. Poultry & Pet Stock catalog gives full illustrations.

Perfect Chick Server No. 6—Improved style, enamel pan with collar to fit any Mason glass jar. Each 15c; doz., $1.35, postpaid.

Moe’s Star Chick Server—Made of bright tin plate, used with Mason jars. Each 15c; doz., $1.35, postpaid.

Moe’s Round Chick Server—Feeding holes in top lid. 8-hole, size, 15c; 12-hole size, 25c. By mail 10c extra.

CHAMPION “TELESCOPE” FOUNTAIN

Made of best grade galvanized iron. Top pulls out, making it easy to clean and fill. Prices—\$1.00; (P. P. Wgt., 2½ lbs.); 1 gal., $1.25, Wgt. 3½ lbs.; 2 gal., $1.60, Wgt. 5 lbs.; 3 gal., with 3 cups, $2.50, Wgt. 10 lbs. (Wgts. include packing for P. P.)

GALVANIZED FEEDERS

Moe’s Wall Style—3 compartments (P. P. Wgt. 4 lbs.), each 90c; 4 compartments (P. P. Wgt. 5 lbs.), each $1.25.

Moe’s No. 125—Adjustable magazine, self feeder for small chicks, capacity 2 qts. For chick feed, mash or liquids. Each 95c, or $1.10 postpaid.

DRY MASH HOPPERS

Heavy galvanized. Birds cannot waste the feed and they are rat-proof.

Capacity Price
No. 35 (P. P. Wgt. 6 lbs.)... 10 qts. $1.65
No. 36 (P. P. Wgt. 7½ lbs.)... 18 qts. $2.40
No. 37 (P. P. Wgt. 12 lbs.)... 36 qts. $3.10

AUTOMATIC WATER VALVES

All poultrymen know the value and convenience of these. We offer 3 styles, all good. Moe’s, Guaranteed, Reliable, or Hawe’s at $1.00 each; $1.15 postpaid.

Poultry Supply Catalog gives illustrations and full description.

Egg Grading Scales

See Poultry Catalog for illustrations and full description.

Acme No. 2—Without any adjusting, grades from 18 to 26 oz. Price $2.00; postpaid $2.25.

Gilt Edge—Grades from 18 to 29 oz. by changing weights. Each $1.25; postpaid $1.35.

ViO RAY-FLEXIBLE SCREEN GLASS


Conkey’s Poultry Remedies

Conkey’s Poultry Book Free.

Roup Remedy (powder)........ 30c, 60c $1.20
Roup Pills, Special........... 30c, 60c $1.20

REMEMBER—OUR COMPLETE POULTRY & PET STOCK CATALOG ON REQUEST.
Pet Stock Fanciers

When you want Dog, Cat, Bird, Poultry or Pet Stock Supplies of any kind, trade at Northwest Headquarters.

Our complete PET STOCK CATALOG gives full descriptions and prices. Free on request.

We sell Q. W., Claytons', Glover's, Sargent's and Spratt's Line of Dog and Cat Remedies and Foods.

We carry in stock at our East Side as well as our West Side Store, the largest and only complete line of Dog Collars, Leads, Blankets, Sweaters, Muzzles, Sleeping Baskets, Suitcase and Basket Carriers, Dog Brushes and Combs, etc. Prepared Dog and Puppy Foods, Biscuits and Cakes. "Calo" canned cooked meat, cereals, vegetables, etc. All the leading and worthwhile brands of Foods Medicines and Remedies.

We are Distributors of the famous ILAK DOG AND CAT SHAMPOO and CALIFORNIA ANIMAL FOOD CO.'s Dog and Puppy Biscuit, Calo Dog Food, Rations, etc.

Cats — Kittens — Foods — Supplies

Catnip.—All cats need catnip in some form. Catnip Leaves, 15c pkg.; Catnip Balls or Catnip Mouse, filled with catnip, playthings for cats, 20c each; all 3 for 50c.

Spratt's Cat Food.—(2-Lb. pkg.). 40c; Malted Kitten Food, 40c; Cat Shampoo, 60c. All prices postpaid. Cat Supplies, Remedies fully described in Pet Stock Catalog—Free.

Goldfish, Globes, Food, Etc.

We are the largest retail and wholesale dealers in Fancy Gold Fish in the Northwest, often having a thousand or more on display in our large aquarium at our stores.

Gold Fish.—Common, Japanese Fan Tail, Comet and Telescope, depending on size, 35c, 50c, 75c and $1.00 up.

Fish Food.—H. Q. Natural 20c; Rice Wafer or Flake, 25c, postpaid.

Aquarium Plants or Fish Moss, 25c each, postpaid.

Fish Globes, Globe Stands, Globe Castles, Sea Shells, Aquarium Ornaments, Figures and Novelties all illustrated and priced in our Complete Pet Stock Catalog—Free.

We sell Rabbits, popular breeds; Rabbit Supplies and Remedies, Books, etc. Cavies or Guinea Pigs and books on care, etc. If interested ask for Pet Stock Catalog—Free.

A post card request will bring our complete Poultry and Pet Stock Catalog—It's free to all Pet Stock Fanciers.
### Field, Farm, Grass and Clover Seeds

<table>
<thead>
<tr>
<th>Quantity of Seeds</th>
<th>Per Acre</th>
<th>Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>12 to 15 lbs.</td>
<td>20 to 30 lbs.</td>
</tr>
<tr>
<td>Artichokes</td>
<td>40 to 60 lbs.</td>
<td>80 to 120 lbs.</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>50 lbs.</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Cheat</td>
<td>75 to 100 lbs.</td>
<td>150 to 200 lbs.</td>
</tr>
<tr>
<td>Clover—Alsike and White</td>
<td>6 to 8 lbs.</td>
<td>10 to 12 lbs.</td>
</tr>
<tr>
<td>Crimson</td>
<td>15 to 20 lbs.</td>
<td>25 to 30 lbs.</td>
</tr>
<tr>
<td>Red</td>
<td>10 to 12 lbs.</td>
<td>15 to 20 lbs.</td>
</tr>
<tr>
<td>Sweet</td>
<td>15 to 20 lbs.</td>
<td>25 to 30 lbs.</td>
</tr>
<tr>
<td>Corn, Field-Hills</td>
<td>10 to 12 lbs.</td>
<td>20 to 30 lbs.</td>
</tr>
<tr>
<td>For Fodder, Hills</td>
<td>50 lbs.</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Flax</td>
<td>35 to 45 lbs.</td>
<td>70 to 100 lbs.</td>
</tr>
<tr>
<td>Grass, Kentucky Blue—Pasture</td>
<td>20 to 30 lbs.</td>
<td>40 to 60 lbs.</td>
</tr>
<tr>
<td>Grass, Kentucky Blue—Lawn</td>
<td>1 lb. to 15 ft. sq.</td>
<td>2 to 3 lbs.</td>
</tr>
<tr>
<td>Mixed Lawn</td>
<td>1 lb. to 15 ft. sq.</td>
<td>2 to 3 lbs.</td>
</tr>
<tr>
<td>Red Top—Rolled Solid Seed</td>
<td>8 to 10 lbs.</td>
<td>15 to 20 lbs.</td>
</tr>
<tr>
<td>Orchard</td>
<td>25 to 30 lbs.</td>
<td>50 to 75 lbs.</td>
</tr>
<tr>
<td>Brome Grass</td>
<td>20 to 30 lbs.</td>
<td>50 to 75 lbs.</td>
</tr>
<tr>
<td>Rye Grass—For pasture</td>
<td>20 to 30 lbs.</td>
<td>40 to 60 lbs.</td>
</tr>
<tr>
<td>Rye Grass—For Lawn</td>
<td>100 lbs.</td>
<td>200 lbs.</td>
</tr>
<tr>
<td>Sudan—Drills</td>
<td>3 to 5 lbs.</td>
<td>6 to 10 lbs.</td>
</tr>
<tr>
<td>Broadcast</td>
<td>16 to 20 lbs.</td>
<td>30 to 40 lbs.</td>
</tr>
<tr>
<td>Kaffir Corn—Drills</td>
<td>6 to 10 lbs.</td>
<td>12 to 20 lbs.</td>
</tr>
<tr>
<td>Millet</td>
<td>75 to 100 lbs.</td>
<td>150 to 200 lbs.</td>
</tr>
<tr>
<td>Oats—For seed</td>
<td>75 to 100 lbs.</td>
<td>150 to 200 lbs.</td>
</tr>
<tr>
<td>For Hay</td>
<td>300 to 500 lbs.</td>
<td>600 to 1000 lbs.</td>
</tr>
<tr>
<td>Potatoes (60 lbs. per bushel)</td>
<td>15 to 18 lbs.</td>
<td>30 to 45 lbs.</td>
</tr>
<tr>
<td>Peas, Field—100 lbs. or 80 lbs. with 25 lbs. Oats</td>
<td>75 to 100 lbs.</td>
<td>150 to 200 lbs.</td>
</tr>
<tr>
<td>Rape (3 lbs.)</td>
<td>broadcast 5 lbs.</td>
<td>10 to 15 lbs.</td>
</tr>
<tr>
<td>Rye—For Grain</td>
<td>60 to 75 lbs.</td>
<td>120 to 150 lbs.</td>
</tr>
<tr>
<td>For turning under</td>
<td>100 lbs.</td>
<td>200 lbs.</td>
</tr>
<tr>
<td>Spice or Newswort</td>
<td>10 to 12 lbs.</td>
<td>20 to 30 lbs.</td>
</tr>
<tr>
<td>Sugar Cane</td>
<td>15 to 20 lbs.</td>
<td>30 to 40 lbs.</td>
</tr>
<tr>
<td>Sunflower</td>
<td>5 to 7 lbs.</td>
<td>10 to 15 lbs.</td>
</tr>
<tr>
<td>Timothy</td>
<td>10 to 12 lbs.</td>
<td>20 to 30 lbs.</td>
</tr>
<tr>
<td>Vetch</td>
<td>60 lbs. or 40 lbs. with 20 lbs. Oats</td>
<td>100 lbs. or 60 lbs. with 30 lbs. Oats</td>
</tr>
<tr>
<td>Vetch, Hairy or Sand</td>
<td>30 lbs.</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>Wheat</td>
<td>90 to 120 lbs.</td>
<td>180 to 240 lbs.</td>
</tr>
</tbody>
</table>

### Reference Tables

**Assessment of Distance for Planting Trees and Plants**

Note—Depend on method of cultivation. In planting in the home garden for hand cultivation you can set plants or trees closer.

**Number of Trees or Plants On An Acre**

<table>
<thead>
<tr>
<th>Plant Type</th>
<th>Number of Trees/Plants</th>
<th>Feet Apart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apples, Standard</td>
<td>25 to 35</td>
<td>2 to 3</td>
</tr>
<tr>
<td>Apples, Dwarf</td>
<td>10 to 12</td>
<td>2 to 3</td>
</tr>
<tr>
<td>Pears, Standard</td>
<td>20 to 25</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Pears, Dwarf</td>
<td>10 to 15</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Peaches and Apricots</td>
<td>18 to 22</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Cherries, Sweet</td>
<td>30 to 35</td>
<td>5 to 7</td>
</tr>
<tr>
<td>Cherries, Sour</td>
<td>20 to 25</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Plums and Prunes</td>
<td>20 to 25</td>
<td>4 to 6</td>
</tr>
<tr>
<td>Quinces</td>
<td>15 to 18</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Walnuts</td>
<td>30 to 50</td>
<td>5 to 7</td>
</tr>
<tr>
<td>Currents</td>
<td>3 by 6</td>
<td>4 to 6</td>
</tr>
<tr>
<td>Gooseberries</td>
<td>4 by 6</td>
<td>4 to 6</td>
</tr>
<tr>
<td>Raspberries</td>
<td>3 by 6</td>
<td>4 to 6</td>
</tr>
<tr>
<td>Strawberries, Matted Rows</td>
<td>3 to 5</td>
<td>6 to 9</td>
</tr>
<tr>
<td>Asparagus, in Field</td>
<td>1 by 4</td>
<td>6 to 9</td>
</tr>
<tr>
<td>Asparagus, in Field</td>
<td>2 by 3</td>
<td>6 to 9</td>
</tr>
<tr>
<td>Locas and Cory Blackberries</td>
<td>6 to 9</td>
<td>6 to 9</td>
</tr>
<tr>
<td>Logans and Cory Blackberries</td>
<td>6 to 9</td>
<td>6 to 9</td>
</tr>
</tbody>
</table>

**Shrub Rule—** Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.
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